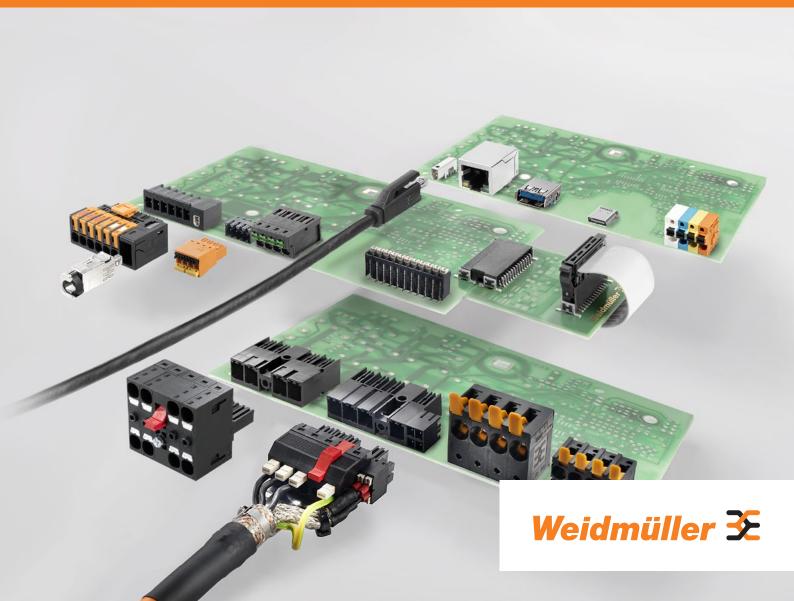
PCB terminals and connectors OMNIMATE®



Version 2024



Weidmüller № 1

B

PCB terminals and connectors **OMNIMATE®**

Catalogue 2

| PCB terminals and connectors OMNIMATE® | Services & products in use | | |
|----------------------------------------|----------------------------|--------------------------------------------------------|--|
| | OMNIMATE® 4.0 | OMNIMATE® 4.0 | |
| | OMINMATE® Data | OMNIMATE® Data - SPE | |
| | | OMNIMATE® Data - RJ45 | |
| | | OMNIMATE® Data - USB | |
| | OMINMATE® Signal | PCB terminals | |
| | | PCB plug-in connectors in 1.27 mm pitch Board-to-Board | |
| | | PCB connectors in 2.50 mm pitch | |
| | | PCB connectors in 3.50 mm pitch | |
| | | PCB connectors in 3.81 mm pitch | |
| | | PCB connectors in 5.00 mm and 5.08 mm pitch | |
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| | | Accessories | |

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PCB terminals and connectors **OMNIMATE®**

Catalogue 2

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X

Rely on the quality and leading edge of the pioneer in connectivity

With each new generation, device designs are becoming smaller, more economical and offer greater performance Accordingly, the connection system for more compact sizes must, for example, transfer high currents to the printed circuit board reliably and with minimum losses and also ensure a mechanically stable connection. At the same time, handling should be made safer and more convenient.

Do not leave the success of your device developments to chance. Trust the original OMNIMATE® PCB connection technology. As the inventor of the PCB terminal block and technological leader in device connectivity, Weidmüller offers high-quality components and unique design-in services that promise real added value for your device design.

1962

Pioneering accomplishment
Weidmüller launches
the world's first PCB
terminal on the market.

1980

Groundbreaking
The first connector for PCB connection defines a mating face standard to this day.

2003

Innovative

Weidmüller launches the BL-I/O, the first smart connector.

Progressive
For the first time, PUSH IN connection technology is used in a PCB terminal.

Efficient
The first pin header for processing in the SMT reflow soldering process is launched.



Are you looking for the right product?

With our innovative approaches, tailor-made solutions offering high performance and efficiency levels, and our comprehensive range of PCB terminals and PCB connectors, we can fulfil all of your requirements. Use our ConnectorGuide for device developers to select products according to pictures or your individual application.

We'll provide you with the specific products you need to increase your efficiency and hold your own against your competitors in the market. Whether you are a device developer, product manager or buyer, at Weidmüller you'll find the PCB connectors and terminals that meet your specific requirements.

2019

Digital

The digital twin of all components as the key to Industry 4.0.



2021

Fast. Flexible.Digital.

OMNIMATE® 4.0 impresses with super-fast SNAP IN technology, modular product design and the fastest possible delivery.



2022

Service

OMNIMATE® is integrated into our new cloud-based service platform easyConnect. This makes product configuration for your use cases even easier without a download.



2013

Unique

ConnectorGuide, 72h sample service and configurators are just some of the many planning and support tools.



2977770000 **Weidmüller № V**

Your ideas need the right connections Ours are simply brilliant



OMNIMATE® 4.0 SNAP IN connection solutions



- Unique SNAP IN connection for particularly fast, safe and tool-free wiring
- Maximum flexibility with digital configuration for transmitting power, signals and data in one connector
- Future-proof platform connector with integrated functions, such as Single Pair Ethernet
- All products are ready for shipment within a few days including individually configured products"



OMNIMATE® Data Single Pair Ethernet Connectors

- Devices can become significantly smaller Most compact design for implementing IIoT devices (saving of > 50 %)
- Vibration-proof and insensitive to electromagnetic influences - Particularly robust, industry-compatible construction
- The colour-coded two-wire connection technology saves installation time and avoids connection errors -Userfriendly structure for safe and quick installation
- Suitable for IIoT, corresponds to the latest IEEE / IEC standards for data rates from 10Mbit/s to 1Gbit/s. - High future security through compliance with international standards
- Safe locking Even in the smallest installation space, a robust locking mechanism up to 50N is ensured (acoustic feedback during the mating process)
- Reliable process Troublefree assembly due to sharpened pin geometry, guide posts and Tape on Reel packaging

Weidmüller ₹ 2977770000



OMNIMATE® Data RJ45 modular and transformer jacks

- Future-proof transmission characteristics up to Cat 6 standard for a data rate of up to 10 Gbit/s
- Electromagnetic compatibility and protection through 360° shielding
- RJ45 transformer jacks with integrated "magnetics" actively counteract faults and save space on the board
- Reinforced gold layer improves corrosion protection, reduces contact problems and guarantees a long service life



OMNIMATE® Data USB PCB jacks

- Robust plug & play operation connect and disconnect without shutting down or restarting the system
- Reinforced gold surface up to 10,000 plugging cycles meet the requirements for high resistance
- USB 3.1 sockets support data rates of 10 Gbits/s for fast data transfer
- Available with an outlet angle 180° (standing) or 90° (lying) for ideal adaptation to various housing formats
- USB-C sockets enable error-free plugging due to a symmetrical design
- Suitable for SMT, THR or THT soldering processes

2977770000 Weidmüller ₹ VII

Your ideas need the right connections Ours are simply brilliant



OMNIMATE® Signal PCB terminals



- Application-oriented connection systems ranging from clamping yoke screw connections to PUSH IN spring connections in all relevant cross-section ranges up to 6 mm²
- Can be used universally in all standard pitches from 3.50 mm to 7.62 mm
- A wide range of reflow-compatible products for automated SMT processes
- Compact, multi-layer designs up to 72-pole



OMNIMATE® Signal PCB plug-in connectors



- Compact at 2.50 mm pitch 36 connections at 3.50 mm pitch, highest level of power reserves at 3.81 mm pitch and largest application area at 5.08 mm pitch
- Application-oriented connection systems ranging from clamping yoke screw connections to PUSH IN spring connections.
- A wide range of reflow-compatible products for automated SMT processes
- Multi-row and multi-layer designs up to 48-pole



OMNIMATE® Signal Board-to-Board connectors

- Industrial suitable density combined with high flexible connection combinations (mezzanine, mother-todaughter, extended-board and Board-to-wire)
- Pitch 1,27mm from 12 80 poles in different outlet-directions and heights
- Developed for automatic assembly with high precise pin coplanarity and SMT-fixation
- Reliable contact surface (PdNi-Au) equipped in high-performance material LCP and packed in Tape on reel for automatic assembly

VIII Weidmüller ₹ 2977770000



OMNIMATE® Power PCB terminals



- High-power to 150 A / 1000 V (IEC) or 127 A / 600 V (UL)
- Application-oriented scalability with connection cross-sections from 16 mm² to 50 mm²
- Simple UL device approval up to 600 V
- PUSH IN wire connection up to 16 mm²
- Maintenance-free steel clamping yoke for vibration-resistant screw connections



OMNIMATE® Power PCB plug-in connectors



c**FN**us

- Application-oriented scalability: from the compact 4 mm² connector for 29 A (IEC) or 20 A (UL) up to the sturdy 16 mm² connector for 76 A (IEC) or 60 A (UL)
- Unlimited usage up to 1000 V (IEC) or 600 V (UL)
- A variety of application-optimised mounting options



OMNIMATE® Power Panel feedthrough terminal blocks



- · Clamping yoke screw connection
- PUSH IN wire connection
- · Wall and housing feedthrough
- Simple, flexible and cost-saving assembly and connection of conductors
- Cable lug
- Solder connection

Your ideas need the right connections Ours are simply brilliant



OMNIMATE® Housings



- Scalability to meet requirements: from extruded profile to compact housing to modular housing
- Customisable
- Installation housing IP20
- · Female plug with mismating protection
- PUSH IN wire connection
- · Clamping yoke screw connection
- Suitable for an automated soldering process with THT & THR Solderable male connectors with high-temperature LCP material and optional tape-on-reel packing

Weidmüller ₹ 2977770000

OMNIMATE® 4.0- SNAP IN Connection solutions

PCB terminals Pitch 5.00 mm



Webcode #11530

MHS 5

Male connector with 90°, 180° and 270° outlet direction for wave and reflow processes.

- · Male header
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 26.8 A
- UL: 300 V / 18.5 A



Webcode #11531

MPS 5

Female plug with 180° outlet direction, SNAP IN connection technology and optional self-locking top flange.

- SNAP IN connection
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 26.8 A / 0.5-4 mm²
- UL: 300 V / 18.5 A / AWG 20-12/7/9

PCB terminals Pitch 7.50 mm



Webcode #11539

MHS 7S

Male connector with 90°, 180° and 270° outlet direction for wave and reflow processes.

- Male connector
- Grid: 7.50 mm
- Number of poles: 2-12
- IEC: 630 V / 34.6 A
- UL: 300 V / 18.5 A"



Webcode #11540

MPS 7S

Female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- SNAP IN connection system
- Grid: 7.50 mm
- Number of poles: 2-12
- IEC: 1000 V / 34.6 A / 0.5-4 mm²
- UL: 600 V / 18.5 A / AWG 20-12/7/9

PCB terminals Pitch 7.50 mm + pitch 5.00 mm (Hybrid)



Webcode #11541

MHS 7S/.. 5

Hybrid male connector consisting of power and signal interfaces for wave and reflow processes.

- · Male connector
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2-12
- IEC: 630 V / 30.4 A
- UL: 300 V / 18.5 A



Webcode #11542

MPS 7S/.. 5

Hybrid female plug with 180° outlet direction, SNAP IN connection system and optional self-locking top flange.

- . SNAP IN connection system
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2-12
- IEC: 1000 V / 34.6 A / 0.5-4 mm²
- UL: 600 V / 18.5 A / AWG 20-12/7/9"

PCB terminals Pitch 5.00 mm + Single Pair Ethernet (Hybrid)

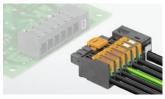


Webcode #11532

MHS 5/.. D11

Hybrid male connector with integrated Single Pair Ethernet (SPE) data connection for wave and reflow processes..

- · Male header
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 26.8 A
- UL: 300 V / 18.5 A



Webcode #11533

MPS 5/.. D11

Hybrid female plug with SNAP IN connection technology and field attachable Single Pair Ethernet data connector.

- · SNAP IN connection
- Pitch: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 26.8 A / 0.5-4 mm²
- UL: 300 V / 18.5 A / AWG 20-12/7/9

PCB terminals Pitch 7.50 mm + pitch 5.00 mm + Singe Pair Ethernet (Hybrid)



Webcode #11543

MHS 7S/.. 5/.. D11

Hybrid male connector consisting of power, signal and data interfaces for wave and reflow processes.

- Male connector
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2-12
- IEC: 630 V / 30.4 A • UL: 300 V / 18.5 A



Webcode #11544

MPS 7S/.. 5/.. D11

Hybrid female plug with SNAP IN connection system and field-terminable Single Pair Ethernet data connector.

- SNAP IN connection system
- Grid: 7.50 mm and 5.00 mm
- Number of poles: 2-12
- IEC: 1000 V / 34.6 A / 0.5-4 mm²
- UL: 600 V / 18.5 A / AWG 20-12/7/9

PCB terminals Pitch 5.00 mm



Webcode #11571

MTS 5/..T4 B T

PCB terminal block with SNAP IN connection system for wave soldering processes.

- SNAP IN connection system
- Grid: 5.00 mm
- Number of poles: 2-12
- IEC: 400 V / 32 A / 0.5 4.0 mm²
- UL: 300 V / 18.5 A

OMNIMATE® Data - Single Pair Ethernet connector

SPE Connector, IP20



Webcode #11523

IE-PCB-SPE-P-90V-THR

Angled (90°) Single-Pair PCB male header for IP20

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reenforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- · Packaging in ToR



Webcode #11550

IE-PCB-SPE-P-90V-THR-YG/YG

Angled (90°) Single-Pair PCB male header for IP20 incl. LED

- · Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reenforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR"



Webcode #11551

IE-PCB-SPE-P-180V-THR

Straight (180°) Single-Pair PCB male header for IP20

- Reflow-soldering (THR)
- Robust housing with metal snap-in mechanism
- Shielded and reenforced contacts (PdNi)
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR



Webcode #11552

IE-S1DS2VE00..TO..

Overmoulded single-pair patch cable for IP20

- · Pre-assembled patch cables
- Industrial design metal snap-in locking hook
- Shielded and reenforced contacts
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- · Packaging in bag

SPE Connector, IP20



Webcode #11545

IE-PS-SP0-S-FH-180

Single-Pair IDC Plug for IP20

- field attachable IDC plug
- Industry standard plug with metal Snap-in hooks locking
- Shielded and reenforced contacts
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- Packaging in ToR

SPE Connector, IP67



Webcode #11546

IE-PCB-SPM..

Straight (180°) and angled (90°) Single-Pair PCB connector for IP67

- M8 Connector
- Reflow-soldering (THR) and SMT
- Front and rear wll mounting possible
- Performance Category: up to 1Gbit/s
- Packaging in ToR



Webcode #11546

IE-S1DS2VE00..TM..

Overmoulded single-pair patch cable for IP67

- M8 Connector
- Inverse M8 System possible (PoDL coding)
- Performance Category: up to 1Gbit/s
- Packaging in bag

Weidmüller ₹ 2977770000

OMNIMATE® Data - PCB jacks and plug-in connectors

PCB modular jack



Webcode #11413

RJ45 solder connection for (THT)

PCB jack for wave soldering process

- \bullet Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 6
- Plugging cycles: 750
- With / without LEDs



Webcode #11414

RJ45 solder connection (THR)

PCB jack for reflow and wave soldering process

- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 6
- Plugging cycles: 750
- With / without LEDs



Webcode #11415

RJ45 solder connection for (SMT)

PCB jack for reflow soldering process

- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to Cat 5
- Plugging cycles: 750
- · With / without LEDs

RJ45 transformer jacks



Webcode #11416

RJ45 solder connection for (THT)

PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750



Webcode #11417

RJ45 solder connection (THR)

PCB jack for reflow and wave soldering process

- Integrated magnetics
- Outlet direction: 90° and 180°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs



Webcode #11418

RJ45 solder connection (THT) multiport PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs



Webcode #11419

RJ45 solder connection (THR) multiport PCB jack for wave soldering process

- Integrated magnetics
- Outlet direction: 90°
- Catch mechanism: up and down
- Performance Category: up to 1Gbit/s
- Plugging cycles: 750
- With / without LEDs

Plug-in connectors

Webcode #11312

RJ45 connector "steadytec"

Tool-free and field-attachable plug for Industrial Ethernet

- IDC connection, 4-8-core
- Outlet direction: 180°
- Category: Cat.5 and Cat.6A
- AWG 26...AWG 22 / 0.48...0.76 mm²

Patch cable



Webcode #11313

RJ45 patch cable

Freely configurable RJ45 cable in a wide range of colours

- · Protected latching hook, 8-core
- Outlet direction: 90°, 180° and 270°
- Category: Cat.6A

OMNIMATE® Data - PCB jacks and plug-in connectors

USB jacks



Webcode #11420

USB 3.0/2.0 solder connection (THT)

PCB jack for wave soldering process

- Outlet direction: 90° and 180°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- · Packed in tray



Webcode #11421

USB 3.0 solder connection (THR)

PCB jack for reflow and wave soldering process

- Outlet direction: 180°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- · Packed in tray or ToR



Webcode #11422

USB 2.0 solder connection for (SMT)

PCB jack for reflow soldering process (SMT)

- Outlet direction: 90°
- Performance Category: up to 5 Gbit/s
- Plugging cycles: ≥1.500
- Packed in ToR



Webcode #11562

USB 3.1 solder connection for (SMT)

PCB jack for reflow process (SMT)

- Outlet direction: 90° and 180°
- Performance Category: up to 10 Gbit/s
- Plugging cycles: ≥10.000
- Packed in ToR

OMNIMATE® Data - M8 and M12 PCB jacks

M8



Webcode #11364

M8 Dome (individual part)

PCB circular connector for automatic assembly and M8 threads.

- Number of poles: 3, 4, 8
- Female and male contact
- SMT, THR
- Shielded and unshielded

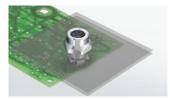


Webcode #11366

M8 Front mounting

PCB circular connector with M8 thread for front mounting.

- Number of poles: 3, 4, 8
- Female and male contact
- Outlet direction: 180°Shielded and unshielded



Webcode #11368

M8 Rear panel mounting

PCB circular connector with M8 thread for rear panel mounting.

- Number of poles: 3, 4, 8
- Female and male contact
- Outlet direction: 90°, 180°Shielded and unshielded

Ethernet terminal



Webcode #11527

LSF-SMT and LMF

PCB terminal for Ethernetcompliant data transmssion e.g. for PROFINET (up to 100Mbps)

- PUSH IN spring connection
- Pitch: 3.50, 3.81 and 5.08 mm
- Number of poles: 4
- For all IIoT devices

M12



Webcode #11352

M12 Dome (individual part)

PCB circular connector for automatic assembly and M12 threads.

- Number of poles: 4, 5, 8
- Female and male contact
- SMT
- Shielded and unshielded
- Coding: A, B, D



Webcode #11354

M12 Front mounting

PCB circular connector with M12 thread for front mounting.

- Number of poles: 4, 5, 8
- Number of poles: 4, 5, 8
 Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshielded
 Coding: A, B, D, X



Webcode #11356

M12 Front mounting

PCB circular connector with M12 thread for front mounting.

- Number of poles: 4, 5, 8
- Female and male contact
- Outlet direction: 90°, 180°
- Shielded and unshieldedCoding: A, B, D, X

SAI plugs and cables



Webcode #11529

SAI round plug-in connectors and cables High IP rated connectivity range of M5, M8, M12, M16 and M23

- Different codings like A, B and D
- Up to protection degree IP 69K
- For mechanically and chemically stressed applications

Weidmüller ₹ 2977770000

OMNIMATE® Signal - PCB terminals

Clamping yoke screw connection



Webcode #01010

LM 3.50 / LM1N / LM2N

Small, compact PCB terminal with conductor outlet direction of 90° or 135°.

- · Clamping yoke screw connection
- Pitch: 3.50 mm
- Number of poles: 2-12
- IEC: 320 V / 16 A / 0.2-1.5 mm²
- UL: 300 V / 10 A / AWG 28-14



Webcode #01012

LM 5.00/5.08

Single-row PCB terminal with conductor outlet direction of 90°, 135° and 180°.

- Clamping yoke screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 630 V / 17.5 A / 0.2-2.5 mm²
- UL: 300 V / 15 A / AWG 24-14



Webcode #01014

LS 5.08

Small, compact PCB terminal with conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 5.08 mm
- Number of poles: 2-12
- IEC: 630 V / 17.5 A / 0.08-1.5 mm²
- UL: 300 V / 15 A / AWG 28-14



Webcode #01016

LL 5.00/5.08

Single-row PCB terminal with conductor outlet direction of 90° and 180°.

- Clamping yoke screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 500 V / 32.5 A / 0.5-6 mm²
- UL: 300 V / 20 A / AWG 28-12

Clamping yoke screw connection



Webcode #01018

LL 9.52

Single-row PCB terminal with conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 9.52 mm
- Number of poles: 2-3
- IEC: 1,000 V / 32 A / 0.18-6 mm²
- UL: 300 V / 30 A / AWG 26-10

Leaf - spring screw connection



Webcode #01020

PS 3.5

Very small and compact PCB terminal with conductor outlet direction of 90°.

- · Leaf-spring screw connection
- Pitch: 3.50 mm
- . Number of poles: 2-12
- IEC: $320 \text{ V} / 17.5 \text{ A} / 0.2 \text{--} 1.5 \text{ mm}^2$
- UL: 300 V / 10 A / AWG 28-16



Webcode #01022

PM 5.00/5.08

PCB terminal with conductor inlet direction of 90°.

- Leaf-spring screw connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-12
- IEC: $600 \text{ V} / 24 \text{ A} / 0.13 2.5 \text{ mm}^2$
- UL: 300 V / 15 A / AWG 26-14

PUSH IN - spring connection



Webcode #01028

LSF-SMT 3.5 / 3.81

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- Pitch: 3.50 mm / 3.81 mm
- Number of poles: 2-24
- IEC: 320 V / 17.5 A / 0.2–1.5 mm²
- UL: 300 V / 12 A / AWG 24-16



Webcode #01030

LSF-SMT 5.00 / 5.08

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection
- $\bullet~$ Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-8
- IEC: $500 \text{ V} / 17.5 \text{ A} / 0.2 \text{--} 1.5 \text{ mm}^2$
- UL: 300 V / 12 A / AWG 24-16



Webcode #01032

LSF-SMT 7.50 / 7.62

PCB terminal for fully automatic assembly for THR reflow soldering (SMT) and wave soldering.

- . PUSH IN spring connection
- Pitch: 7.50 mm / 7.62 mm
- Number of poles: 2-8
- IEC: $800 \text{ V} / 17.5 \text{ A} / 0.2 \text{--} 1.5 \text{ mm}^2$
- UL: 300 V / 12 A / AWG 24-16



Webcode #01034

LSF-SMD 3.5

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 2-12
- IEC: $320 \text{ V} / 17.5 \text{ A} / 0.2 1.5 \text{ mm}^2$
- UL: 300 V / 12 A / AWG 24-16

OMNIMATE® Signal - PCB terminals

PUSH IN - spring connection



Webcode #01036

LSF-SMD 5.00

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 5.00 mm
- Number of poles: 2-8
- IEC: 500 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 12 A / AWG 24-16



Webcode #01038

LSF-SMD 7.50

PCB terminal for fully automatic assembly for reflow soldering (SMT).

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-6
- IEC: 800 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 12 A / AWG 24-16



Webcode #01040

LMF 5.00/5.08

PCB terminal with pusher for opening the contact point and an integrated test point.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm² • UL: 300 V / 10 A / AWG 26-12



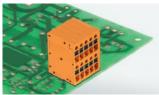
Webcode #01042

LMFS 5.00/5.08

PCB terminal without pusher; contact point can be opened using a screwdriver and integrated test point.

- PUSH IN spring connection
- Pitch: 5.00 mm / 5.08 mm
- . Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 10 A / AWG 26-12

PUSH IN - spring connection



LS2HF 3.50

Double-storey PCB terminal for wave soldering processes, with conductor insertion and slider operation from the same direction (TOP).

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 4-24
- IEC: 400 V / 10 A / 0.14-1.5 mm²
- UL: 150 V / 12.5 A / AWG 26-16



LMF 7.50

PCB terminal with pusher for opening the contact point and an integrated test point.

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-24
- IEC: 1000 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 20 A / AWG 26-12



Webcode #11515

LMFS 7.50

PCB terminal without pusher; contact point can

be opened using a screwdriver and integrated test point.

- PUSH IN spring connection
- Pitch: 7.50 mm
- Number of poles: 2-24
- IEC: 1000 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 20 A / AWG 26-12



LMFV 5.00/90

PCB terminal with pusher, identical to the tried-and-tested LM 5.00 with clamping yoke connection

- PUSH IN spring connection
- Grid 5.00
- Number of poles 2-24
- IEC: 630 V / 17.5 A / 0.2 2.5 mm²
- UL: 300 V / 15 A / AWG 24 AWG 14

PUSH IN - spring connection



Webcode #11548

LMFV 7.50/90

PCB terminal with pusher

- PUSH IN spring connection
- Grid 7.50
- Number of poles 2-24
- IEC: 630 V / 17.5 A / 0.2 2.5 mm²
- UL: 300 V / 15 A / AWG 24 AWG 14

Tension clamp connection



Webcode #11448

LMZF

maintenance-free tension clamp connection and with conductor outlet direction of 135°.

- · Tension clamp connection
- Pitch: 5, 7 & 10 mm
- Number of poles: 2-24
- IEC: 630 V/24 A / 0.13 2.5 mm² • UL: 300 V/15 A / AWG 26-AWG 14
- Single-row PCB terminal with

- IEC: 630 V/24 A / 0.13 2.5 mm²



Webcode #11447

LM2NZF & LM3RZF

Multi-level PCB terminal with conductor outlet direction of 135°.

- · Tension clamp connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- UL: 300 V/15 A / AWG 26-AWG 14

Weidmüller 🏖 2977770000

OMNIMATE® Board-to-Board connectors

Pitch 1.27 mm



Webcode #11516

FMH1

Male header with stack hight 1.75 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear, and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode #11517

FMH3

Male header with stack hight 3.25 mm

- · Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear, and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode #11518

FMH

Male header, angled

- · Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear, and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode #11549

FC.

- · Assembled cable
- Different cable types and lengths
- Pitch: 1,27 mm / 0,635 mm Ribbon Cable
- 12 80 poles
- IEC: 0,5 A
- · Cross section: AWG 30/7
- UL 758 flammability rating: VW1

Pitch 1.27 mm



Webcode #11519

FFH6

Female header with stack hight 6.25 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear, and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode #11520

FFH9

Female header with stack hight 9.05 mm

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode #11521

FFH

Female header, angled

- Reflow-soldering (SMT)
- Pitch: 1.27 mm
- Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.7 A (12 pole)



Webcode #11522

FFP

Female plug

- IDC-Connection
- Pitch: 1.27 mm
- . Number of poles: 12-80
- Clear. and creepage distance: min. 0.4 mm
- IEC: 2.8 A (20°C, 12 pole)
- UL: 150 V / 1.0 A (12 pole) / AWG 30

OMNIMATE® Signal - PCB connectors

Pitch 2.50 mm



Webcode #11323

BLF 2.50

Female plug for conductor connection with PUSH IN spring connection.

- PUSH IN spring connection
- Pitch: 2.50 mm
- Number of poles: 2-12
- IEC: 320 V / 6 A / 0.08 0.5 mm²
- UL: 150 V / 5 A / AWG 28 20



Webcode #11324

SL 2.50

Male header for wave soldering methods for 2.50 mm pitch.

- Male header
- Pitch: 2.50 mm
- Number of poles: 2-12
- IEC: 320 V / 6 A
- UL: 320 V / 6 A



Pitch 3.50 mm double - row design

Webcode #01060

S2C 3.50

High-temperature-resistant, double-row male header for reflow and wave soldering methods.

- Male header
- Pitch: 3 50 mm
- Number of poles: 4-36
- IEC: 200 V / 13.4 A • UL: 150 V / 10 A



Webcode #01058

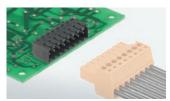
B2CF 3.50

Compact double-row female plug with maximum connection density within an extremely small space.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 4-46
- IEC: 320 V / 13.4 A / 0.14-1.5 mm²
- UL: 300 V / 9.5 A / AWG 26-16

OMNIMATE® Signal - PCB connectors

Pitch 3.50 mm

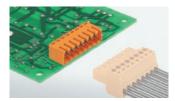


Webcode #01068

SL-SMT 3.50

High-temperature-resistant male header for reflow and wave soldering methods.

- Male header
- Pitch: 3.50 mm
- . Number of poles: 2-24
- IEC: 320 V / 15 A
- UL: 300 V / 10 A



Webcode #01072

SL 3.50

Male header for wave soldering methods.

- Male header
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 17 A
- UL: 300 V / 10 A

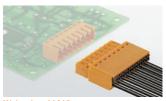


Webcode #01066

BL 3.50

Female plug for conductor connection with clamping yoke screw connection.

- · Clamping yoke screw connection
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 17 A / 0.2-1.5 mm²
- UL: 300 V / 10 A / AWG 28-14



Webcode #11410

BLF 3.5

Female plug with PUSH IN spring connection

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 2-24
- IEC: 320 V / 14.5 A / 0.2 1.5 mm²
- UL: 300 V / 9.5 A / AWG 28-16

Pitch 3.50 mm



Webcode #01064

BL-I/O 3.5

Extremely compact female plug in one or threerow design and with an integrated LED display.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 10 & 30
- IEC: 200 V / 2.2 A / 0.2-1 mm²
- UL: 50 V / 5 A / AWG 24-16



Webcode #11445

BL I/O CJC

Compact female plug with integrated cold junction compensation.

- PUSH IN spring connection
- Pitch: 3.50 mm
- Number of poles: 10
- IEC: 50 -V / 2.2 A / 0.2 1.5 mm²
- UL: 50 V / 5 A / AWG 24 16

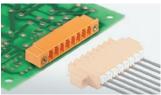


Webcode #01076

SC-SMT 3.81

High-temperature-resistant male header with a very low profile for reflow and wave soldering methods.

- Male header
- Pitch: 3.81 mm
- Number of poles: 2-16
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A



Webcode #01080

SC 3.81

Male header with a very low profile for wave soldering methods.

- Male header
- Pitch: 3.81 mm
- Number of poles: 2-20
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A

Pitch 3.81 mm



Webcode #11316

SCZ 3.81

XVIII

Compact male plug for conductor connection with clamping yoke screw connection.

- · Clamping yoke screw connection
- Pitch: 3.81 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A / 0.14-1.5 mm²
- UL: 300 V / 10 A / AWG 28-16



Webcode #01074

BCZ 3.81

Compact female plug for conductor connection with clamping yoke screw connection.

- Clamping yoke screw connection
- Pitch: 3.81 mm
- Number of poles: 2-20
- IEC: 320 V / 17.5 A / 0.14-1.5 mm²
- UL: 300 V / 10 A / AWG 28-16



Webcode #01078

BCF 3.81

Female plug with very low profile for conductor connection with PUSH IN spring connection.

- PUSH IN spring connection
- Pitch: 3.81 mm
- Number of poles: 2-18
- IEC: 320 V / 17.5 A / 0.2-1.5 mm²
- UL: 300 V / 10 A / AWG 28-16



Webcode #01082

BCL-SMT 3.81

High-temperature-resistant female header with a very low profile for reflow soldering methods.

- Female header
- Pitch: 3.81 mm
- Number of poles: 2-12
- IEC: 320 V / 17.5 A
- UL: 300 V / 10 A

OMNIMATE® Signal - PCB connectors

Pitch 5.00 mm

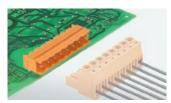


Webcode #11444

SL-SMT 5.00HC

High-temperature-resistant, bent pin header, optimized for automatic assembly and reflow and wave soldering.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 27.5 A
- UL: 300 V / 18.5 A



Webcode #01095

SL 5.00

Pin headers with solder pin length optimized for wave flow soldering.

- Male header
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A
- UL: 300 V / 18.5 A



Webcode #11461

SLD 5.00

2-tier male header with parallel pin arrangement with outlet direction of 90° & 180°, optimized for wave soldering methods.

- Male header
- Pitch:5.00 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A



Webcode #01165

BLZP 5.00HC

High-current-female-plug for outlet direction of 90°, 180° or 270°.

- Clamping yoke screw connection
- Pitch: 5.00 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A / 0.2-4 mm²
- UL: 300 V / 20 A / AWG 30-12

Pitch 5.00 mm



Webcode #11442

BLF 5.00HC

Compact high-current-female-plug for outlet direction of 90°, 180° or 270°.

- PUSH IN spring connection
- Pitch: 5.00 mm
- Number of poles: 2-24
- UL: 300 V / 18.5 A / AWG 26-12



• IEC: 400 V / 24 A / 0.2-2.5 mm²

Pitch 5.08 mm



Webcode #01090

SL-SMT 5.08HC

Highly temperature-resistant angled male header optimised for automatic assembly and for reflow and wave soldering methods.

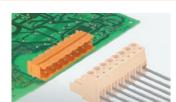
- · Male header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 27.5 A
- UL: 300 V / 18.5 A



SLDV-THR 5.08

High-temperature resistant, double level, laterally offset, male connector with flange or solder flange.

- Male header
- Pitch: 5.08 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A

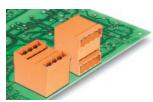


Webcode #01094

SL 5.08HC

Male headers in glass-fibre-reinforced plastic, optimised for wave soldering methods.

- · Male header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A
- UL: 300 V / 18.5 A



Webcode #11440

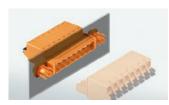
SLD 5.08

2-tier male header with parallel or laterally offset pin arrangement with with outlet direction of 90° & 180°, optimized for wave solvering methods.

- Male header, parallel or laterally offset
- Pitch: 5.08 mm
- Number of poles: 4-48
- IEC: 400 V / 15 A
- UL: 300 V / 10 A

OMNIMATE® Signal - PCB connectors

Pitch 5.08 mm



Webcode #01098

SLF 5.08

Male plugs with straight outlet direction provide space for labelling and can be coded.

- PUSH IN spring connection
- Pitch: 5.08 mm
- Number of poles: 2-12
- IEC: 400 V / 25.9 A / 0.2-2.5 mm²
- UL: 300 V / 14 A / AWG 26-12

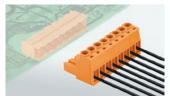


Webcode #01087

SLS 5.08

Male plug with clamping-yoke screw wire-connect system.Clamping yoke screw connection

- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V/21.5 A / 0.2-2.5 mm²
- UL: 300 V/14 A / AWG 26-AWG 12



Webcode #01084

BLZP 5.08HC

High-current female plug for conductor connection with 90° , 180° to 225° and 270° outlet direction.

- Clamping yoke screw connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A / 0.2-4 mm² • UL: 300 V / 20 A / AWG 30-12



Webcode #01092

BLT 5.08HC

High-current female plug for conductor connection with a straight 180° outlet direction and space for labelling.

- TOP screw connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 27 A / 0.2-2.5 mm²
- UL: 300 V / 17 A / AWG 26-14

Pitch 5.08 mm



Webcode #01088

BLF 5.08HC

Compact high-current female plug for conductor outlet directions of 90° to 180° and 270°.

- PUSH IN spring connection
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 24 A / 0.2-2.5 mm²
- UL: 300 V / 18.5 A / AWG 26-12



Webcode #01096

BLC 5.08

Female plug to allow for the pre-assembly of wiring harnesses in large quantities.

- Crimp connection system
- Pitch: 5.08 mm
- Number of poles: 2-16
- IEC: 400 V / 21 A
- UL: 300 V / 10 A / AWG 26-14



Webcode #01100

BLL 5.08

Female header for PCB assembly with 90° and 180° outlet direction and optimised solder pin length for wave soldering methods.

- Female header
- Pitch: 5.08 mm
- Number of poles: 2-24
- IEC: 400 V / 23 A
- UL: 300 V / 15 A

Rectangular connector



Webcode #11360

RSV 1.6 C

Rectangular connector for a high component density, for use as a free coupling or a PCB variant.

- Crimp connection system
- Pitch: 5.00 mm
- Number of poles: 4-36
- IEC: 630 V / 17 A
- UL: 600 V / 10 A / AWG 26-12



Webcode #01106

RSV 1.6 L

Rectangular connector with solder pin and solder jack contacts for PCB applications.

- Solder pin contacts
- Pitch: 5.00 mm
- Number of poles: 4-36
- IEC: 500 V / 14 A • UL: 300 V / 10 A





Webcode #11439

Accessories

For signal PCB terminals



Webcode #11438

Accessories

For signal PCB connectors

OMNIMATE® Power - PCB terminals

Clamping yoke screw connection



Webcode #01044

LL 6.35

High-performance PCB terminal with offset solder pins and conductor outlet direction of 90°

- Clamping yoke screw connection
- Pitch: 6.35 mm
- Number of poles: 2-12
- IEC: 1.000 V / 32 A / 0.18-6 mm²
- UL: 600 V / 30 A / AWG 26-10



Webcode #01048

LU 10.16

High-performance PCB terminal with offset solder pins and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-10
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 300 V / 65 A / AWG 26-6



Webcode #01050

LUP 10.16 V with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 600 V / 51 A / AWG 26-6



Webcode #01052

LUP 12.70 with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 12.70 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 600 V / 58 A / AWG 26-6

Clamping yoke screw connection



Webcode #01054

LX 15.00 with test point

High-performance PCB terminal with integrated test point and conductor outlet direction of 90°.

- Clamping yoke screw connection
- Pitch: 15.00 mm
- Number of poles: 1-9
- IEC: 1.000 V / 101 A / 1.5-25 mm²
- UL: 600 V / 85 A / AWG 16-4



LXXX 15.00 with test point

High-performance PCB terminal with integrated test point and conductor

- Clamping yoke screw connection
- Pitch: 15.00 mm
- Number of poles: 1-9
- IEC: 1.000 V / 150 A / 0.5-50 mm²
- UL: 600 V / 127 A / AWG 20-1

Webcode #01056

outlet direction of 90°.

PUSH IN spring connection



Webcode #11408

LLF / LLFS 7.5

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LLF 7.50)
- Pitch: 7.5 mm
- Number of poles: 1-12
- IEC: 1.000 V / 41 A / 0.5-6 mm²
- UL: 600 V / 35 A /AWG 24-8



Webcode #01046

LUF/LUFS 10

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LUF10)
- Pitch: 10.00 mm
- Number of poles: 1-12
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 600 V / 61 A / AWG 18-6



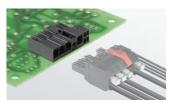
Webcode #11409

LUF/LUFS 15

Highly reliable PCB terminals with integrated test point and conductor outlet direction of 90° and 180°.

- PUSH IN spring connection
- Fast wiring without tool (LUF 15)
- Pitch: 15.00 mm
- Number of poles: 2-8
- IEC: 1.000 V / 76 A / 0.5-16 mm²
- UL: 1.000 V / 57 A / AWG 18-6

OMNIMATE® Power Hybrid



Webcode #11437

SV-SMT 7.62 hybrid

High-temperature-resistant hybrid male header with energy and signal contacts.

- · Male header
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A



Webcode #01112

SV 7.62 hybrid

Hybrid male header with energy and signal contacts.

- Male header
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A



Webcode #11465

BVF 7.62HP hybrid

Hybrid female plug - the perfect 2-in-1 solution for the simultaneous combination of energy and signals. Available with plug-in EMC shield support on request.

- · PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 2/4-5/8
- IEC: 1.000 V / 38 A / 0.5-10 mm²
- UL: 600 V / 35 A / AWG 24-8



Webcode #11466

BVFL 7.62 hybrid

Hybrid female plug with Wire-Ready PUSH IN the perfect 2-in-1 solution for the simultaneous combination of energy and signals.

- Wire-Ready PUSH-IN spring connection
- Pitch: 7.62 mm
- Pole count: 2 / 4-5 / 8
- IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8

OMNIMATE® Power Hybrid



Webcode #11467

BVF 7.62 hybrid with pluggable shield connection

Hybrid female plug with pluggable shield connection to printed circuit board.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-10 mm
- UL: 600 V / 35 A / AWG 24-8



Webcode #11468

BVLF 7.62 hybrid with pluggable shield connection

Hybrid female plug with Wire-Ready PUSH IN and pluggable shield connection to printed circuit board.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- $\bullet~$ IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8



Webcode #11481

BVF 7.62 hybrid with pluggable shield connection

Hybrid female plug with pluggable shield connection to the device metall housing.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-10 mm
- UL: 600 V / 35 A / AWG 24-8



Webcode #11480

BVFL 7.62 hybrid with pluggable shield connection

Hybrid female plug with Wire-Ready PUSH-IN and pluggable shield connection to the device metall housing.

- Wire-Ready PUSH IN spring connection
- Pitch: 7.62 mm
- Pole count: 4-4
- IEC: 1.000 V / 38 A / 0.5-6 mm
- UL: 600 V / 35 A / AWG 24-8

OMNIMATE® Power IT



Webcode #01116

SL 7.62IT

Male header with optional solder flange attachment and with leading contact for IT networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 630 V / 29 A
- UL: 300 V / 20 A

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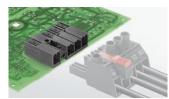


Webcode #01114

BLZ 7.62IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1,000 V / 41 A / 0.2-6 mm²
- UL: 600 V / 40.5 A / AWG 24-8



Webcode #11469

SV-SMT 7.62IT

High temperature-resistant male haeder with leading contact for IT-networks.

- Male header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1.000 V / 41 A
- UL: 300 V / 40.5 A



Webcode #01120

SV 7.62IT

Male header with optional solder flange attachment and with leading contact for IT networks.

- Male header
- Niale neader
 Pitch: 7.62 mm
- Number of poles: 2-4
- IEC: 1.000 V / 41 A • UL: 300 V / 40.5 A

Weidmüller ₹ 2977770000

OMNIMATE® Power IT



Webcode #01118

BVZ 7.62IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- · Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-4
- $\bullet~$ IEC: 1,000 V / 41 A / 0.2–6 mm^2
- UL: 600 V / 40.5 A / AWG 24-8



Webcode #01124

SII 10 16IT

Male header with optional solder flange attachment and with leading contact for computer networks.

- Male header
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1,000 V / 76 A
- UL: 300 V / 60 A



Webcode #01122

BUZ 10.16IT

Female plug with 180° outlet direction and touch safety for IT networks with self-locking centre flange.

- · Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1,000 V / 78 A / 0.2-16 mm²
- UL: 300 V / 60 A / AWG 22-4



Webcode #11479

BUZ 10.16IT SH

Female plug with 180° outlet direction and touch safety for IT networks with selflocking centre flange and pluggable shield connection to the device metall housing.

- · Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 3-4
- IEC: 1,000 V / 76 A / 2.5-16 mm²
- UL: 600 V / 55 A / AWG 22-4

OMNIMATE® Power IT



Webcode #11407

BUF 10.16IT

Female plug with 180° outlet direction for IT networks with self-locking centre flange.

- PUSH IN spring connection
- Pitch: 10.16 mm
- Number of poles: 2-5
- IEC: 1,000 V / 76 A / 2,5 16 mm²
- UL: 600 V / 55 A / AWG 12 AWG 4



Webcode #11471

Female plug with 180° outlet direction and touch safety for IT networks with selflocking centre flange and pluggable shield connection to the device metall housing.

- Number of poles: 3-4
- IEC: 1,000 V / 76 A / 2.5-16 mm²
- UL: 600 V / 55 A / AWG 12-4



BUF 10.16IT SH

- PUSH IN spring connection
- Pitch: 10.16 mm

OMNIMATE® Power HP pitch 4 mm²



Webcode #01130

SL 7.62HP

Male header with single compartment mating profile and touch protection.

- · Male header
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 630 V / 29 A • UL: 300 V / 20 A



Webcode #01134

SLF 7.62HP

Male plug with single compartment mating profile with 180° outlet direction as touch-safe solution for the reverse voltage in HP networks.

- PUSH IN spring connection
 - Pitch: 7.62 mm
 - Number of poles: 2-5
 - IEC: 1,000 V / 24 A / 0.5–2.5 mm^2
 - UL: 600 V / 20 A / AWG 20-12



Webcode #11472

SLF 7.62HP SH

Male plug with single compartment mating profile with 180° outlet direction as touch-safe solution for the reverse voltage in HP networks, with pluggable shield connection to the device metall housing.

- · PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 4
- IEC: 1,000 V / 24 A / 0.5-2,5 mm²
- UL: 600 V / 20 A / AWG 20-12



Webcode #01126

BLZ 7.62HP

Female plug with single compartment mating profile with 180° outlet direction and touch protection for HP networks.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 630 V / 29 A / 0.2-4 mm²
- UL: 600 V / 20 A / AWG 20-12

OMNIMATE® Power HP pitch 4 mm²



Webcode #01128

BLF 7.62HP

Female plug with single compartment mating profile with 180° outlet direction and touch protection for HP networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1.000 V / 24 A / 0.5-2.5 mm²
- UL: 600 V / 20 A / AWG 20-12



Webcode #01136

BLL 7.62HP

Touch-safe female header with single compartment mating profile for the PCB with one-hand safety interlock.

- Female header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 630 V / 24 A
- UL: 300 V / 20 A

OMNIMATE® Power HP pitch 10 mm²



Webcode #11473

SV-SMT 7.62HP

High temperature-resistant single-row male header for pole-loss-safe attachment or for use with patented multifunction flanges for TNC(S) networks.

- · Male header
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1,000 V / 41 A
- UL: 300 V / 40.5 A



Webcode #01142

SV 7.62HP

High-performance single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- · Male header
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1,000 V / 41 A
- UL: 300 V / 40.5 A



Webcode#11474

SVD 7.62HP

Double-row high-current, high-performance pin headers for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- · Male header
- Pitch: 7.62 mm
- Number of poles: 4-12
- IEC: 1,000 V / 47 A
- UL: 300 V / 30 A



Webcode #11475

SVF 7.62HP

High-performance male plug with 180° outlet direction as a three-flange version for the housing feedthrough for TNC(S) networks.

- · PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1,000 V / 41 A / 0.5-10 mm²
- UL: 600 V / 35 A / AWG 24-10

OMNIMATE® Power HP pitch 10 mm²

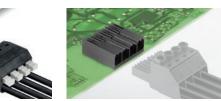


Webcode #11476

SVFL 7.62HP

High-performance male plug with 180° outlet direction as a three-flange version for the housing feedthrough for $\mathsf{TNC}(\mathsf{S})$ networks.

- Pitch: 7.62 mm
- Number of poles: 2-6
- IEC: 1,000 V / 41 A / 0.5-6 mm² • UL: 600 V / 35 A / AWG 24-10
- Wire-Ready PUSH IN spring connection



Webcode #01138

BVZ 7.62HP

High-performance female plug for pole-losssafe attachment or for use with patented multi-function flanges for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 7.62 mm
- Number of poles: 2-12
- IEC: 1,000 V / 41 A / 0.2-6 mm²
- UL: 600 V / 40.5 A / AWG 24-8

OMNIMATE® Power HP pitch 10 mm²



Webcode #11477

BVF 7.62HP

High-performance female plug with 180° outlet direction as a touch-safe solution for the power output for TNC(S) networks.

- PUSH IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-7
- IEC: 1.000 V / 41 A / 0.5-10 mm²
- UL: 600 V / 35 A / AWG 24-8

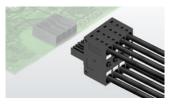


Webcode #11478

BVFL 7.62HP

High-performance female plug with 180° $\,$ outlet direction as a touch-safe solution for the power output for TNC(S) networks.

- Wire-Ready PUSH-IN spring connection
- Pitch: 7.62 mm
- Number of poles: 2-5
- IEC: 1.000 V / 41 A / 0.5-6 mm²
- UL: 600 V / 35 A / AWG 24-8



Webcode #11512

BVDF 7.62HP

Bus connector with two connections per pole with the time-saving 6mm² PUSH IN connection system

- · Female header
- Pitch: 7.62 mm
- Number of Poles: 2-8
- IEC: 600 V / 46 A / 0.5 10 mm²
- UL: 600 V / 35 A / AWG 24 AWG 8



Webcode #01148

BVL 7.62HP

High-performance female header for poleloss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- · Female header
- Pitch: 7.62 mm
- Number of poles: 2-7
- IEC: 1.000 V / 41 A
- UL: 300 V / 35 A

OMNIMATE® Power HP pitch 10.16 mm²

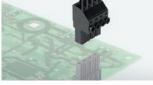


Webcode #01152

SU 10.16HP

High-performance single-row male header for pole-loss-safe attachment or for use with patented multi-function flanges for TNC(S) networks.

- · Male header
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 76 A • UL: 300 V / 60 A



Webcode #01154

SUZ 10.16HP

High-performance male plug with 180° $\,$ outlet direction and high-strength contact system for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 78 A / 0.2-16 mm²
- UL: 600 V / 54 A / AWG 24-6

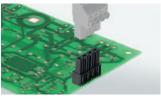


Webcode #01150

BUZ 10.16HP

High-performance female plug with 180° outlet direction for pole-loss-safe attachment or for use with patented multifunction flanges for TNC(S) networks.

- Clamping yoke screw connection
- Pitch: 10.16 mm
- Number of poles: 2-9
- IEC: 1.000 V / 78 A / 0.2-16 mm²
- UL: 600 V / 60 A / AWG 22-4



Webcode #01156

BUL 10.16HP

High-performance female header with 180° outlet direction and high-strength contact system for TNC(S) networks.

- · Female header
- Pitch: 10.16 mm
- Number of poles: 2-4
- IEC: 1.000 V / 76 A
- UL: 300 V / 57 A

PUSH IN spring connection



Webcode #01158

PGK

Device feedthrough terminal blocks with disc design and intuitive locking for a quick and compact solution.

- PUSH IN spring connection
- Connection cross-section: up to 4 mm²
- IEC: 500 V / 32 A / 0.5-4 mm²
- UL: 300 V / 30 A / AWG 24-10

Clamping yoke screw connection



Webcode #01160

WGK

High-current feed-through terminals as a universal solution to guide currents of various scales through the device wall.

- · Clamping yoke screw connection
- Connection cross-section: 6 to 95 mm²
- IEC: 1.000 V / 232 A / 0.5-95 mm² • UL: 600 V / 230 A / AWG 24-4/0

Accessories



Webcode #11463

Accessories

For Power feed-through terminals

Weidmüller 3€ XXV 2977770000

OMNIMATE® Power - PCB- connector cross connection

OMNIMATE® Power bus and T-connector

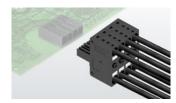


Webcode #11513

PB 160

Modular current bar solution, for multiaxis servo amplifiers intermediate circuit and 24 V control voltage supply.

- Modular SNAP-IN bus system
- Tool less connection
- Number of poles: 2
- IEC: 1000 V / 160 A
- UL: 750 V DC / 160 A



Webcode #11512

BVDF 7.62HP

T-connector with two connections per pole with the time-saving 6 mm² PUSH IN connection system.

- Female header
- Pitch: 7.62 mm
- Number of Poles: 2-8
- IEC: 600 V / 46 A / 0.5 -10 mm²
- UL: 600 V / 35 A / AWG 24 AWG 8

XXVI Weidmüller № 2977770000

OMNIMATE® Housings

CH20M



Wehcode #11334

CH20M6

The tailor-made solution for a wide application spectrum. Fits in any terminal strip.

- Housing width: 6.1 mm
- Connection levels on each side: 4
- Connectable conductors: 8
- · Connection technology reflowcompatible: ves
- Circuit board capacity: 1
- · Variable circuit board positions: no



Webcode #11335

CH20M12

The "small" option amongst the "large" housing solutions for compact electronics applications.

- Housing width: 12.5 mm
- Connection levels on each side: 3
- Connectable conductors: 12
- · Connection technology reflowcompatible: ves
- Circuit board capacity: 1
- · Variable circuit board positions: yes



Webcode #11336

CH20M17

Ideal housing solution for compact standard electronics applications.

- Housing width: 17.5 mm
- Connection levels on each side: 3
- Connectable conductors: 18
- · Connection technology reflowcompatible: ves
- Circuit board capacity: 1
- · Variable circuit board positions: yes



Webcode #11337

CH20M22

Standard format with optimal width for most typical electronics applications.

- . Housing width: 22.5 mm
- Connection levels on each side: 3
- Connectable conductors: 24
- · Connection technology reflowcompatible: yes
- Circuit board capacity: 1
- · Variable circuit board positions: yes

CH20M



Webcode #11338

CH20M45

Extra-large size for electronics applications that require more space, such as compact controllers and power supplies.

- . Housing width: 45 mm
- · Connection levels on each side: 3
- Connectable conductors: 48
- · Connection technology reflowcompatible: yes
- · Circuit board capacity: 2
- · Variable circuit board positions: yes



Webcode #11339

CH20M67

XXL size for those electronics applications that require lots of space, such as compact controllers and power supplies.

- · Housing width: 67.5 mm
- . Connection levels on each side: 3
- Connectable conductors: 72
- · Connection technology reflowcompatible: yes
- Circuit board capacity: 3

TERMINALBOX

· Variable circuit board positions: yes



Webcode #11436

Connection system CH20M

PCB terminal or male header and plug-in connectors for the CH20M housing.

- PUSH IN spring connection
- Clamping yoke screw connection
- · Protection against mismating of connections
- Grid: 5.00 mm
- Number of poles 1-4 • IEC: 400 V / 10 A / 0.25-2.5 mm²
- UL: 300 V / 10 A / AWG 26-12



Webcode #11435

Tragschienenbus-System CH20M Der durchgängige Tragschienenbus für das modulare Elektronikgehäuse-System

- für alle Gehäusebreiten durchgängig verwendbar
- einfache Integration in die TS35 Tragschiene
- Reflow lötfähige BUS-Kontakte

MICROBOX



Webcode #11434

Small enclosure with 6 screw and tension clamp connections

- · Clamping yoke screw connection for conductors up to 2.5 mm²
- . Tension clamp connection for conductors up to 1.5 mm²
- · Vibration-resistant contacts
- · Vibration-free terminal rail mounting · Enclosure wall clipped on securely



Small housing with 4 to 6 connection, in screw-connection and tension-clamp versions

- · Versatile arrangements of circuit boards and transparent top plate for clear, permanent labelling
- · Cover plates for sealing the enclosure • Compatible with terminal rails
- TS32 and TS35



Webcode #11432

Modular housings of profile form

- PCB width 45 mm 122 mm
- · Variable heights
- Different installation variations
- Solid hoods
- · Can be individually cut to length

XXVIII Weidmüller 🖫

Services & products in use

| Services & products in use | Service | A.2 |
|----------------------------|----------------------------------|-----|
| | ConnectorGuide - Products in use | A.8 |

Device developments designed with unique efficiency

OMNIMATE® during a typical device development phase

Efficient planning and design-in processes save you valuable time in product development. In addition to our PCB components, we offer a wide range of support tools and services.



Introductory video

We offer customised services for every step of your device development process, from obtaining initial information to plug-in connector installation in the field.

OMNIMATE® services help you to reduce your project costs and time to market in a targeted way.

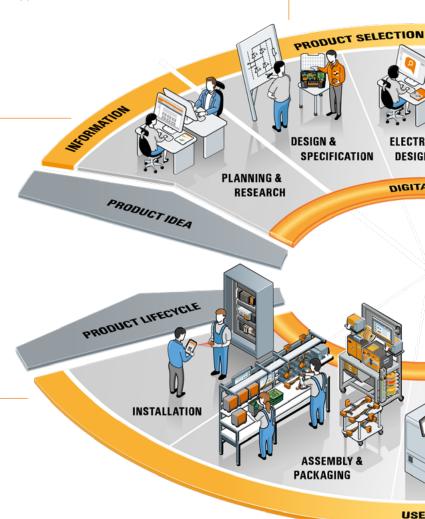
Webcode #11555



Installation videos

A handling video is available for each of our articles – scan a QR code on the product or its packaging to open them. The videos provide you with useful handling information step by step, making installation even easier, safer, and more convenient for you.

Webcode #11556





eShop

Our eShop helps you to quickly find the right products for your projects and easily place orders.

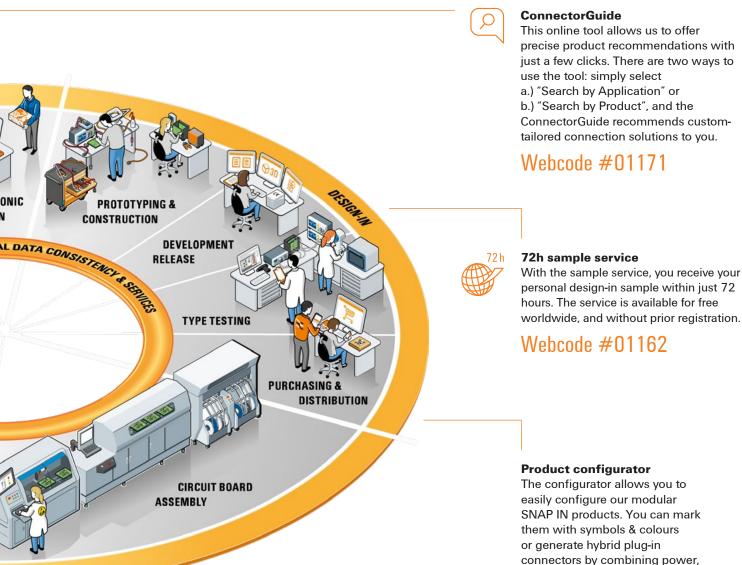
View individual pricing calculations with corresponding agreements, and receive delivery information in real-time.

Webcode #11557

24/7 Online-Services

The right know-how at any time, helpful support and reliable services for your device development. www.weidmueller.com/omnimate-services





precise product recommendations with just a few clicks. There are two ways to

- b.) "Search by Product", and the ConnectorGuide recommends customtailored connection solutions to you.

personal design-in sample within just 72 hours. The service is available for free worldwide, and without prior registration.

easily configure our modular SNAP IN products. You can mark them with symbols & colours connectors by combining power, signal & data connections from individual modules. All necessary engineering and free product samples are also available in just a few clicks.

Webcode #11558

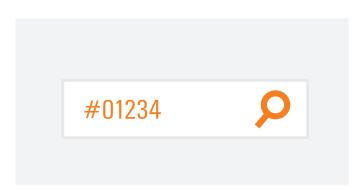
Weidmüller ₹ A.3 2977770000

Many ways lead to the right product

Our online services as process-optimisation tools

There is more than one route to the final layout. Our support concept will assist you in all of your search and selection options.

Weidmüller has fundamentally re-designed the selection and ordering process for device connectivity in a way that better suits your application. In the future, there'll no longer be just the one path to the right product; there'll just be the right path: yours.



Webcode selection

For an application, you need certain specifications for certain products. Our new webcode allows you to go directly to the relevant products: simply choose the required product from the following pages and enter the hashtag with five-digit code on our website, and you'll be directed to the relevant details.

www.weidmueller.com

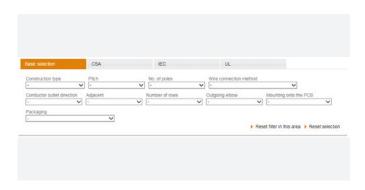


The ConnectorGuide

When working with applications, you'll need to find ways of successfully implementing your ideas.

Simply select your device application in our ConnectorGuide, and we will recommend a range of products for all the different functions of your device.

Webcode #01171



Specification filters

In our online catalog in the area of device connectivity, you filter the right product in seconds using your product and application requirements.

Webcode #11534

A.4 Weidmüller ₹ 2977770000

#11530 #01028

#01052 #01072 #01116

#01160

#11581



Webcode: the hashtag for easy product searching

A hashtag followed by five digits – that's all you need to find out detailed information about the products in our wide-ranging portfolio. Entering the sequence of characters activates certain product groups or an individual product.

Where can I find the webcode?

Next to the product, either in this brochure or online.

Where do I enter the webcode?

Just enter the code into the search screen on our website. *

Where will I be directed to once I've entered the webcode?

You'll be taken to the product specifications and technical details, as well as additional info and downloads.

2977770000 **Weidmüller № A.5**

^{*} Note: Make sure that the pop-up blocker settings are disabled

From concept to prototype in just 72 hours

You prefer to implement your ideas for PCB and device designs directly. We share your passion. Try our unique, on-demand, 72-hour sample service and see how great it is.

When designing PCBs and devices, development engineers eventually reach the point when they have to find the ideal connectivity components for their applications.

With Weidmüller's sample service, you won't lose any time; within 72 hours, Weidmüller delivers samples of your device connection components and electronics housing to you, wherever you are located.

The path from our sample stock to your designers workplace is simple and begins with Weidmüller's online catalogue. Here, searchers will find 2,500 products in the area of device connectivity and can select up to 25 samples.

Just a click of the mouse on the new "Order sample" button initiates the delivery process – from Weidmüller's warehouse to you, anywhere in the world

Available for order online

Select your sample directly from the OMNIMATE® online catalogue. www.sample-service.com



This is how to get your design-in sample: Simply go to the Weidmüller online catalogue or

www.sample-service.com.

Find the ideal OMNIMATE® component there, enter your contact information and send in your order. Done!
We'll deliver your design-in sample to any location.



Best-in-class service

Our service team is ready to respond to any enquiry. You benefit from our best-in-class customer service.



Large selection of products
Choose your samples from more than 2,500 items in the OMNIMATE® product portfolio.



At your workplace in 72 hours

You will receive your samples no later than 72 hours after placing the order. Track your samples using your individual tracking number.





Your device applicationOur ConnectorGuide for device developers

Based on your application, the ConnectorGuide will show you a representative range of products for the different functions of your device.

The overview will show you the application as you know it. Move the cursor over the markings to find out information on the connection technology for sub-assemblies and components. And it's just a few more clicks from here to your desired product.



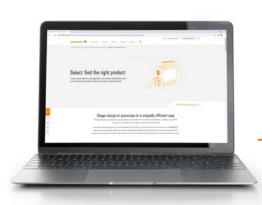


ConnectorGuide

Simply select your device application in our ConnectorGuide, and we will recommend a range of products for all the different functions of your device.

www.weidmueller.com/appguide





1. Open the ConnectorGuide

Go to: www.weidmueller.com/appguide or use the **Webcode #01171**



2. Select the application

Hotspots will show you the way to our recommended products

Go directly to your application with the webcode







Drive controllers and regulators



Devices of machine safety



Analogue signal converter



Photovoltaic inverter



Power supply



Radio base stations



Heating electronics



Building security equipment



LED lighting systems



Elevator electronics devices



Smart Meter



Industrial IoT Network



Charging infrastructure for e-mobility



Energy Storage



3. Select product group

Use the hotspots to find the perfect products for your applications



4. Receive the product

Configure your selection and use the available functions of our online catalogue

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An example of the OMNIMATE® Signal device connection method used in an industrial control application.

The trend in industrial automation technology is towards space-saving, cost-effective design. This results in higher density in the controls and individual components. At the same time, cost pressure and the demands of plant safety also increase. Furthermore, standards across all industries have to be complied with and automation know-how must be kept in tiptop shape.

We have been closely monitoring developments in electrical engineering and processing through all their stages and our range of products meets the trends and in many cases anticipates them. One example is our pin headers, which were optimised for the automated assembly and reflow soldering processes in advance. We are specialists in industrial connectivity. With an eye on practical application, we can support you in all your needs for automation and systems technology (measurement, industrial process and control technology), particularly in the areas of sensor actuator interfaces and power supplies.

We think you will be very pleased with our broad spectrum of products, particularly those in the OMNIMATE® family. You have a choice of device connectivity products which you can trust to be perfectly suited to your application needs. Our customer service staff is on hand to advise you in the selection process. In addition, our online configurator, located on our website, can help you put together your own entire product from the comfort of your computer. You can also find a 3D CAD tool for your product development free of charge under our Downloads section online. To round off our service, we offer our unique, on-demand 72-hour sample service, which ensures that you get the sample you request directly on site within three days.

Power supply & peripherals

PCB terminals and connectors, in 5.08 pitch, with PUSH IN or screw wire connections

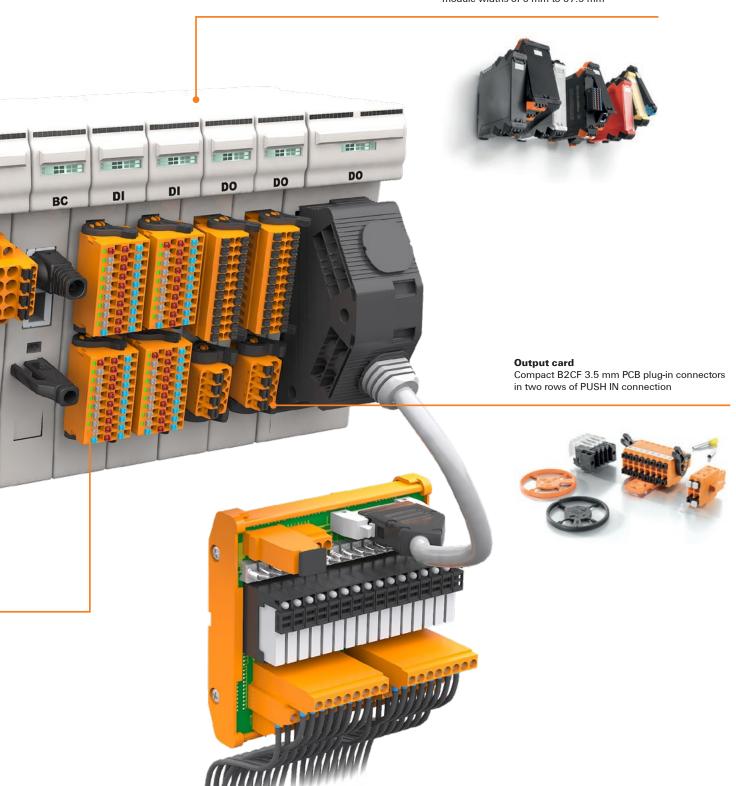




PCB BL-I/O plug-in connectors with PUSH IN connections for the most compact solution



Housings CH20M electronic component housing in module widths of 6 mm to 67.5 mm



An example of the OMNIMATE® Power device connection method in a frequency converter application.

Semiconductor technology for power electronics has progressed at a steady pace in the last few years enabling more complex drive controllers to be manufactured, e.g. for rotational speed controllers or for precise positioning systems. So it's more important than ever to take advantage of connection technology that you can trust now and in the future.

We specialise in industrial connectivity; our connectivity solutions for the power electronics sector are backed by our comprehensive, real-world expertise. We understand the extremely demanding requirements for the servo-controllers and frequency inverters that are common in this business. Voltages of 400 to 690 V (according to IEC) and 600 V (according to UL), and up to 1,000 V in DC circuits, are not uncommon for such equipment. That is why you require high currentcarrying capacity implemented in the most compact space possible. We can provide superior connectivity solutions to meet these challenging requirements.

You will be impressed with the vast range of our OMNIMATE® product line. Our OMNIMATE® Signal, OMNIMATE® Power, OMNIMATE® Housings and FieldPower® series offer you a choice range of products and the ideal connectivity solution for your application. We also support you with free 3D CAD files, which can be downloaded from the Weidmüller Online Configurator. In addition our unique, convenient and quick 72-hour OMNIMATE® sample service guarantees your design project stays on schedule. This service is convenient and quick to use you receive the requested samples within 72 hours.



Network connection

Industry compliant plugs and sockets with the innovative Single Pair Ethernet technology.



Motor connection compact

Modular and hybrid system for the construction of connectors for data, signals and power. Fast, secure and tool-free wiring thanks to the unique SNAP IN connection.



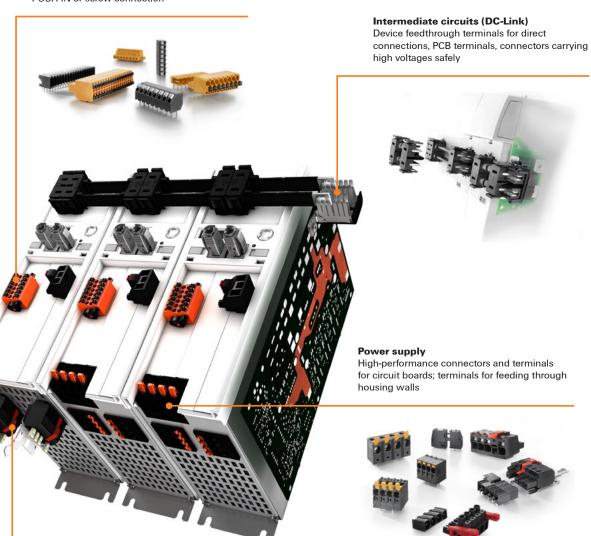




Services & products in use

Safety circuit / External I/Os

PCB terminals and connectors with PUSH IN or screw connection



Motor connections

Convenient and standardised motor connections: hybrid motor plugs, soldered feedthrough terminals and PCB terminals blocks



2977770000 **Weidmü**



Industrial IoT network as a reference for OMNIMATE® Data device connection technology

Ethernet devices such as switches, safety routers or IoT gateways are perfect communication components within an industrial network. For simple to complex real-time networks in plant and machine construction, different categories of devices are used. They form a perfect platform in the industrial environment and its connection to superordinate office networks and cloud services. In order for the communication between Ethernet-capable devices to function smoothly, high-performance connectors are required that can withstand the high requirements in terms of EMC and temperature resistance.

Webcode #01171

Service Interface

Standardised connector such as USB (type A, B or C) for serial interfaces.



Ethernet-Ports

High-performance connectors for data transmission including a wide range of Single Pair Ethernet products for miniaturization and future security.





A.14 Weidmüller 🛣

PCB terminal blocks and connectors with a pitch of 3.50 to 5.08 mm with PUSH IN connection and high packing density

Power Supply

Intuitive connectors with visual connection indicators or supply of neighbouring components by means of cross-connections.





Internal board connection

Industry-compatible board-to-board connectors, which are specially designed for the fully automatic assembly process, ensure flexible and at the same time stable connections between circuit boards in the device.



2977770000 **Weidmüller 3**



Connection and communication solutions for battery energy storage system

Versatile solutions for a secure and reliable connection for energy, data and signals

Our high-quality Weidmüller components play a crucial role in the secure connection of all individual cells to battery packs and modules. As a result, we ensure not only the smooth functioning, but also the high availability of battery energy storage systems (BESS). In addition, our components enable safe monitoring and communication between the cells, the battery management system (BMS) and the energy management system (EMS). With Weidmüller, you are on the safe side.

OMNIMATE® Power printed circuit board terminals

The sturdy, direct connection for extreme current and voltage requirements in all power electronics applications.

- Top performance up to 150 A / 1000 V (IEC) and 127 A / 600 V (UL)
- Application-specific scalability with connection cross-sections from 16 mm² to 50 mm²



OMNIMATE® Data RJ45 sockets

The future-proof transmission solution in the industrial environment.

- Compatible with RJ45 connectors acc. to ANSI / TIA-1096-A and IEC 60603
- Extended temperature range of -40°C to +85°C for maximum performance
- Reinforced gold layer (30 μ") for improved corrosion protection



Weidmüller ₹ 2977770000

OMNIMATE® 4.0 product range

- Compact printed circuit board terminals and plug-in connectors for fast signal connections
- Innovative SNAP IN connection technology for extremely fast wiring
- Ideal for fully automated wiring processes (ready-to-robot)
- Custom configuration in the web configurator for maximum flexibility



Battery connectors

Reliable connections for battery poles. The central connection elements for storage systems. Safe and flexible wire connectors for battery poles.

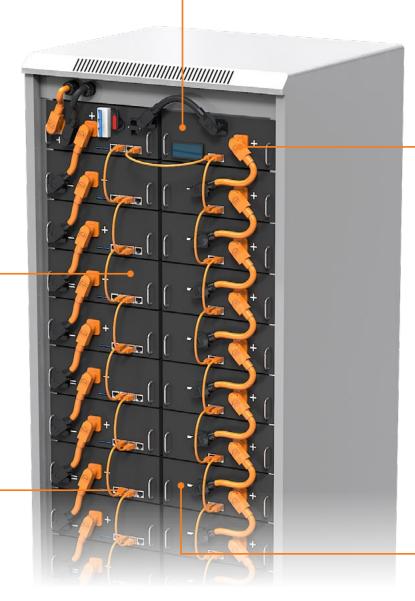




Under the protection of the data protection RS 485 come the following signals:

- Protection for wire-connected serial data transmission – RS 485 or RS 422
- Pluggable arrester, with no-interrupt and impedance-neutral plug-in and pull-out
- Low residual voltage
- Can be used in accordance with IEC 62305 and IEC 61643-22 installation standards
- Can be tested with the V-TEST testing device
- Integrated PE foot, safely discharges up to 20 kA (8/20 μ s) and 2.5 kA (10/350 μ s) to PE





2977770000 **Weidmüller № A.17**

A.18 Weidmüller 🛣 2977770000

OMNIMATE® 4.0

| OMNIMATE® 4.0 | Explanation | B.2 |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------|------|
| | Quick selection | B.8 |
| | Connectors in 5.00 mm pitch Series MHS / MPS 5 - Connection up to 2.50 mm ² | B.10 |
| | Connectors in 7.50 mm pitch Series MHS / MPS 7S - Connection up to 4 mm ² | B.15 |
| | Hybrid connectors with 7.50 mm and 5.00 mm pitch Series MHS / MPS 7S/5/ Connection up to 4 mm ² | B.20 |
| | Hybrid connector with 5.00 mm pitch incl. Single Pair Ethernet Series MHS / MPS 5/ D11 - Connection up to 2.50 mm² | B.22 |
| | Hybrid connectors with 7.50 mm and 5.00 mm pitch incl. Single Pair Ethernet Series MHS/MPS 7S/5/D11 - connection up to 4 mm ² | B.25 |
| | PCB terminals with 5.00 mm pitch Series MTS 5 - connection up to 2.50 mm ² | B.28 |

The business booster for next generation devices OMNIMATE® 4.0 – Fast. Flexible. Digital.

The demands on the development of electrical devices are constantly increasing. This leads to higher complexity and challenges device developers. OMNIMATE® 4.0 is the efficient solution for a continuous, digitalised device development process for the connected world of tomorrow.

The OMNIMATE® 4.0 modular product concept allows for modules to be combined flexibly in the OMNIMATE® 4.0 web configurator on the Weidmüller service platform easyConnect. This enables even highly individual products to be shipped within a few days – from samples to product series. The innovative SNAP IN connection technology allows even flexible conductors without ferrules to be connected easily without tools. An indicator signals the secure connection both acoustically and visually.

Fastest Availability

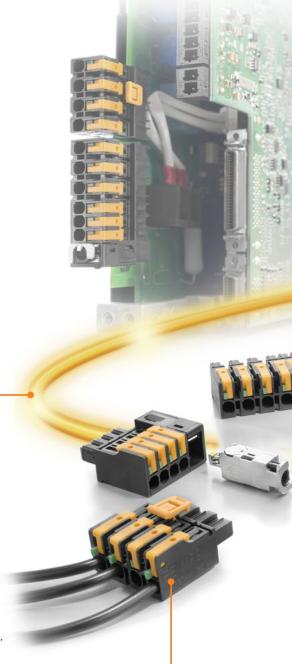
All products are ready for dispatch within a few days – even individually configured products



Maximum wiring speed

Unique SNAP IN connection for particularly fast, safe and tool-free wiring











SNAP IN connection solution for the next generation devices OMNIMATE® 4.0 – Fast. Flexible. Digital.

OMNIMATE® 4.0 provides a flexible, future-proof product portfolio with unlimited variations. The modular design allows fast configuration of interfaces for transmitting data, signals and power, even in a single hybrid connector. For the first time, the innovative SNAP IN connection technology is used in device connectors, revolutionizing the wiring of devices. Even flexible conductors without ferrules can be connected intuitively and without tools - even in fully automated wiring processes.

Hearable and visible feedback

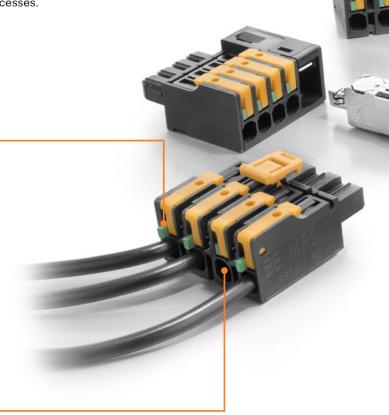
The visual safety indicator increase the security of the proper wiring by a hearable "click" and visible green indication



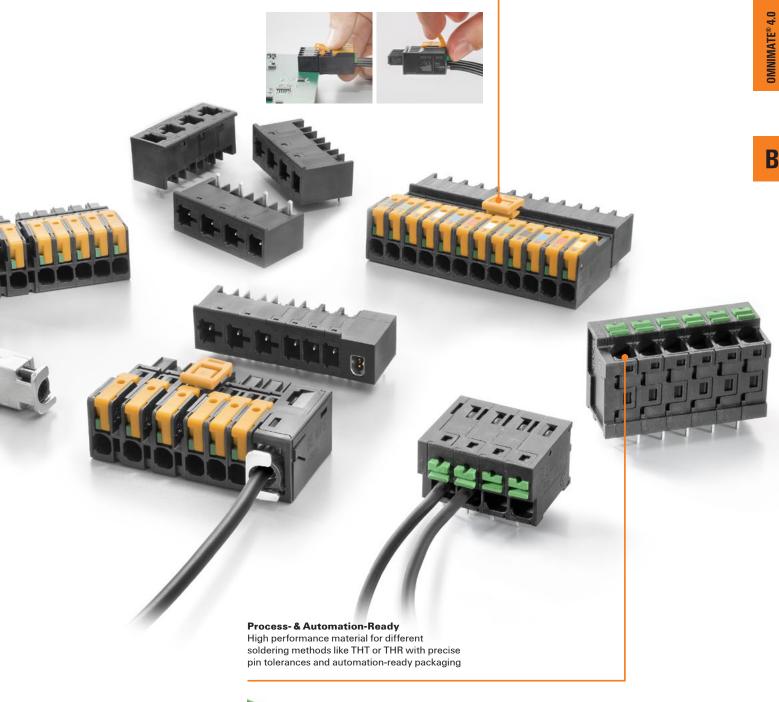
Wire-ready & Ready-to-Robot

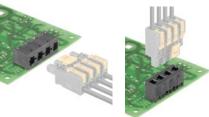
Thanks to the innovative SNAP IN connection technology flexible conductors can be connected directly & tool-free in record time – even in fully automated wiring processes





Easy and intuitive handlingComplete tool-less handling thanks to the lever for re-wiring and the one-hand usable top-fixation for preventing undesired disconnection











The efficient solution for a digitalised device development process $\mathsf{OMNIMATE}^{\$}$ 4.0 – Fast. Flexible. Digital.

Your are looking for a specific solution perfectly fitting to your individual devices and their requirements.



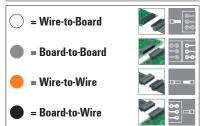
Weidmüller ₹ 2977770000

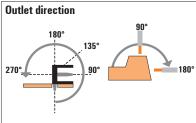
Create your own configurationThe OMNIMATE® 4.0 Configurator reduces your engineering efforts: Combine power, signal and data modules to your individual product and design the marking with a few clicks





http://www.OMNIMATE.net







| MPS/MHS series | | Туре | | | | | |
|----------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------|------------------|------------------------------|----------------------------------------------------------------------------------------|
| | | | | | | | |
| | | | | | Outlet direc | tion | |
| | | | | | Fixation options | | |
| | | | | | | | IEC / UL |
| | Spring SNAP IN | | MPS 5/ S | 5.00 mm | 180° | Optional top fixation (F) | IEC: 400 V / 26.8 A / 0.5 - 4 mm ² UL: 300 V / 18.5 A / AWG 20 - AWG 12 |
| | | | MPS 7S - S | 7.50 mm | 180° | Optional top fixation (F) | IEC: 1000 V / 34.6 A / 0.5 - 4 mm ² UL: 600 V / 18.5 A / AWG 20 - AWG 12 |
| Female plug | | THE PARTY OF THE P | MPS 7S/5/ S | Hybrid 7.50 mm + 5.00 mm | 180° | Optional top fixation (F) | IEC: 1000 V / 34.6 A / 0.5 - 4 mm ² UL: 600 V / 18.5 A / AWG 20 - AWG 12 |
| | | | MPS 5/ D11 S | Hybrid 5.00 mm + SPE | 180° | Optional top fixation (F) | IEC: 400 V / 26.8 A / 0.5 - 4 mm ² UL: 300 V / 18.5 A / AWG 20 - AWG 12 |
| | | (TERNAL) | MPS 7S/5/ D11 S | Hybrid 7.50 mm + 5.00 mm + SPE | 180° | Optional top fixation (F) | IEC: 1000 V / 34.6 A / 0.5 - 4 mm ² UL: 600 V / 18.5 A / AWG 20 - AWG 12 |

B.8 Weidmüller 🏖 2977770000 Plug



Reflow solder connection













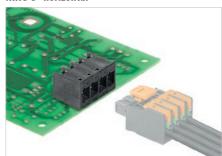






| MHS 5/ H | MHS 5/ V | MHS 5/ W | MHS 7S/ H | MHS 7S/ V | MHS 7S/ W | MHS 7S/5/ H | MHS 5/ D11 H | MHS 7S/5/ D11 H |
|-------------------------------------------|------------------------------|-------------------------------------------|------------------------------|------------------------------|-------------------------------------------|------------------------------|------------------------------|--------------------------------|
| 5.00 mm | 5.00 mm | 5.00 mm | 7.50 mm | 7.50 mm | 7.50 mm | Hybrid 7.50 mm + 5.00 mm | Hybrid 5.00 mm + SPE | Hybrid 7.50 mm + 5.00 mm + SPE |
| 90° | 180° | 270° | 90° | 180° | 270° | 90° | 90° | 90° |
| Compatible with top fixation | Compatible with top fixation | Compatible with top fixation | Compatible with top fixation | Compatible with top fixation | Compatible with top fixation | Compatible with top fixation | Compatible with top fixation | Compatible with top fixation |
| IEC: 400 V / 26.8 A UL: 300 V / 18.5 A | | IEC: 400 V / 26.8 A UL: 300 V / 18.5 A | | | IEC: 630 V / 30.4 A UL: 300 V / 18.5 A | | | |
| 0 | 0 | 0 | | | | | | |
| | | | 0 | 0 | 0 | | | |
| | | | | | | 0 | | |
| | | | | | | | 0 | |
| | | | | | | | | • |

MHS 5 - horizontal



Modular male headers in 5.00 mm pitch with 90° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 90° outgoing elbow for horizontal PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 400 V / 26.8 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

- . Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

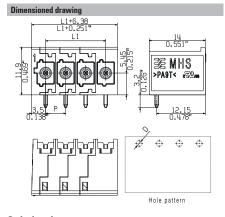
MHS 5/.. H T3 B T

Tube packaging









Technical data

| iecnnicai data | | | | |
|-------------------------------|---------------|------|----------|------|
| In compliance with IEC 60664- | 1 / IEC 61984 | ı | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 26.8 | | 23.1 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

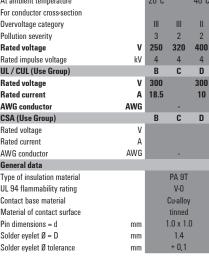
Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

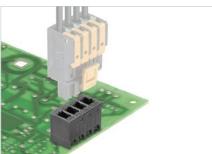
| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 48 | 2741400000 |
| 3 | 10.00 | 0.394 | 33 | 2741420000 |
| 4 | 15.00 | 0.591 | 25 | 2741430000 |
| 5 | 20.00 | 0.787 | 20 | 2741440000 |
| 6 | 25.00 | 0.984 | 17 | 2741450000 |
| 7 | 30.00 | 1.181 | 15 | 2741460000 |
| 8 | 35.00 | 1.378 | 13 | 2741470000 |
| 9 | 40.00 | 1.575 | 11 | 2741480000 |
| 10 | 45.00 | 1.772 | 10 | 2741490000 |
| 11 | 50.00 | 1.969 | 9 | 2741500000 |
| 12 | 55.00 | 2.165 | 8 | 2741510000 |
| | | | | |





Weidmüller 🏖 2977770000

MHS 5 - vertical



Modular male headers in 5.00 mm pitch with 180° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 180° outgoing elbow for vertical PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 400 V / 25.3 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

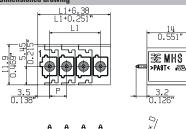
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards. • Diameter of solder eyelet D = 1.4 + 0.1 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

MHS 5/.. V T3 B T

Tube packaging











Hole pattern

Technical data

| iecillicai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 25.3 | | 21.8 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | ll l |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

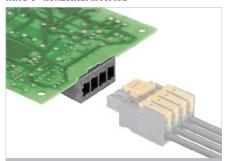
Ordering data

| | - | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 48 | 8000072425 |
| 3 | 10.00 | 0.394 | 33 | 8000072430 |
| 4 | 15.00 | 0.591 | 25 | 8000072431 |
| 5 | 20.00 | 0.787 | 20 | 8000072435 |
| 6 | 25.00 | 0.984 | 17 | 8000072438 |
| 7 | 30.00 | 1.181 | 15 | 8000072450 |
| 8 | 35.00 | 1.378 | 13 | 8000072453 |
| 9 | 40.00 | 1.575 | 11 | 8000072454 |
| 10 | 45.00 | 1.772 | 10 | 8000072456 |
| 11 | 50.00 | 1.969 | 9 | 8000072461 |
| 12 | 55.00 | 2.165 | 8 | 8000072470 |
| | | | | |





MHS 5 - horizontal inverted



Modular male headers in 5.00 mm pitch with 270° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 270° outgoing elbow for horizontal inverted PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 400 V / 26.8 A UL: 300 V / 18.5 A



MHS 5/.. W T3 B T

Tube packaging

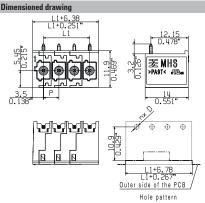
For additional articles and information, refer to eshop.weidmueller.com

Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

-





Technical data

| EC 61984 | ļ | | |
|----------|-------------------------|---------------------------------------------------|------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| mm | | | |
| | | | |
| | | | |
| Α | 26.8 | | 23.1 |
| | 20°C | | 40°C |
| | | | |
| | Ш | III | II |
| | 3 | 2 | 2 |
| V | 250 | 320 | 400 |
| kV | 4 | 4 | 4 |
| | В | C | D |
| V | 300 | | 300 |
| Α | 18.5 | | 10 |
| AWG | | - | |
| | В | C | D |
| V | | | |
| Α | | | |
| AWG | | - | |
| | | | |
| | | PA 9T | |
| | | V-0 | |
| | Cu-alloy | | |
| | tinned | | |
| mm | 1.0 x 1.0 | | 0 |
| mm | | 1.4 | |
| mm | | + 0,1 | |
| | MM V kV V A AWG V A AWG | A 26.8 20°C III 3 V 250 kV 4 B V 300 A 18.5 AWG B | MM |

Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

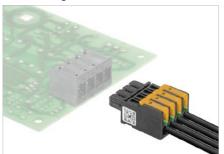
| length | | | 3.2 mm |
|---------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | black |
| 5.00 mm | | | |
| L1 | (inch) | Qty. | Order No. |
| 5.00 | 0.197 | 48 | 8000072497 |
| 10.00 | 0.394 | 33 | 8000072503 |
| 15.00 | 0.591 | 25 | 8000072506 |
| 20.00 | 0.787 | 20 | 8000072508 |
| 25.00 | 0.984 | 17 | 8000072509 |
| 30.00 | 1.181 | 15 | 8000072510 |
| 35.00 | 1.378 | 13 | 8000072511 |
| 40.00 | 1.575 | 11 | 8000072512 |
| 45.00 | 1.772 | 10 | 8000072513 |
| 50.00 | 1.969 | 9 | 8000072514 |
| 55.00 | 2.165 | 8 | 8000072515 |
| | 5.00 mm L1 5.00 10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 | 5.00 mm L1 (inch) 5.00 0.197 10.00 0.394 15.00 0.591 20.00 0.787 25.00 0.984 30.00 1.181 35.00 1.378 40.00 1.575 45.00 1.772 50.00 1.969 | 5.00 mm L1 (inch) Oty. 5.00 0.197 48 10.00 0.394 33 15.00 0.591 25 20.00 0.787 20 25.00 0.984 17 30.00 1.181 15 35.00 1.378 13 40.00 1.575 11 45.00 1.772 10 50.00 1.969 9 |





3.12 **Weidmüller ₹** 2977770000

MPS 5 - straight



OMNIMATE® 4.0 signal connectors combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to **SNAP IN connection**
- Optical and acoustic feedback indicates proper wiring
- Tool-free rewiring via lever operation
- Individual color and font marking in the configurator

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm² UL: 300 V / 18.5 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

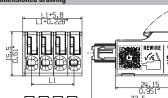
- . Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

MPS 5/.. S TN B

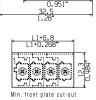
Box packaging











Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|--------|----------|------|
| Clamping range, max. | mm ² | 0.344 | | |
| Solid core H05(07) V-U | mm² | 0.52.5 | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | |
| Flexible with ferrule | mm ² | (| 0.342. | 5 |
| Ferrule with plastic collar | mm ² | (| 0.342. | 5 |
| Stripping length | mm | | 9 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 26.8 | | 23.1 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 18.5 | 18.5 | 18.5 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 168 | 2741560000 |
| 3 | 10.00 | 0.394 | 114 | 2741570000 |
| 4 | 15.00 | 0.591 | 84 | 2741580000 |
| 5 | 20.00 | 0.787 | 72 | 2741590000 |
| 6 | 25.00 | 0.984 | 60 | 2741600000 |
| 7 | 30.00 | 1.181 | 48 | 2741610000 |
| 8 | 35.00 | 1.378 | 42 | 2741620000 |
| 9 | 40.00 | 1.575 | 36 | 2741630000 |
| 10 | 45.00 | 1.772 | 36 | 2741640000 |
| 11 | 50.00 | 1.969 | 30 | 2741650000 |
| 12 | 55.00 | 2.165 | 30 | 2741660000 |
| 12 | 55.00 | 2.165 | 30 | 2/41660000 |

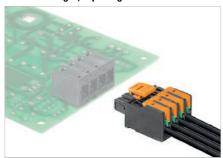
Representative deratings curve MPS 5 - MHS 5 90 100 110 120 130 ambient temperature T [°C]







MPS 5 - straight, top flange



OMNIMATE® 4.0 signal connectors combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free operation thanks to lever and top fixation
- Individual color and font marking in the configurator

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm² UL: 300 V / 18.5 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

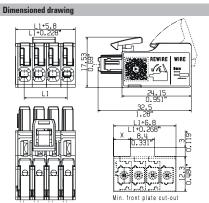
MPS 5/.. S F.. TN B

Box packaging









Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | | |
|--------------------------------|-----------------|--------|----------|------|--|
| Clamping range, max. | mm ² | | 0.344 | | |
| Solid core H05(07) V-U | mm² | 0.52.5 | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | | |
| Flexible with ferrule | mm ² | (| 0.342. | 5 | |
| Ferrule with plastic collar | mm ² | (| 0.342. | 5 | |
| Stripping length | mm | | 9 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 26.8 | | 23.1 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 | 320 | 400 | |
| Rated impulse voltage | kV | 4 | 4 | 4 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | 150 | 300 | |
| Rated current | Α | 18.5 | 18.5 | 18.5 | |
| AWG conductor | AWG | | 20-12 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | | | | |
| Rated current | Α | | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | PBT GF | | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet Ø = D | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |

Accessories

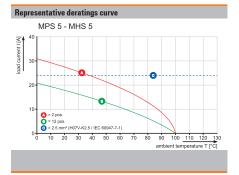
Note: Refer to the Accessories chapter for additional accessories

Ordering data

| black |
|------------|
| |
| |
| Order No. |
| 2741670000 |
| 2741680000 |
| 2741690000 |
| 2741700000 |
| 2741710000 |
| 2741720000 |
| 2741730000 |
| 2741740000 |
| 2741750000 |
| 2741760000 |
| 2741770000 |
| |

°|(¢ **5.00**





B.14 Weidmüller ₹ 2977770000

MHS 7S - horizontal



Modular male headers in 7.50 mm pitch with 90° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 90° outgoing elbow for horizontal PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 1000 V / 30.4 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

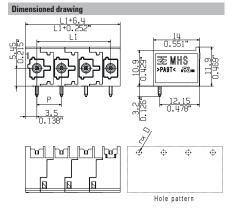
- . Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards. • Diameter of solder eyelet D = 1.4 + 0.1 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

MHS 7S/.. H T3 B T

Tube packaging







Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 39 | 8000078306 |
| 3 | 15.00 | 0.591 | 25 | 8000078308 |
| 4 | 22.50 | 0.886 | 19 | 8000078309 |
| 5 | 30.00 | 1.181 | 15 | 8000078310 |
| 6 | 37.50 | 1.476 | 12 | 8000078311 |
| 7 | 45.00 | 1.772 | 10 | 8000078312 |
| 8 | 52.50 | 2.067 | 9 | 8000078313 |

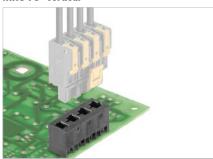
Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 30.4 | | 27 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 18.5 | 18.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |





MHS 7S - vertical



Modular male headers in 7.50 mm pitch with 180° outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 180° outgoing elbow for vertical PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 1000 V / 34.6 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

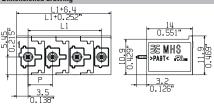
MHS 7S/.. V T3 B T

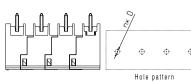
Tube packaging











Technical data

| iecillicai uata | | | | |
|------------------------------------------------------|-----------|------|--------------------|------|
| In compliance with IEC 60664-1 / | IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 34.6 | | 30.7 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 18.5 | 18.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| | | | Cu-alloy | 1 |
| Contact base material | | | , | |
| Contact base material Material of contact surface | | | tinned | |
| Material of contact surface Pin dimensions = d | mm | | tinned 1.0 x 1. | |
| Material of contact surface | mm mm | | tinned | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

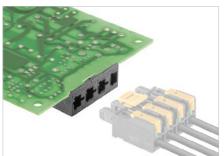
Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 39 | 8000078314 |
| 3 | 15.00 | 0.591 | 25 | 8000078315 |
| 4 | 22.50 | 0.886 | 19 | 8000078316 |
| 5 | 30.00 | 1.181 | 15 | 8000078317 |
| 6 | 37.50 | 1.476 | 12 | 8000078318 |
| 7 | 45.00 | 1.772 | 10 | 8000078319 |
| 8 | 52.50 | 2.067 | 9 | 8000078320 |



3.16 Weidmüller ₹ 2977770000

MHS 7S - horizontal inverted



Modular male headers in 7.50 mm pitch with 270 $^{\circ}$ outgoing elbow made of high performance material PA9T, which can be used for both reflow and wave soldering process.

- 270° outgoing elbow for horizontal inverted PCB connection
- Suitable for reflow and wave soldering processes
- Compliance with Moisture Level 1
- Available preprared engineering data (EDA)

Product data

IEC: 1000 V / 30.4 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

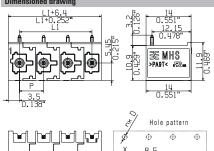
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards. • Diameter of solder eyelet D = 1.4 + 0.1 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

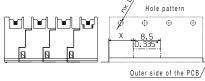
MHS 7S/.. W T3 B T

Tube packaging









Technical data

| i cullilicai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ŀ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 30.4 | | 27 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 18.5 | 18.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

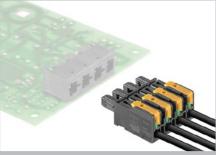
Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 39 | 8000078321 |
| 3 4 | 15.00 | 0.591 | 25 | 8000078322 |
| 4 | 22.50 | 0.886 | 19 | 8000078323 |
| 5 | 30.00 | 1.181 | 15 | 8000078324 |
| 6 | 37.50 | 1.476 | 12 | 8000078325 |
| 7 | 45.00 | 1.772 | 10 | 8000078326 |
| 8 | 52.50 | 2.067 | 9 | 8000078327 |





MPS 7S - straight



The compact power connectors of OMNIMATE® 4.0 combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free rewiring via lever operation
- Individual color and font marking in the configurator

Product data

IEC: 1000 V / 34.6 A / 0.5 - 4 mm² UL: 600 V / 18.5 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

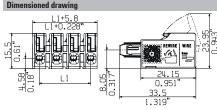
- · Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 7S/.. S TN B B

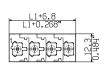
Box packaging











Min. front plate cut-out

Technical data

| In compliance with IEC 60664-1 | I / IEC 61984 | ŀ | | |
|--------------------------------|-----------------|-------|----------|------|
| Clamping range, max. | mm ² | 0.344 | | |
| Solid core H05(07) V-U | mm² | | 0.52.9 | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | |
| Flexible with ferrule | mm ² | (| 0.342. | 5 |
| Ferrule with plastic collar | mm ² | (| 0.342. | 5 |
| Stripping length | mm | | 9 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 34.6 | | 30.7 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 1000 | 1000 |
| Rated impulse voltage | kV | | 8 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 18.5 | 18.5 | 10 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | | | |
| Rated current | A | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

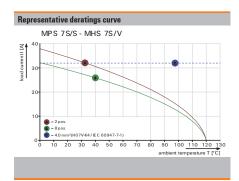
Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder pir | n length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 138 | 8000078328 |
| 3 | 15.00 | 0.591 | 84 | 8000078329 |
| 4 | 22.50 | 0.886 | 66 | 8000078330 |
| 5 | 30.00 | 1.181 | 48 | 8000078331 |
| 6 | 37.50 | 1.476 | 42 | 8000078332 |
| 7 | 45.00 | 1.772 | 36 | 8000078333 |
| 8 | 52.50 | 2.067 | 30 | 8000078334 |
| | | | | |







18 Weidmüller ₹ 2977770000

MPS 7S - straight, top flange



The compact power connectors of OMNIMATE® 4.0 combine three innovations in one product: the fastest connection technology SNAP IN, a modular product design with flexible configuration options, and the fastest possible delivery.

- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Tool-free operation thanks to lever and top fixation
- Individual color and font marking in the configurator

Product data

IEC: 1000 V / 34.6 A / 0.5 - 4 mm² UL: 600 V / 18.5 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

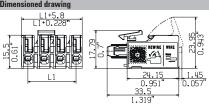
- · Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 7S/.. S F.. TN B B

Box packaging











Min. front plate cut-out

Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | ļ. | | |
|------------------------------------------------------------------------------------------------|-----------------|-------|----------|------|
| Clamping range, max. | mm ² | 0.344 | | |
| Solid core H05(07) V-U | mm² | - 1 | 0.52.9 | j |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | |
| Flexible with ferrule | mm ² | (|).342. | 5 |
| Ferrule with plastic collar | mm ² | (|).342. | 5 |
| Stripping length | mm | | 9 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 34.6 | | 30.7 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 1000 | 1000 |
| Rated impulse voltage | kV | | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 18.5 | 18.5 | 10 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| " | | | | |
| UL 94 flammability rating | | | V-0 | |
| UL 94 flammability rating Contact base material | | | Cu-alloy | |
| UL 94 flammability rating Contact base material Material of contact surface | | | | |
| UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | mm | | Cu-alloy | |
| UL 94 flammability rating Contact base material Material of contact surface | mm | | Cu-alloy | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

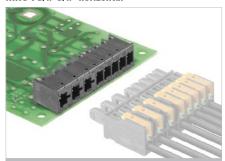
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 138 | 8000078353 |
| 3 | 15.00 | 0.591 | 84 | 8000078354 |
| 4 | 22.50 | 0.886 | 66 | 8000078355 |
| 5 | 30.00 | 1.181 | 48 | 8000078356 |
| 6 | 37.50 | 1.476 | 42 | 8000078357 |
| 7 | 45.00 | 1.772 | 36 | 8000078358 |
| 8 | 52.50 | 2.067 | 30 | 8000078359 |







MHS 7S/.. -5/.. - horizontal



The modular product design of OMNIMATE® 4.0 enables the simple combination of different modules for the transmission of power and signals in a single connector.

- Combination of modules for power and signal transmission
- 90° outgoing elbow for horizontal PCB outgoing
- Suitable for reflow and wave soldering processes
- Individual configurations with further outgoing directions in the configurator

Product data

IEC: 630 V / 30.4 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

- . Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

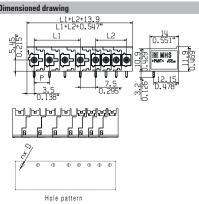
MHS 7S/.. -5/.. H T3 B T

Tube packaging









Technical data

| lechnical data | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 30.4 | | 27 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 18.5 | 18.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | , |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

| Solde | r pin len | gth | | | | 3.2 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitc | h | 7.50 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4 | 7.50 | 0.295 | 5.00 | 0.197 | 20 | 8000078335 |
| 5 | 7.50 | 0.295 | 10.00 | 0.394 | 17 | 8000078338 |
| 5 | 15.00 | 0.591 | 5.00 | 0.197 | 16 | 8000078336 |
| 6 | 7.50 | 0.295 | 15.00 | 0.591 | 15 | 8000078341 |
| 6 | 15.00 | 0.591 | 10.00 | 0.394 | 14 | 8000078339 |
| 6 | 22.50 | 0.886 | 5.00 | 0.197 | 13 | 8000078337 |
| 7 | 15.00 | 0.591 | 15.00 | 0.591 | 12 | 8000078342 |
| 7 | 22.50 | 0.886 | 10.00 | 0.394 | 11 | 8000078340 |
| 8 | 22.50 | 0.886 | 15.00 | 0.591 | 10 | 8000078343 |

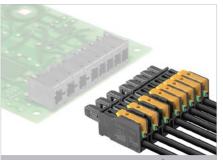




Weidmüller 🏖 B.20 2977770000

В

MPS 7S/.. -5/.. - straight



The modular product design of OMNIMATE® 4.0 enables the simple combination of different modules for the transmission of power and signals in a single connector.

- Combination of modules for power and signal transmission
- Articularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Optical and acoustic feedback indicates proper wiring
- Individual configurations with optional top locking incl. markings in the configurator

Product data

IEC: 1000 V / 34.6 A / 0.5 - 4 mm² UL: / 18.5 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note

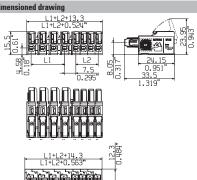
- · Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 7S/.. -5/.. S TN B

Box packaging







Min. front plate cut-out

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|-----------------------------------------------|-----------------|---------|----------|------|
| Clamping range, max. | mm ² | | 0.344 | |
| Solid core H05(07) V-U | mm² | - 1 | 0.52.9 | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.54 | | |
| Flexible with ferrule | mm ² | 0.342.5 | | |
| Ferrule with plastic collar | mm ² | (| 0.342. | 5 |
| Stripping length | mm | | 9 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 34.6 | | 30.7 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | | 1000 | 1000 |
| Rated impulse voltage | kV | | 8 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | | | | |
| Rated current | Α | 18.5 | 18.5 | 10 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | PO PO | | | |
| Till dillionolono d | mm | | | |
| Solder eyelet Ø = D Solder eyelet Ø tolerance | 111111 | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

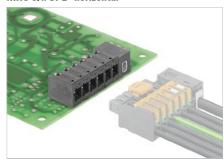
Ordering data

| Solde | Solder pin length | | | | | | | |
|-------|-------------------|--------|-------|--------|------|------------|--|--|
| Colou | r | | | | | black | | |
| Pitc | h | 7.50 m | m | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | |
| 4 | 7.50 | 0.295 | 5.00 | 0.197 | 72 | 8000078344 | | |
| 5 | 7.50 | 0.295 | 10.00 | 0.394 | 60 | 8000078347 | | |
| 5 | 15.00 | 0.591 | 5.00 | 0.197 | 54 | 8000078345 | | |
| 6 | 7.50 | 0.295 | 15.00 | 0.591 | 48 | 8000078350 | | |
| 6 | 15.00 | 0.591 | 10.00 | 0.394 | 48 | 8000078348 | | |
| 6 | 22.50 | 0.886 | 5.00 | 0.197 | 42 | 8000078346 | | |
| 7 | 15.00 | 0.591 | 15.00 | 0.591 | 42 | 8000078351 | | |
| 7 | 22.50 | 0.886 | 10.00 | 0.394 | 36 | 8000078349 | | |
| 8 | 22.50 | 0.886 | 15.00 | 0.591 | 36 | 8000078352 | | |
| | | | | | | | | |





MHS 5/.. SPE - horizontal



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the Single Pair Ethernet technology, the cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 5.00 mm pitch and Single Pair Ethernet (SPE)
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Suitable for reflow and wave soldering processes
- Individual configurations with additional pole variants in the configurator

Product data

IEC: 400 V / 26.8 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

- . Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder evelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

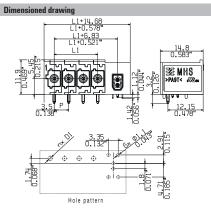
MHS 5/.. D11 H T3 B T

Tube packaging









Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder pin | 3.2 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 10.00 | 0.394 | 22 | 2741520000 |
| 4 | 15.00 | 0.591 | 18 | 2741530000 |
| 5 | 20.00 | 0.787 | 15 | 2741540000 |
| 6 | 25.00 | 0.984 | 13 | 2741550000 |

Technical data

| iechnicai data | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 26.8 | | 23.1 |
| At ambient temperature | | 20°C | | 40° |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |



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MPS 5/.. SPE - straight



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the integration of SNAP IN connection technology and Single Pair Ethernet technology, cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 5.00 mm pitch and Single Pair Ethernet (SPE)
- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Individual configurations with additional pole variants and printing in the configurator

Product data

IEC: 400 V / 26.8 A / 0.5 - 2.5 mm² UL: 300 V / 18.5 A / AWG 18 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

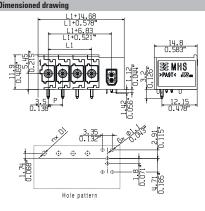
- · Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 5/.. D11 S TN B

Box packaging







Technical data

| For conductor cross-section | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------|----|--------|------|
| Solid core H05(07) V-U mm² D.52.5 | e with IEC 60664-1 / IEC 619 | 84 | | | |
| Stranded H07 V-R Flexible H05(07) V-K mm² 0.52.5 Flexible with ferrule mm² 0.342.5 Flexible with ferrule mm² 0.342.5 Flexible with ferrule mm² 0.342.5 Stripping length mm Stripping length Stripp | je, max. mm | 2 | | 0.344 | |
| Flexible H05(07) V-K |)5(07) V-U mm | 2 | (|).52.5 | |
| Flexible with ferrule | V-R | | | | |
| Ferrule with plastic collar | 07) V-K mm | 2 | (| 0.52.5 | |
| Stripping length | errule mm | 2 | 0 | .342. | 5 |
| Screwdriver blade | lastic collar mm | 2 | 0 | .342. | 5 |
| According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Polution severity Polu | th mr | n | | 9 | |
| Tightening torque range Rated current, max. A 26.8 23.1 At ambient temperature 20°C 40°C For conductor cross-section 3 2 2 Rated voltage V 250 320 400 Rated voltage V 250 320 400 Rated impulse voltage kV 4 4 4 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG 18-14 CSA (Use Group) B C D Rated voltage V Rated voltage V Rated voltage V Rated current A AWG conductor AWG conductor AWG F Rated voltage V Rated current A AWG conductor AWG P Rated voltage V Rated current A AWG conductor AWG P Rated voltage V Rated current A AWG conductor AWG P Rated voltage V Rated current A AWG conductor AWG P Rated voltage V Rated current A AWG conductor AWG P Rated voltage V Rated current A AWG conductor AWG P Rated voltage V Rated volta | lade mr | n | | | |
| Rated current, max. A page of the page | ng to norm | | | | |
| At ambient temperature | que range | | | | |
| For conductor cross-section | t, max. | A 26 | .8 | | 23.1 |
| New York Section Contact base material Contact contact Contact contact contact Contact contact contact Contact contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Con | mperature | 20 | °C | | 40°C |
| Pollution severity | cross-section | | | | |
| Rated voltage V 250 320 400 Rated impulse voltage kV 4 4 4 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current A 18-14 10 AWG conductor AWG B C D Rated voltage V Rated current A AWG conductor AWG - - AWG conductor AWG - - - - - General data Type of insulation material V-U - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - </td <td>ategory</td> <td>II</td> <td>ı</td> <td>Ш</td> <td>Ш</td> | ategory | II | ı | Ш | Ш |
| Rated impulse voltage | rity | 3 | 3 | 2 | 2 |
| UL / CUL (Use Group) | e | V 25 | 0 | 320 | 400 |
| Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG 18-14 Image: Conductor of the conductor of the current of the curre | voltage k | V 4 | | 4 | 4 |
| Rated current A 18.5 10 AWG conductor AWG 18-14 CSA (Use Group) B C D Rated voltage V Rated current A A AWG conductor AWG - General data PBT GF Type of insulation material UL 94 flammability rating V-O Contact base material Cu-alloy | e Group) | E | 3 | C | D |
| AWG conductor AWG 18-14 CSA (Use Group) B C D Rated voltage V Rated current A A AWG conductor AWG - F General data Type of insulation material PBT GF UL 94 flammability rating V-0 Contact base material Cu-alloy Cu-alloy | e | 30 | 00 | | 300 |
| CSA (Use Group) B C D Rated voltage V Rated current A AWG conductor AWG - General data Type of insulation material PBT GF UL 94 flammability rating V-0 Contact base material Cu-alloy | t | A 18 | .5 | | 10 |
| Rated voltage V Rated current A AWG conductor AWG - General data Type of insulation material V-0 Contact base material Cu-alloy Cu-alloy | tor AW | G | | 18-14 | |
| Rated current A AWG conductor AWG - General data Type of insulation material UL 94 flammability rating V-0 Contact base material Cu-alloy | oup) | E | 3 | C | D |
| AWG conductor AWG - General data Type of insulation material UL 94 flammability rating UL 94 flammability rating Contact base material Cu-alloy | | V | | | |
| General data Type of insulation material UL 94 flammability rating Contact base material UL 94 flammability rating Cu-alloy | | | | | |
| Type of insulation material PBT GF UL 94 flammability rating V-0 Contact base material Cu-alloy | 01 7101 | G | | - | |
| UL 94 flammability rating V-0 Contact base material Cu-alloy | | | | | |
| Contact base material Cu-alloy | | | | PBT GF | |
| Sometimes and the second | , , | | | V-0 | |
| | matorial | | | , | |
| Material of contact surface tinned | ntact surface | | | tinned | |
| Pin dimensions = d mm | | n 📗 | | | |
| Solder eyelet Ø = D | $\emptyset = D$ | | | | |
| | Ø tolerance mr | n 📉 | | | |
| Solder eyelet Ø = D | | ľ | 1 | n | 1 |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 10.00 | 0.394 | 72 | 2741780000 |
| 4 | 15.00 | 0.591 | 60 | 2741790000 |
| 5 | 20.00 | 0.787 | 48 | 2741800000 |
| 6 | 25.00 | 0.984 | 42 | 2741810000 |
| | | | | |

Representative deratings curve MPS 5 - MHS 5 VI 100 - 2 pos. 20 - 10 20 30 40 50 60 70 80 90 100 110 120 130 ambient temperature T [*C]

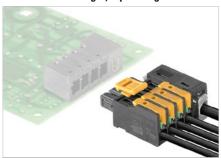






2977770000 **Weidmüller** ₹

MPS 5/.. SPE - straight, top locking



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the integration of SNAP IN connection technology and Single Pair Ethernet technology, cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 5.00 mm pitch and Single Pair Ethernet (SPE) incl. top locking
- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Individual configurations with additional pole variants and printing in the configurator

Product data

IEC: 400 V / 26.8 A / 0.5 - 4 mm² UL: 300 V / 18.5 A / AWG 18 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

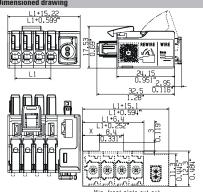
- · Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MPS 5/.. D11 S F.. TN B B

Box packaging







win. front plate cut

Technical data

| In compliance with IEC 60664-1 | | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.344 | |
| Solid core H05(07) V-U | mm ² | | 0.52.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | |
| Flexible with ferrule | mm ² | | 0.342. | - |
| Ferrule with plastic collar | mm ² | (| 0.342. | 5 |
| Stripping length | mm | | 9 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 26.8 | | 23.1 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | - II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | 18-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

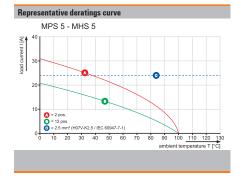
Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | | | | black | | | |
| Pitch | 5.00 mm | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 3 | 10.00 | 0.394 | 72 | 2741890000 | | | |
| 4 | 15.00 | 0.591 | 60 | 2741900000 | | | |
| 5 | 20.00 | 0.787 | 48 | 2741910000 | | | |
| 6 | 25.00 | 0.984 | 42 | 2741920000 | | | |

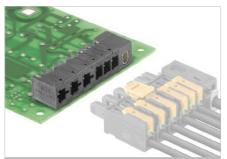






B.24 *Weidmüller ₹* 2977770000

MHS 7S/..5/.. SPE - horizontal



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the single-pair Ethernet technology, the cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 7.50 mm and 5.00 mm pitch and Single Pair Ethernet (SPE)
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Suitable for reflow and wave soldering processes
- Individual configurations with additional pole variants in the configurator

Product data

IEC: 630 V / 30.4 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

- . Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder evelet D = 1.4+0.1mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

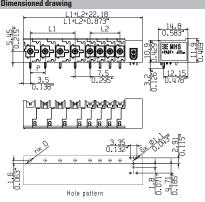
MHS 7S/..-5/.. D11 H T3 B T

Tube packaging









Ordering data

| Solde | r pin ler | igth | | | | 3.2 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitc | h | 7.50 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 5 | 15.00 | 0.591 | 5.00 | 0.197 | 13 | 8000085192 |
| 6 | 22.50 | 0.886 | 5.00 | 0.197 | 11 | 8000085260 |
| 7 | 15.00 | 0.591 | 15.00 | 0.591 | 10 | 8000085261 |
| 8 | 22.50 | 0.886 | 15.00 | 0.591 | 9 | 8000085263 |

Technical data

| lechnical data | | | | | |
|--------------------------------------|---------|------|----------|------|--|
| In compliance with IEC 60664-1 / IEC | C 61984 | | | | |
| Clamping range, max. | | | | | |
| Solid core H05(07) V-U | | | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | | | | | |
| Flexible with ferrule | | | | | |
| Ferrule with plastic collar | | | | | |
| Stripping length | | | | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 30.4 | | 27 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 400 | 500 | 630 | |
| Rated impulse voltage | kV | 6 | 6 | 4 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | 300 | 600 | |
| Rated current | Α | 18.5 | 18.5 | 5 | |
| AWG conductor | AWG | | - | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | | | | |
| Rated current | Α | | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | PA 9T | | |
| UL 94 flammability rating V-0 | | | | | |
| Contact base material | , | | | | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 | |
| 0.11 1.0 0 | mm | | 1.4 | | |
| Solder eyelet $\emptyset = D$ | 1111111 | | 1.7 | | |

Accessories

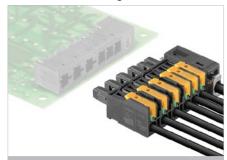
Note: Refer to the Accessories chapter for additional accessories



Weidmüller ₹ B.25 2977770000



MPS 7S/..5/.. SPE - straight



The modular product design of OMNIMATE® 4.0 enables the simple combination of power, signal and data transmissions in a single connector. Together with the integration of SNAP IN connection technology and single-pair Ethernet technology, cabling effort can be reduced and automation processes accelerated in a wide range of applications.

- Combination of modules with 7.50 mm and 5 mm pitch and Single Pair Ethernet (SPE)
- Particularly fast, safe and tool-free wiring thanks to SNAP IN connection
- Integrated data transmission thanks to future-proof Single Pair Ethernet (SPE) technology
- Individual configurations with additional pole variants, optional top locking and printing in the configurator

Product data

IEC: 1000 V / 34.6 A / 0.5 - 4 mm² UL: / 18.5 A / AWG 20 - 12



efer to

For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Wire end ferrule without plastic collar to DIN 46228/1
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

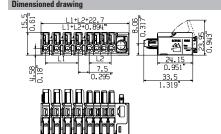
MPS 7S/..-5/.. D11 S TN B

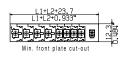
Box packaging











Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

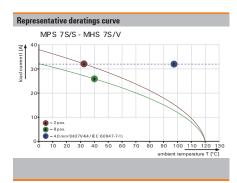
| Solde | Solder pin length | | | | | | |
|-------|-------------------|--------|-------|--------|------|------------|--|
| Colou | r | | | | | black | |
| Pitc | h | 7.50 m | m | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | |
| 5 | 15.00 | 0.591 | 5.00 | 0.197 | 42 | 8000085268 | |
| 6 | 22.50 | 0.886 | 5.00 | 0.197 | 36 | 8000085269 | |
| 7 | 15.00 | 0.591 | 15.00 | 0.591 | 30 | 8000085270 | |
| 8 | 22 50 | 0.886 | 15.00 | 0.591 | 30 | 8000085271 | |

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|----------|--------|------|
| Clamping range, max. | mm ² | | 0.344 | |
| Solid core H05(07) V-U | mm ² | | 0.52.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.54 | | |
| Flexible with ferrule | mm ² | (| 0.342. | 5 |
| Ferrule with plastic collar | mm ² | 0.342.5 | | |
| Stripping length | mm | | 9 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 34.6 | | 30.7 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | | 1000 | 1000 |
| Rated impulse voltage | kV | | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | | | | |
| Rated current | Α | 18.5 | 18.5 | 10 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |



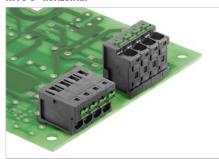




8.26 Weidmüller ₹ 2977770000

2977770000 **Weidmüller** ₹ **B.27**

MTS 5 - horizontal



Compact PCB terminals from OMNIMATE 4.0 combine many innovations in one product and offer fast despatch within a few days thanks to the modular production concept.

- Particularly fast, safe and tool-free wiring wiring thanks to SNAP IN connection
- Ideal for fully automated wiring processes (ready-to-robot)
- Visual and acoustic feedback when wiring is complete
- Individual colour and font marking in the configurator

Product data

IEC: 400 V / 32 A / 0.5 - 4 mm² UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

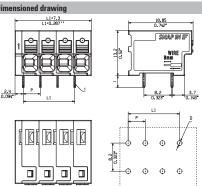
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

MTS 5/.. H T4 B T







Hole pattern

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 44 | 2913600000 |
| 3 | 10.00 | 0.394 | 31 | 2913610000 |
| 4 | 15.00 | 0.591 | 24 | 2913620000 |
| 5 | 20.00 | 0.787 | 19 | 2913630000 |
| 6 | 25.00 | 0.984 | 16 | 2913640000 |
| 7 | 30.00 | 1.181 | 14 | 2913650000 |
| 8 | 35.00 | 1.378 | 12 | 2913660000 |
| 9 | 40.00 | 1.575 | 11 | 2913670000 |
| 10 | 45.00 | 1.772 | 10 | 2913680000 |
| 11 | 50.00 | 1.969 | 9 | 2913690000 |
| 12 | 55.00 | 2.165 | 8 | 2913700000 |
| | | | | |

Technical data

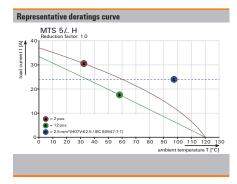
| In compliance with IEC 60664-1 | / IEC 61984 | | | | |
|--------------------------------|-----------------|----------|----------|------|--|
| Clamping range, max. | mm ² | | 0.344 | | |
| Solid core H05(07) V-U | mm ² | - 1 | 0.52. | 5 | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | 0.54 | | | |
| Flexible with ferrule | mm ² | 0.52.5 | | | |
| Ferrule with plastic collar | mm ² | 0.342.5 | | | |
| Stripping length | mm | | 9 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 32 | | 32 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | Ш | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 | 320 | 400 | |
| Rated impulse voltage | kV | 4 | 4 | 4 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 18.5 | | 10 | |
| AWG conductor | AWG | | - | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | | | | |
| Rated current | Α | | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | PA 9T | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | tinned | | | |
| Pin dimensions = d | mm | l l | 0.6 x 0. | 8 | |
| Solder eyelet Ø = D | mm | | 1.3 | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | | |
| | | | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

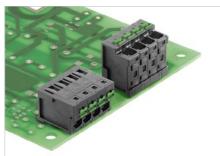






Weidmüller ₹ 2977770000

MTS 5 - vertical



Compact PCB terminals from OMNIMATE 4.0 combine many innovations in one product and offer fast despatch within a few days thanks to the modular production

- · Particularly fast, safe and tool-free wiring wiring thanks to SNAP IN connection
- · Ideal for fully automated wiring processes (ready-to-
- Visual and acoustic feedback when wiring is complete
- · Individual colour and font marking in the configurator

Product data

IEC: 400 V / 32 A / 0.5 - 4 mm² UL: 300 V / 18.5 A



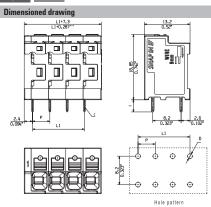
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

MTS 5/.. V T4 B T







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | | |
|-----------------------------------|-----------------|----------|-----------|------|--|
| Clamping range, max. | mm ² | | 0.344 | | |
| Solid core H05(07) V-U | mm ² | 0.52.5 | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | 0.54 | | | |
| Flexible with ferrule | mm ² | - 1 | 0.52.5 | 5 | |
| Ferrule with plastic collar | mm ² | 0.342.5 | | | |
| Stripping length | mm | | 9 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 32 | | 32 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | Ш | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 | 320 | 400 | |
| Rated impulse voltage | kV | 4 | 4 | 4 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 18.5 | | 10 | |
| AWG conductor | AWG | | - | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | | | | |
| Rated current | Α | | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material PA 9T | | | | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | tinned | | | |
| Pin dimensions = d | mm | (| 0.6 x 0.8 | 8 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | | |
| Solder eyelet Ø tolerance | mm | + 0,1 | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

| black |
|------------------------------------------|
| |
| |
| Order No. |
| 2913710000 |
| 2913720000 |
| 2913730000 |
| 2913740000 |
| 2913750000 |
| 2913760000 |
| 2913770000 |
| 2913780000 |
| 2913790000 |
| 2913800000 |
| 2913810000 |
| 29 29 29 29 29 29 29 29 29 29 29 29 29 2 |

Representative deratings curve MTS 5/.. V







Weidmüller ₹ B.29 2977770000

B.30 Weidmüller ₹ 2977770000

OMNIMATE® Data – **SPE**

| DMNIMATE® Data – SPE | Overview | C.2 |
|----------------------|-----------------------|------|
| | Assembled cables IP20 | C.8 |
| | Assembled cables IP67 | C.9 |
| | Raw cable | C.11 |
| | Connection components | C.13 |

2977770000 **Weidmüller 3€ c.1**

Single Pair Ethernet

The network infrastructure for Industrial IIoT

In the factory of the future, machines and systems will be connected to each other consistently via a data infrastructure. These cyber-physical systems can act independently in the Industrial Internet of Things (IIoT), communicate in real time, and control production processes. In order to enable this, a continuous network with high-performance data connections from the sensor to the cloud is required. This pushes conventional Ethernet systems to their limits.

Single Pair Ethernet (SPE) facilitates the extension of the Ethernet to the sensor. It is compact, flexible, and enables high ranges. This means that data connections are achievable in situations where conventional Ethernet systems have reached their limits. SPE provides for the extension of existing installations and supports consistent communication based on the Ethernet protocol. Indeed, SPE is considered by Weidmuller as the missing component needed to close the current gap in the supply of standard Ethernet at field level.

SPE runs at the same transmission speeds as conventional Ethernet but with simplified 2-wire cabling technology and data lines up to 1,000 m in length. Together with other new technologies such as TSN, OPC-UA, or 5G, SPE enables both continuous IP communication between the server and the cloud, as well as supplying up to 60 Watts of power in complex IIoT solutions through PoDL (Power over Data Line).





The Single Pair Ethernet System Alliance (SPESA) represents the futureoriented Single Pair Ethernet technology. Weidmüller is a founding member of this alliance and, together with its partners, is implementing its goals in the market in a common and holistic manner.

A new connector family has been developed for this new technology. This complies with the international IEC63171-2/-5 standard and bears the name **SPE**link® at Weidmüller.



The new standard for high demands

Single Pair Ethernet connectors for the industry

Single Pair Ethernet (SPE) connections can transfer data and power using only one twin wire. This enables both end-to-end IP communication between server and cloud, as well as power supply in complex IIoT solutions. SPE connectors therefore are particularly efficient and future-oriented.

The market requirements for data connectors in the field level are:

- Smallest, most compact design possible for implementing IIoT devices
- High robustness for use in industrial environments
- Easy to connect for safe, fast installation
- Future-proof design through international standards

Advantages of SPE connectors at a glance:

Miniaturisation Industrial suitability



Simplicity Future-proof

2977770000 **Weidmüller 5 C.3**

Particularly compact

Miniaturisation of Single Pair Ethernet connectors according to IEC 63171-2



Weidmuller has been developing user-friendly connectors for industrial use, according to IEC63171-2. With a pitch of 7.62mm the compact connector system saves up to 50% space in comparison to RJ45 interfaces. The vertical arrangement of the two contacts allows a very high packing density. This enables device manufacturers to save valuable space on the PCB and to build smaller devices. This reduces port costs in device construction and effectively saves space in the control cabinet.

Small mating face

• Currently the smallest mating face according to IEC 63171 on the market

High packing density

- Double the packing density compared to RJ45 connectors
- Doubling of the interfaces with the same housing contour
- Only 20% of the volume of an RJ45 jack
- Minimum space requirement in the device

Easy IP67-integration

- Can be integrated into standard M8 housings and connectors as with I/O-Link or PROFINET
- M8 connectors with male and female contacts available
- Front and rear panel mounting with male and female contacts supported
- Simple integration in M8 sensors
- Inverse M8 system possible





Made for highest demands

The industrial suitability of Single Pair Ethernet connectors



Originally developed for automotive applications, the aim of single pair ethernet technology was to realise the most efficient infrastructure capable of delivering high performance with as little cabling as possible. There are similar expectations within industry applications and building automation where the number of intelligent end devices in the plant is increasing but the amount of available space is not. Weidmuller Single Pair Ethernet (SPE) connector solutions deliver long cable lengths, a compact design that is simple, robust and vibration-proof, as well as being insensitive to electromagnetic influences.

Mechanical robustness

- Robust metal housing with metal snap-in hooks
- · Safe industrial double contacting compared to single-sided contacting RJ45
- · Shock resistant and vibration resistant according to IEC 60068
- · Stable latching with lateral forces

EMC Compatibility

- Coupling attenuation at 600 MHz according to IEEE 802.3
- Additional burst test according to IEC 61000-6-2
- Optimum shield connection on the PCB due to four symmetrical legs

Industrial suitability

- PCB connectors for environments up to pollution degree 2
- Impulse voltage strength of 2.25 kV according to IEEE 802.3
- · Optimum contact distance for 100 Ohm systems





Easy to use

The simplicity of Single Pair Ethernet connectors



Ethernet technology is too complex for many industrial applications. Single Pair Ethernet (SPE) components are clearly superior due to their simplicity. Compared to four-pair Ethernet, installation is less difficult and allows a significant reduction in space and weight. SPE connectors also enable robust cabling in a short time. At the same time, they offer extended cable lengths in an extremely compact design.

Proven locking mechanism

- Industry standard plugs and sockets with metal Snap-in hooks locking
- Known locking and unlocking mechanism as for RJ45 connectors
- High holding force (> 50 N)

Tool-free installation

- Well proven IDC connection technology
- Simple assembly due to a two-part connector
- Clear colour coding to prevent miswiring
- Suitable for all commercially available SPE cables

Easy integration

- Trouble-fee integration into M8 housings and connectors
- Compatibility of IP20 and IP67 variants
- Optional use of the IP20 connector as service connector for devices with M8IP67 interfaces







Ready for the challenges of tomorrow

Future-proof Single Pair Ethernet connectors



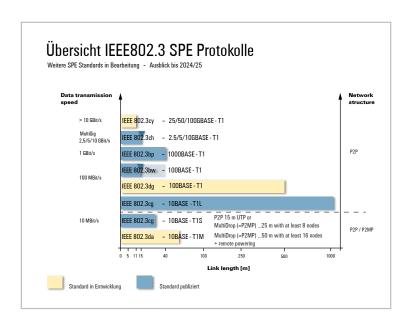
Single Pair Ethernet (SPE) is the next milestone in network technology, as it enables continuous intelligent networking across all levels. SPE is scalable, deterministic, and fully compatible, allowing all components to communicate with each other. As a comprehensive key technology for applications in the field of Industry 4.0 and IIoT, it will form the core of a wide range of industrial applications in the future.

Extensive support

The SPE product family is already supported by several well-known connector manufacturers, which have joined together to form the Single Pair Ethernet System Alliance. This collaboration, with leading technology companies from a wide range of markets and application areas, means that the level of combined technological competence will result in unprecedented and lasting benefits for all users.

Suitable for low to high transmission rates

The compact SPE interface is suitable for various Ethernet applications with transfer rates from 10 MBit/s to 1 GBit/s. Simulations confirm a bandwidth of up to 2.5 GHz – this corresponds to the new Ethernet transmission standard IEEE 802.3ch. which is currently under development for up to 10 GBit/s.





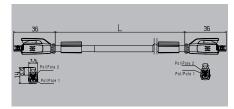
2977770000 **Weidmüller** ₹

Plug - Plug

Socket contact / Socket contact







Technical data

Product type Category

Shielding

Ambient temperature (operational)

Rated voltage (DC) Rated current PoE / PoE+

Transmission rate

Dielectric strength, contact / contact

Dielectric strength, contact / shield

Characteristic impedance

Capacity at 800 Hz

Coupling attenuation 1 to 600 MHz

Coupling attenuation up to 1000 MHz

Test voltage: wire-wire-shield Resistance differential Transmission rate Version connector left Version connector right

Number of wires

Colour coding

Complete shielding / Overlap of shielding braid Insulation

Insulation diameter Sheath diameter, min. / max. Cross-section / Strands

Shielding

Material sheath Colour

Halogen

UV-resistant

Connector standard Approvals

Note

Ordering data

| | 1.0 m |
|-----|--------|
| | 2.0 m |
| | 3.0 m |
| | 5.0 m |
| | 10.0 m |
| | 15.0 m |
| | 40.0 m |
| ote | |

| Patch cable |
|-------------------------------------------------------|
| T1-B |
| STP |
| -4080 °C |
| 60 V |
| 3.5 A |
| PoDL acc. to IEEE 802.3bu / cg |
| 10/100 MBit/s, 1000 MBit/s |
| 1000 V DC |
| 2250 V DC |
| 100 ± 15 Ω at 20 MHz |
| 1.6 nF/km |
| Туре І |
| |
| 1 kV DC, 1 min |
| 2 % |
| 10/100 MBit/s, 1000 MBit/s |
| SPE plug (IEC 63171-2) - IP20 socket contact straight |
| SPE plug (IEC 63171-2) - IP20 socket contact straight |
| 2 |
| white / blue |
| Shielding braid made from copper wiring / 80 % |
| PE |
| 1.65 mm |
| 4.9 / 5.3 mm |
| 2*AWG 22 / 7 |
| STP |
| PVC |
| black |
| Yes |
| Complies with UL 1581 Sec. 1200 |
| IEC 63171-2 |
| CE; CULUS; EAC |

| Туре | Qty. | Order No. |
|------------------------|------|------------|
| IE-S1DS2VE0010T01T01-E | 1 | 2725850010 |
| IE-S1DS2VE0020T01T01-E | 1 | 2725850020 |
| IE-S1DS2VE0030T01T01-E | 1 | 2725850030 |
| IE-S1DS2VE0050T01T01-E | 1 | 2725850050 |
| IE-S1DS2VE0100T01T01-E | 1 | 2725850100 |
| IE-S1DS2VE0150T01T01-E | 1 | 2725850150 |
| IE-S1DS2VE0400T01T01-E | 1 | 2725850400 |
| | | |

Weidmüller 🐔 2977770000

M8 plug Male / Male

Socket contact / Socket contact

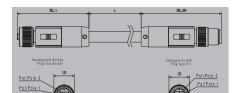


. _____.

M8 plug Male / Female

Socket contact / Pin contact







Technical data

Product type Category

Shielding

Ambient temperature (operational)

Rated voltage (DC) Rated current PoE / PoE+

Transmission rate

Dielectric strength, contact / contact Dielectric strength, contact / shield

Current-carrying capacity Characteristic impedance

Capacity at 800 Hz

Coupling attenuation 1 to 600 MHz Coupling attenuation up to 1000 \mbox{MHz} Test voltage: wire-wire-shield

Resistance differential Transmission rate Version connector left Version connector right Number of wires

Colour coding Complete shielding / Overlap of shielding braid

Insulation Insulation diameter Sheath diameter, min. / max. Cross-section / Strands Shielding

Material sheath Colour Halogen UV-resistant Connector standard

Approvals Note

| Patch cable |
|-------------------------------------------------------|
| T1-B |
| STP |
| -4085 °C |
| 60 V |
| 3.5 A |
| PoDL acc. to IEEE 802.3bu / cg |
| 10/100 MBit/s, 1000 MBit/s |
| 1000 V DC |
| 2250 V DC |
| 3.5A @ 0°C |
| $100 \pm 15~\Omega$ at $20~\text{MHz}$ |
| 1.6 nF/km |
| Type I |
| |
| 1 kV DC, 1 min |
| 2 % |
| 10/100 MBit/s, 1000 MBit/s |
| M8 SPE (IEC63171-5) - IP67 socket contact - straight |
| M8 SPE (IEC63171-5) - IP67 socket contact - straight |
| 2 |
| white / blue |
| Shielding braid made from copper wiring / 80 % |
| PE |
| 1.65 mm |
| 4.9 / 5.3 mm |
| 2*AWG 22 / 7 |
| STP |
| PVC |
| black |
| Yes |
| Complies with UL 1581 Sec. 1200 |
| IEC 63171-5 |
| CE; EAC |
| |

| Patch cable |
|-------------------------------------------------------|
| T1-B |
| STP |
| -4085 °C |
| 60 V |
| 3.5 A |
| PoDL acc. to IEEE 802.3bu / cg |
| 10/100 MBit/s, 1000 MBit/s |
| 1000 V DC |
| 2250 V DC |
| 3.5A @ 0°C |
| 100 ± 15 Ω at 20 MHz |
| 1.6 nF/km |
| Type I |
| |
| 1 kV DC, 1 min |
| 2 % |
| 10/100 MBit/s, 1000 MBit/s |
| M8 SPE (IEC63171-5) - IP67 socket contact - straight |
| M8 SPE (IEC63171-5) - IP67 pin contact - straight |
| 2 |
| white / blue |
| Shielding braid made from copper wiring / 80 % |
| PE |
| 1.65 mm |
| 4.9 / 5.3 mm |
| 2*AWG 22 / 7 |
| STP |
| PVC |
| black |
| Yes |
| Complies with UL 1581 Sec. 1200 |
| IEC 63171-5 |
| CE; EAC |

Ordering data

2.0 m 5.0 m 10.0 m 15.0 m 20.0 m 40.0 m Note

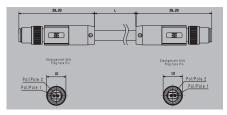
| туре | uty. | Oraer No. |
|------------------------|------|------------|
| IE-S1DS2VE0020TM1TM1-E | 1 | 2726050020 |
| IE-S1DS2VE0050TM1TM1-E | 1 | 2726050050 |
| IE-S1DS2VE0100TM1TM1-E | 1 | 2726050100 |
| IE-S1DS2VE0150TM1TM1-E | 1 | 2726050150 |
| IE-S1DS2VE0200TM1TM1-E | 1 | 2726050200 |
| IE-S1DS2VE0400TM1TM1-E | 1 | 2726050400 |
| | | |
| | | |

| Туре | Qty. | Order No. |
|------------------------|------|------------|
| IE-S1DS2VE0020TM1TM2-E | 1 | 2726060020 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

M8 plug Female / Female

Pin contact / Pin contact





Technical data

Product type Category

Shielding

Ambient temperature (operational)

Rated voltage (DC)
Rated current
PoE / PoE+

Transmission rate

Dielectric strength, contact / contact Dielectric strength, contact / shield

Current-carrying capacity Characteristic impedance Capacity at 800 Hz

Coupling attenuation 1 to 600 MHz Coupling attenuation up to 1000 MHz Test voltage: wire-wire-shield

Resistance differential
Transmission rate
Version connector left
Version connector right
Number of wires
Colour coding

Complete shielding / Overlap of shielding braid

Insulation
Insulation diameter
Sheath diameter, min. / max.
Cross-section / Strands
Shielding
Material sheath
Colour

Colour Halogen UV-resistant Connector standard

Approvals Note

Ordering data

2.0 m 5.0 m 10.0 m 15.0 m 20.0 m 40.0 m

| Patch cable |
|----------------------------------------------------|
| T1-B |
| STP |
| -4085 °C |
| _60 V |
| 3.5 A |
| PoDL acc. to IEEE 802.3bu / cg |
| 10/100 MBit/s, 1000 MBit/s |
| 1000 V DC |
| 2250 V DC |
| 3.5A @ 0°C |
| $100 \pm 15 \Omega$ at 20 MHz |
| 1.6 nF/km |
| Type I |
| |
| 1 kV DC, 1 min |
| 2 % |
| 10/100 MBit/s, 1000 MBit/s |
| M8 SPE (IEC63171-5) - IP67 pin contact - straight |
| M8 SPE (IEC63171-5) - IP67 pin contact - straight |
| 2 |
| white / blue |
| Shielding braid made from copper wiring / 80 % |
| PE |
| 1.65 mm |
| 4.9 / 5.3 mm |
| 2*AWG 22 / 7 |
| STP |
| PVC |
| black |
| Yes |
| Complies with UL 1581 Sec. 1200 |
| IEC 63171-5 |
| CE; EAC |
| |

| Туре | Qty. | Order No. |
|------------------------|------|------------|
| IE-S1DS2VE0020TM2TM2-E | 1 | 2726070020 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

C.10 Weidmüller № 2977770000

Raw cables

• AWG 22

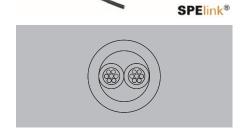
PUR





LSZH





Technical data

Product type Category Shielding Cross-section Sheath diameter, max.

Material sheath Sheathing colour Insulation diameter

Min. bending radius, repetitive Min. bending radius, once only Ambient temperature (operational) Installation temperature

Storage temperature Halogen

Resistance to spread of flame Approvals Note

| Urd | erina | data |
|-----|-------|------|

| | 500.0 m |
|------|---------|
| Note | |

| _ | | |
|-----|------|------|
| Acc | esso | ries |

| System cable |
|----------------------------------------------------------------------|
| T1-B |
| S/FTP |
| 1 x 2 x AWG 22/7 - 0.35 mm ² |
| 5.3 mm |
| PUR |
| black |
| 1.7 mm |
| |
| 22 mm |
| -40 °C80 °C |
| |
| |
| halogen-free, acc. to IEC 60754-1, halogen-free, acc. to IEC 60754-2 |
| in accordance with IEC 60332-1-2 |
| |

| Туре | Qty. | Order No. |
|----------------|------|------------|
| IE-S1DS2UE-500 | 1 | 2924340000 |
| | | |
| | | |

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

| System cable | |
|--------------------|---------------------------------------------------|
| T1-B | |
| S/FTP | |
| 1 x 2 x AWG 22/ | 7 - 0.35 mm ² |
| 5.1 mm | |
| LSZH | |
| black | |
| 1.7 mm | |
| | |
| 22 mm | |
| -20 °C60 °C | |
| | |
| | |
| halogen-free, acc. | to IEC 60754-2, halogen-free, acc. to IEC 60754-1 |
| in accordance wit | th IEC 60332-1-2 |
| | |

| Туре | Qty. | Order No. |
|----------------|------|------------|
| IE-S1DS2LE-500 | 1 | 2924350000 |
| | | |
| | | |

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

Raw cables

• AWG 26

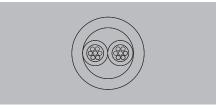


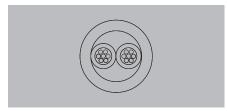


LSZH



PUR





Technical data

Product type Category Shielding

Cross-section Sheath diameter, max. Material sheath

Sheathing colour Insulation diameter

Min. bending radius, repetitive Min. bending radius, once only Ambient temperature (operational)

Installation temperature Storage temperature

Halogen

Resistance to spread of flame

Approvals

Note

Ordering data 500.0 m

Accessories

| S | ystem cable |
|----|---------------------------------------------------------------------|
| T | 1-B |
| S | /FTP |
| 1 | x 2 x AWG 26/7 - 0.132 mm ² |
| 4 | .3 mm |
| P | UR |
| b | lack |
| 1 | .15 mm |
| 5 | 6 mm |
| 2 | 8 mm |
| -4 | 10 °C80 °C |
| | |
| | |
| h | alogen-free, acc. to IEC 60754-1, halogen-free, acc. to IEC 60754-2 |
| ir | accordance with IEC 60332-1-2 |

| Туре | Qty. | Order No. |
|----------------|------|------------|
| IE-S1ES2UE-500 | 1 | 2924360000 |
| | | |
| | | |

| Туре | Qty. | Order No. | |
|------|------|-----------|--|
| | | | |

| System cable |
|----------------------------------------------------------------------|
| T1-B |
| S/FTP |
| 1 x 2 x AWG 26/7 - 0.132 mm ² |
| 3.7 mm |
| LSZH |
| black |
| 1.15 mm |
| 56 mm |
| 28 mm |
| -20 °C60 °C |
| |
| |
| halogen-free, acc. to IEC 60754-2, halogen-free, acc. to IEC 60754-1 |
| in accordance with IEC 60332-1-2 |

| Туре | Qty. | Order No. |
|----------------|------|------------|
| IE-S1ES2LE-500 | 1 | 2924370000 |
| | | |

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

Note

2977770000 2977770000

Plug

- Only one pair of wires for data and power
- Multi-port support
- IP20

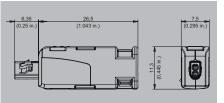
Field-terminated plug IP20

Socket contact









Technical data

Category

Protection degree

Transmission rate

Ambient temperature (operational)

Plugging cycles

Housing main material

Contact material Contact surface

Rated voltage

Connection diameter, flexible, min. / max.

Connection cross-section, flexible, min. / max.

Connection diameter, solid, min. / max.

Connection cross-section, solid, min. / max.

Sheath diameter, min. / max.

Insulation cross-section, min.

Insulation cross-section, max.

Insulation strength

PoE / PoE+

Dielectric strength, contact / contact

Dielectric strength, contact / shield

Connector standard
UL 94 flammability rating

Note

Ordering data

| Plug | |
|------|-----------------------|
| | field-terminated plug |
| Note | |

| T1-B |
|--------------------------------|
| IP20 |
| 10/100 MBit/s, 100 MBit/s |
| -4085 °C |
| 750 |
| zinc diecast nickel-plated |
| Bronze tin-plated |
| Gold-plated |
| |
| 0.480.76 mm |
| AWG 26AWG 22 |
| 0.410.64 mm |
| AWG 24AWG 22 |
| 3.65.7 mm |
| 0.85 mm |
| 1.6 mm |
| $\geq 500 \text{ M}\Omega$ |
| PoDL acc. to IEEE 802.3bu / cg |
| ≥ 1000 V DC |
| ≥ 1500 V DC |
| IEC 63171-2 |
| V-0 |
| |

| Туре | Qty. | Order No. |
|--------------------|------|------------|
| IE-PS-SP0-S-FH-180 | 1 | 2726040000 |
| | | |
| | | |

Accessories

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

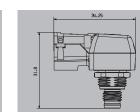
Adapter IP20 / IP65 (M8)

• Only one pair of wires for data and power

Adapter



SPElink®



Technical data

Category

Ambient temperature (operational)

Protection degree
Connection 1 / 2 / Connection

Number of poles

Outlet direction

Contact material

Contact surface

Contact carrier material

Operational voltage range

Rated current

Insulation strength

Dielectric strength, contact / contact

Dielectric strength, contact / shield

Connector standard UL 94 flammability rating

Note

Ordering data

Note

Accessories

| T1-B |
|---------------------------------------------------------|
| -4085 °C |
| IP65 (in plugged condition) |
| SPE socket acc. to IEC 63171-2 / M8 socket male contact |
| 2 |
| Angled |
| Cu |
| Ni/Au |
| |
| \leq 50 V AC, \leq 60 V DC |
| 3.5 A at 0°C |
| ≥ 500 MΩ |
| ≥ 1000 V DC |
| 2250 V DC |
| IEC 63171-2, IEC 63171-5 |
| V-0 |
| |

| Туре | Qty. | Order No. |
|----------------------|------|------------|
| IE-AD-SP0-P-SPM-P-90 | 10 | 2814400000 |
| | | |

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

FrontCom® Micro Service Interface

• Only one pair of wires for data and power

Coupling

Pin contacts

T1-B

IP65, in closed state -40...70 °C 750

PA UL 94 VO

Gold over nickel

3.5 A at 0°C

≥ 1000 V DC

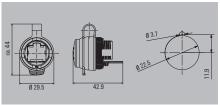
2250 V DC

IEC 63171-2

PoDL acc. to IEEE 802.3bu / cg







Technical data

Category

Protection degree

Ambient temperature (operational)

Plugging cycles

Housing main material

Contact material Contact surface

Rated voltage

Rated current

Insulation cross-section, min.

Insulation cross-section, max.

Insulation strength

PoE / PoE+

Dielectric strength, contact / contact

Dielectric strength, contact / shield

Connector standard

UL 94 flammability rating

Note

Ordering data

| | Coupling |
|------|----------|
| Note | |
| | |

| Туре | Qty. | Order No. |
|--------------|------|------------|
| IE-FCM-SPO-C | 1 | 2870820000 |
| | | |
| | | |

Accessories

| Fixing tool | |
|--------------|--------------------------|
| | |
| Marking tags | |
| | SwitchMark markers white |
| Holder | |

| Туре | Qty. | Order No. |
|-------------------|------|------------|
| IE-FISP-V4 | 2 | 9204370000 |
| | | |
| SM 27/18 MC NE WS | 80 | 1699860000 |
| | | |
| SM-H 27/18 SW | 25 | 1716630000 |

Note

2977770000 **Weidmüller № C.15**

Mounting rail outlets

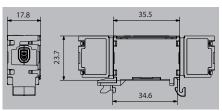
- Only one pair of wires for data and power
- IP20
- TS35

Coupling, straight outlet

Pin contacts







Technical data

Category

Protection degree

Ambient temperature (operational)

Plugging cycles

Housing main material

Contact material Contact surface

Rated voltage

Rated current

Insulation cross-section, min.

Insulation cross-section, max.

Insulation strength

PoE / PoE+

Dielectric strength, contact / contact

 ${\bf Dielectric\ strength,\ contact\ /\ shield}$

Connector standard

UL 94 flammability rating

Note

| T1-B |
|--------------------------------|
| IP30, in closed state |
| -4070 °C |
| 750 |
| PA 66 |
| Cu |
| Gold over nickel |
| |
| 3.5 A at 0°C |
| |
| |
| ≥ 500 MΩ |
| PoDL acc. to IEEE 802.3bu / cg |
| ≥ 1000 V DC |
| 2250 V DC |
| IEC 63171-2 |
| V-0 |
| |
| |
| |

Ordering data

Not

| Note | | | |
|------|--|--|--|
| A | | | |

| Qty. | Order No. |
|------|------------|
| 10 | 2870790000 |
| | |
| | |

Accessories

Marking tags

MultiCard, white

| Туре | Qty. | Order No. |
|---------------------|------|------------|
| ESG 9/11 K MC NE WS | 200 | 1857440000 |

Coupling

- IP20
- For housing variants 1, 4, 5, 14 and for FrontCom®
- SPE coupling for FrontCom® only

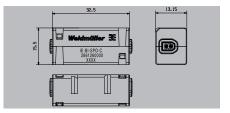
Coupling IP20 / IP20

Pin contacts









Technical data

Category

Protection degree

Ambient temperature (operational)

Plugging cycles

Housing main material Contact material

Contact surface Rated voltage

Rated current

Insulation cross-section, min. Insulation cross-section, max.

Insulation strength

PoE / PoE+

Dielectric strength, contact / contact

Dielectric strength, contact / shield Connector standard

UL 94 flammability rating

Note

| T1-B |
|--------------------------------|
| IP67 with housing |
| -4085 °C |
| 750 |
| PA 66 |
| Cu |
| Gold over nickel |
| |
| 3.5 A at 0°C |
| |
| |
| ≥ 500 MΩ |
| PoDL acc. to IEEE 802.3bu / cg |
| ≥ 1000 V DC |
| 2250 V DC |
| IEC 63171-2 |
| V-0 |
| |
| |
| |

Ordering data

| tool-free | |
|-----------|----------|
| | Coupling |
| Note | |

| Туре | Qty. | Order No. |
|-------------|------|------------|
| IE-BI-SPO-C | 10 | 2861260000 |
| | | |
| | | |
| | | |

Accessories

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

PCB connector IP20

- Only one pair of wires for data and power
- Multi-port support
- Robust locking mechanism
- Shock and vibration proof
- Most compact design

PCB connector, 90°

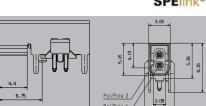
Pin contact

IEC 63171-2

V-0





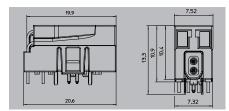


PCB connector, 90°, incl. LED

Pin contact



SPElink®



Technical data

Category

Protection degree

Ambient temperature (operational)

Transmission rate Type of connection

Outgoing elbow

Number of poles

Mounting onto the PCB

Plugging cycles

Contact material Contact surface

Rated voltage

Rated current

Insulation strength

PoE / PoE +

Dielectric strength, contact / contact

Dielectric strength, contact / shield

Connector standard

UL 94 flammability rating

Note

| T1-B |
|---------------------------------|
| IP20 |
| -4085 °C |
| 10/100 MBit/s, 1000 MBit/s |
| Solder connection, Male contact |
| 90° |
| 2 |
| THT/THR solder connection |
| 750 |
| Cu |
| Ni/Au |
| 72 V |
| 4 A |
| $\geq 500 \text{M}\Omega$ |
| PoDL acc. to IEEE 802.3bu / cg |
| 1000 V DC |
| 2250 V DC |

| T1-B |
|---------------------------------|
| IP20 |
| -4085 °C |
| 10/100 MBit/s, 1000 MBit/s |
| Solder connection, Male contact |
| 90° |
| 2 |
| THT/THR solder connection |
| 750 |
| Cu |
| Ni/Au |
| 72 V |
| 4 A |
| ≥ 500 MΩ |
| PoDL acc. to IEEE 802.3bu / cg |
| 1000 V DC |
| 2250 V DC |
| IEC 63171-2 |
| V-0 |
| |

Ordering data

| | FGD COMMECTOR, IFZO, PIN COMME |
|------|---------------------------------------------|
| | PCB connector, IP20, pin contact incl. LEDs |
| Note | |

| | PUB CONNECTOR, IPZO, pill Contact Inci. LEDS |
|------|----------------------------------------------|
| Note | |
| | |
| | |

| Туре | Qty. | Order No. |
|----------------------|------|------------|
| IE-PCB-SPE-P-90V-THR | 100 | 2726010000 |
| | | |
| | | |

| Туре | Qty. | Order No. |
|--------------------------------------------|------|------------|
| | | |
| IE-PCB-SPE-P-90V-THR-YG/YG | 100 | 2795120000 |
| Bi-colour LED: yellow/green yellow/green | | |

| Acc | esso | ries | |
|-----|------|------|--|

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

PCB connector IP20

- Only one pair of wires for data and power
- Multi-port support
- Robust locking mechanism
- Shock and vibration proof
- Most compact design

PCB connector, 180°

Pin contact

T1-B

IP20

180°

750

Cu

Ni/Au

72 V 4 A ≥ 500 MΩ

1000 V DC

2250 V DC IEC 63171-2

V-0

-40...85 °C

10/100 MBit/s, 1000 MBit/s

THT/THR solder connection

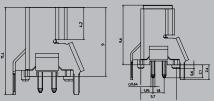
PoDL acc. to IEEE 802.3bu / cg

Solder connection, Male contact









Technical data

Category

Protection degree

Ambient temperature (operational)

Transmission rate

Type of connection

Outgoing elbow Number of poles

Mounting onto the PCB

Plugging cycles

Contact material

Contact surface

Rated voltage Rated current

Insulation strength

PoE / PoE +

Dielectric strength, contact / contact

Dielectric strength, contact / shield

Connector standard

UL 94 flammability rating

Note

Ordering data

| | PCB connector, IP20, pin contact |
|------|---------------------------------------------|
| | PCB connector, IP20, pin contact incl. LEDs |
| Note | |

| Туре | Qty. | Order No. |
|-----------------------|------|------------|
| IE-PCB-SPE-P-180V-THR | 100 | 2795170000 |
| | | |
| | | |
| | | |

Accessories

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

Empty housing

M8 front wall mounting

M8 rear wall mounting







SPElink®





-40...85 °C

Frontpanel mounting

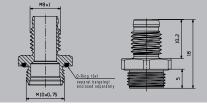
IEC 61076-2-104, IEC 63171-5

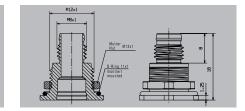
Screw mounting

M10 x 0.75

2.5 Nm

IP67 Brass, nickel-plated FKM





Technical data

Category

Ambient temperature (operational)

Protection degree Housing main material

Seal material

Configuration Type of mounting

Connection thread

Connector standard

Tightening torque fixing nut

Note

| 4085 °C |
|------------------------------|
| IP67 |
| Brass, nickel-plated |
| FKM |
| Backpanel mounting |
| Screw mounting |
| M10 x 0.75 |
| IEC 61076-2-104, IEC 63171-5 |
| 2.5 Nm |

Ordering data

Note

| Δc | CPS | :cn | ries | ς |
|-----|-----|-----|------|---|
| 710 | 000 | ,00 | | 4 |

| Fastening nut |
|---------------|
|---------------|

| Туре | Qty. | Order No. |
|-----------------------------------------------|-------|------------|
| IE-BHD-SPE-M8-OT-FP | 10 | 2726020000 |
| Inserts and fixing nut must be ordered separa | tely. | |

| Туре | Qty. | Order No. |
|---------------------------|------|-------------|
| IE-RHD-SDE-ED-CNLM10Y0.75 | 10 | 27306/10000 |

| Туре | Qty. | Order No. |
|----------------------------------------------------|------|------------|
| IE-BHD-SPE-M8-OT-BP | 20 | 2726030000 |
| Inserts to be ordered separately, fixing nut inclu | ded. | |

| Туре | Qty. | Order No. |
|---------------------------|------|------------|
| IE-BHD-SPE-FP-CN-M10X0.75 | 10 | 2739640000 |

PCB insert

M8 insert 180° pin contacts

M8 insert 90° pin contacts

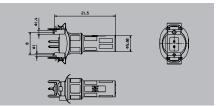


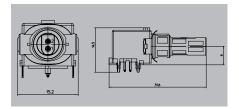
SPElink®



SPElink®







Technical data

Category

Ambient temperature (operational)

Protection degree

Pollution severity

Connection thread Number of poles

Type of connection

Outgoing elbow

Contact material

Contact surface

Contact carrier material Operational voltage range

Rated current

Insulation strength

Dielectric strength, contact / contact

Dielectric strength, contact / shield

Connector standard

UL 94 flammability rating

Note

Ordering data

| | THR |
|------|-----|
| | SMD |
| Note | |

| _ | | | | | | | | | |
|---|---|---|---|---|---|---|----|----|--|
| Α | C | C | e | S | S | 0 | rı | es | |

| T1-B |
|---------------------------------|
| -4085 °C |
| IP67 with housing |
| 2 |
| M8 |
| 2 |
| Solder connection, Male contact |
| 180° |
| Copper alloy |
| Ni/Au |
| LCP |
| \leq 50 V AC, \leq 60 V DC |
| 4 A |
| $\geq 500 \mathrm{M}\Omega$ |
| 1000 V DC |
| 2250 V DC |
| IEC 63171-5 |
| V-0 |
| |

| Туре | Qty. | Order No. |
|----------------------|------|------------|
| IE-PCB-SPM-P-180-THR | 100 | 2735920000 |
| IE-PCB-SPM-P-180-SMD | 100 | 2795110000 |
| | | |

| Туре | Qty. | Order No. | |
|------|------|-----------|--|
| | | | |

| T1-B |
|---------------------------------|
| -4085 °C |
| IP67 with housing |
| 2 |
| M8 |
| 2 |
| Solder connection, Male contact |
| 90° |
| Copper alloy |
| Ni/Au |
| LCP |
| \leq 50 V AC, \leq 60 V DC |
| 4 A |
| $\geq 500 \mathrm{M}\Omega$ |
| 1000 V DC |
| 2250 V DC |
| IEC 63171-5 |
| V-0 |
| |

| Туре | Qty. | Order No. |
|---------------------|------|------------|
| IE-PCB-SPM-P-90-THR | 100 | 2795100000 |
| | | |
| | | |
| | | |

| Туре | Qty. | Order No. |
|------|------|-----------|
| | | |

C.22 Weidmüller ₹ 2977770000

OMNIMATE® Data - RJ45

OMNIMATE® Data - RJ45

| Explanation | D.2 |
|---------------------------------------------------|------|
| RJ45 modular jacks - Quick selection | D.4 |
| RJ45 modular jacks for SMT soldering process | D.6 |
| RJ45 modular jacks for THR soldering process | D.12 |
| RJ45 modular jacks for wave soldering process | D.18 |
| RJ45 transformer jacks - Quick selection | D.24 |
| RJ45 transformer jacks for SMT soldering process | D.26 |
| RJ45 transformer jacks for THR soldering process | D.28 |
| RJ45 transformer jacks for wave soldering process | D.38 |

OMNIMATE® Data RJ45 PCB jacks

The future-proof transmission solution in the industrial environment

A wide variety of PCB jacks are needed for the data transmission in Industrial Ethernet environment. Trends in technology, like the shift from fieldbus to Industrial Ethernet, demand an increasing number of designs of RJ45 PCB jacks to enable adaptation to individual housing design.

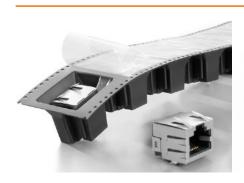
RJ45 components from Weidmüller ensure a reliable transmission with high data rates of up to 10 Gbps and provide sufficient safety reserves. With diverse variants, such as for THT, THR or SMT soldering methods, the PCB sockets are suitable for all common methods of circuit board assembly. The shielded technology also allows its use in products for harsh and electromagnetically noisy environments.

Improves corrosion protection, reduces contact problems

Reinforced gold layer (30µ") for high durability (≥750cyles)

Trouble-free PCB assembly

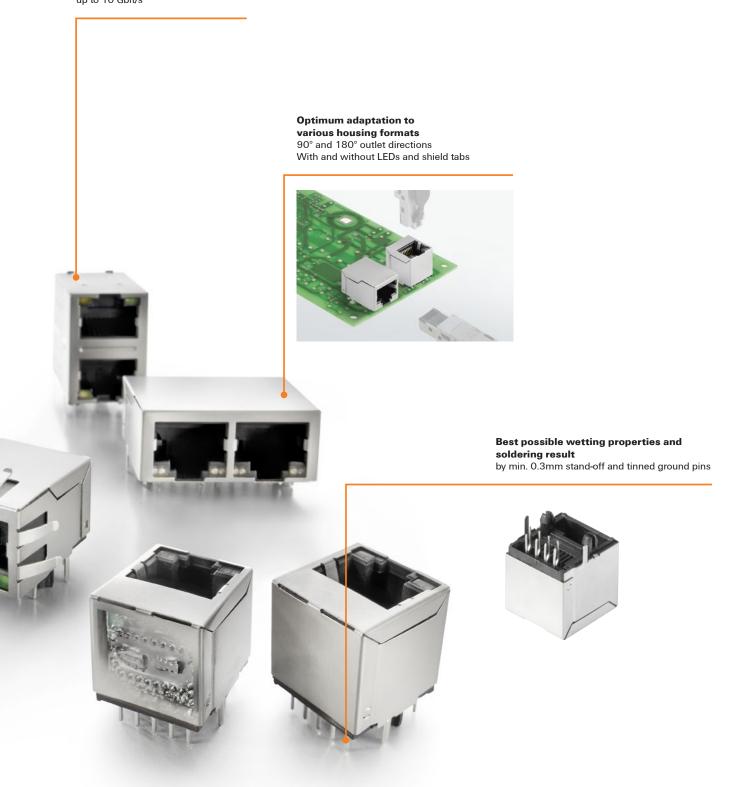
Due to shorter solder pins with chamfered tips; SMT, THR or THT soldering technology; Tape on Reel or assembly by hand (Tray)





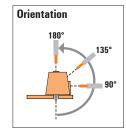
Equipped for the future For data transmission rates up to 10 Gbit/s

2977770000



Weidmüller **₹** D.3

http://www.OMNIMATE.net





RJ45 modular iacks

| RJ45 modular jacks | | | | | | |
|------------------------------------------|----------------------------|-------------------|---------------------------------|----------------|---------------------|----------------------|
| | Mounting onto the PCB | Reference picture | Outgoing elbow/ Latch option | Shield tabs | LED (left/right) | Performance category |
| Shielded | | | 180° vertical | No | No | Cat.5 |
| • Contact surface: 30µ" Au | | 77777 | TOU VERLICAL | Yes | No | Cat.5 |
| • Temperature range: –40 °C to +85 °C | SMD | | 90° horizontal/latch down | No | No | Cat.5 |
| | 1 1 1 | | 90 HORIZOHIAN/TATCH GOWN | No | No | Cat.5 |
| | SMT-soldering | | | No | No | Cat.5 |
| | process | | 90° horizontal/latch up | Yes | G/Y | Cat.5 |
| | | 5.00 | | Yes | No | Cat.5 |
| | | | 180° vertical | No | G/Y | Cat.5 |
| | | | 100 Vertical | No | No | Cat.5 |
| | THR THR-soldering process | 200 | 90° horizontal/latch down | Yes | G/Y | Cat.5 |
| | | | 30 Horizontal/laten down | Yes | No | Cat.5 |
| | | 500 | 90° horizontal/latch up | Yes | No | Cat.5 |
| | | | oo nonzontai/iaton ap | No | G/Y | Cat.5 |
| | | | | No | No | Cat.6 |
| | | | 180°/vertical | No | G/Y | Cat.5 |
| | | | 100 / Vertical | No | No | Cat.5 |
| | | | | No | No | Cat.5 |
| | WAVE | | | No | No | Cat.5 |
| | | | 90°/latch down | Yes | G/Y | Cat.5 |
| | Wave soldering process | | | Yes | No | Cat.5 |
| | ргоссаа | | | No | No | Cat.6 |
| | | 11/ | 90°/latch up | No | No | Cat.5 |
| | | | oo / latoli ap | Yes | G/Y | Cat.5 |
| | | | | Yes | No | Cat.5 |
| | N . | | | | | |

- Note: *1 Solder pin shield THR *2 Solder pin shield SMT *3 Solder pin shield front

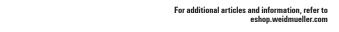
Weidmüller 🕏 2977770000

| Packaging | Order No. | Туре | | | | |
|-----------|------------|------------------------|--|--|--|--|
| Таре | 1433900000 | RJ45C3 S1V 2.7N4N RL | | | | |
| Таре | 2514600000 | RJ45C3 S1V 2.7E4N RL | | | | |
| Таре | 2000890000 | RJ45C3 S1D 2.7N4N RL*1 | | | | |
| Таре | 1433890000 | RJ45C3 S1D 2.7N4N RL*2 | | | | |
| Таре | 1455220000 | RJ45C3 S1U 0.9N4N RL | | | | |
| Таре | 2562890000 | RJ45C3 S1U DE4G/Y RL | | | | |
| Таре | 2562940000 | RJ45C3 S1U DE4N RL | | | | |
| Tray | 2516380000 | RJ45C5 R1V 3.2N4G/Y TY | | | | |
| Таре | 2562970000 | RJ45C5 R1V 3.2N4N RL | | | | |
| Таре | 2562870000 | RJ45C5 R1D 3.2E4G/Y RL | | | | |
| Таре | 2562910000 | RJ45C5 R1D 3.3E4N RL | | | | |
| Таре | 2562930000 | RJ45C5 R1U 2.8E4N RL | | | | |
| Таре | 2562950000 | RJ45C5 R1U 2.8N4G/Y RL | | | | |
| Tray | 2626050000 | RJ45C6 T1V 3.0N4N TY | | | | |
| Tray | 2562960000 | RJ45C5 T1V 3.2N4G/Y TY | | | | |
| Tray | 2436450000 | RJ45C5 T1V 4.0N4N TY | | | | |
| Tray | 1433810000 | RJ45C5 T1V 3.2N4N TY*3 | | | | |
| Tray | 1433800000 | RJ45C5 T1D 3.2N4N TY | | | | |
| Tray | 2562820000 | RJ45C5 T1D 3.2E4G/Y TY | | | | |
| Tray | 2562900000 | RJ45C5 T1D 3.3E4N TY | | | | |
| Tray | 1433910000 | RJ45C6 T1U 2.7N4N TY | | | | |
| Tray | 1455240000 | RJ45C5 T1U 2.8N4N TY | | | | |
| Tray | 2562880000 | RJ45C5 T1U 2.8E4G/Y TY | | | | |
| Tray | 2562920000 | RJ45C5 T1U 2.8E4N TY | | | | |
| | | | | | | |

| D.I.A.E. | | _ | 4 | – – | | _ | 0 | _ | | 4 | 0)/ | / O) / | T)/ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------|--------------|------------------------------------------|-------------------------|------------------------------------------|-----------------------|------|---|--------|-----|--------|-----|
| RJ45 | G | R | | | U | 3. | 2 | E | | 4 | GY/ | / GY | IY |
| Performance Category | | | | | | | | | | | | | |
| C5 Category 5 C6 Category 6 C6A Category 6A C5e Category 5e M 10/100 Mbit G1 10/100/1000 Mbit G10 10 Gbit U Unshielded MP 10/100 Mbit with PDE MP+ 10/100 Mbit with PDE+ | | | | | | | | | | | | | |
| Assembly on PCB | | | | | | | | | | | | | |
| R Through Hole Reflow - THR Soldering process: Wave or soldering S Surface Mount Technology Soldering process: Reflow s T Through Hole Technology - Soldering process: Wave | Refloo - SMT coldering | | | | | | | | | | | | |
| Number of Ports | | | | | | | | | | | | | |
| 1 1 Port 12; 14; multi ports side by s 21; 41; multi ports about ea | | | el | | | | | | | | | | |
| Direction, latch style U Horizontal (90°, side entry), D Horizontal (90°, side entry), V Vertical (180°, top entry) Y Diagonal (45°), latch up | | | | | | | | | | | | | |
| | | 3 | 3.2 S 1.6 | er Pin 3.2 mr 1.6 mr SMD | m | th | | | | | | | |
| | | E | E | tabs (= with = with | EMI | tabs | | s) | | | | | |
| | | | 1 1 | act sι = 3μ", = 30μ | , 2 = | 6μ", | 3 = 1 | | , | | | | |
| | |) () () () () | 0/G R/O | Gre Y Gre Ora Rec (1 | en-Ye nge/I d/Ora | ellow Illow Greer nge er cor | ı (star /Gree 1 | n-Ye | | sible) | | | |
| | | 1 | Υ | aging Tray in Tape o | box | | | | | nbly) | | | |

Weidmüller **₹** D.5 2977770000

1x1 port, 180° (vertical)







- \bullet 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

Technical data

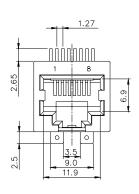
| Outgoing elbow | 180° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 9T |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Copper alloy |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| Note | |

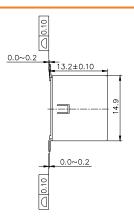
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
|----------------------------------------|------------------------|--|
| Operating temperature | -4085 °C | |
| Rated voltage | 125 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | 1000 V DC | |
| Insulation strength | ≥ 500 MΩ | |
| Plugging cycles | 750 | |
| Approvals | CURUS | |
| | | |

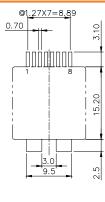












Ordering data

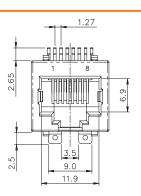
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 S1V 2.7N4N RL | SMD solder connection | | none | No | Cat. 5 | Tape | 300 | 1433900000 |
| Other versions on request | | | | | | | | |

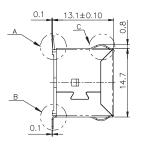


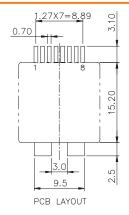
0.6 Weidmüller ₹ 2977770000









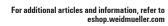


Ordering data

| Type M | Tounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 S1V 2.7E4N RL SN | MD solder connection | | 4 tabs | No | Cat. 5 | Tape | 300 | 2514600000 |

2977770000 **Weidmüller ₹ D.7**

1x1 port, 90° (horizontal) latch down







- \bullet 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

Technical data

| Outgoing elbow | 90° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 9T |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Copper alloy |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| Note | |

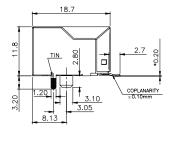
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
|----------------------------------------|------------------------|--|
| Operating temperature | -4085 °C | |
| Rated voltage | 125 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | 1000 V DC | |
| Insulation strength | ≥ 500 MΩ | |
| Plugging cycles | 750 | |
| Approvals | CURUS | |
| | | |

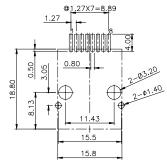












Ordering data

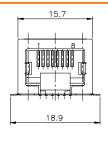
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|----------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 S1D 2.7N4N RL | SMD solder connection | bottom | none | No | Cat. 5 | Таре | 240 | 2000890000 |
| | | | | | | | | |

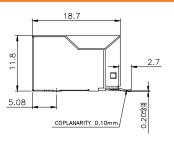
Weidmüller ₹ 2977770000

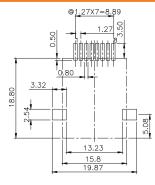








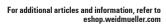




Recommended PCB Layout (Top side)

| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 S1D 2.7N4N RL | SMD solder connection | bottom | none | No | Cat. 5 | Tape | 260 | 1433890000 |
| Other versions on request | | | | | | | | |

1x1 port, 90° (horizontal) latch up







- \bullet 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- Other variations on request

Technical data

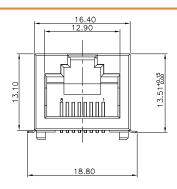
| Outgoing elbow | 90° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 9T |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Copper alloy |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| Note | |

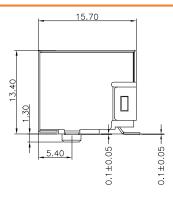
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
|----------------------------------------|------------------------|--|
| Operating temperature | -4085 °C | |
| Rated voltage | 125 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | 1000 V DC | |
| Insulation strength | ≥ 500 MΩ | |
| Plugging cycles | 750 | |
| Approvals | CURUS | |
| | | |

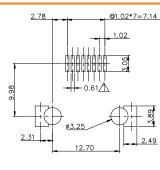












Ordering data

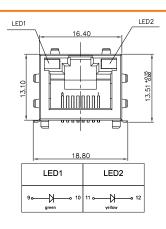
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5E S1U 0.9N4N RL | SMD solder connection | top | none | No | Cat. 5e | Tape | 200 | 1455220000 |
| Other versions on request | | | | | | | | |

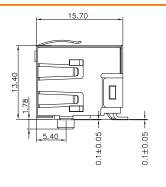


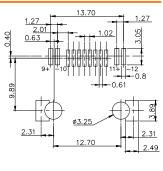
D.10 Weidmüller № 2977770000









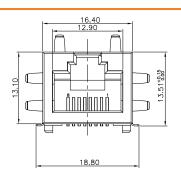


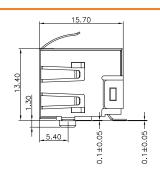
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-----------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5E S1U DE4G/Y RL | SMD solder connection | top | 6 tabs | Yes | Cat. 5e | Tape | 200 | 2562890000 |

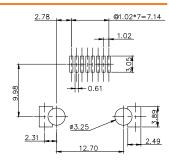












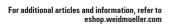
Ordering data

2977770000

| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5E S1U DE4N RL | SMD solder connection | top | 6 tabs | No | Cat. 5e | Tape | 200 | 2562940000 |
| | | | | | | | | |

90°

1x1 port, 180° (vertical)







- \bullet 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

Technical data

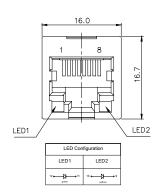
| Outgoing elbow | 180° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 9T |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Brass |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| Note | |

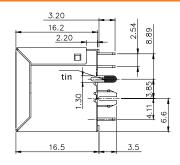
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au |
|----------------------------------------|------------------------|
| Operating temperature | -4085 °C |
| Rated voltage | 125 V |
| Rated current | 1.5 A |
| Dielectric strength, contact / contact | 1000 V DC |
| Insulation strength | ≥ 500 MΩ |
| Plugging cycles | 750 |
| Approvals | CURUS |
| | |

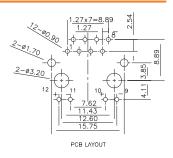












Ordering data

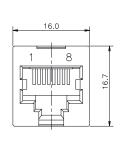
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|------------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 R1V 3.2N4G/Y TY | THT/THR solder connection | | none | Yes | Cat. 5 | Tray | 120 | 2516380000 |
| | | | | | | | | |

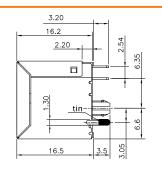


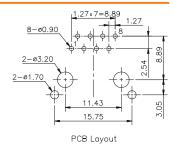
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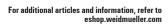




| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|----------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 R1V 3.2N4N RL | THT/THR solder connection | | none | No | Cat. 5 | Tape | 200 | 2562970000 |
| | | | | | | | | |



1x1 port, 90° (horizontal) latch down







- \bullet 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

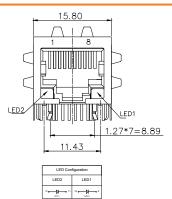
Technical data

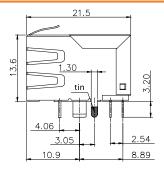
| Outgoing elbow | 90° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 9T |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Brass |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| Note | |

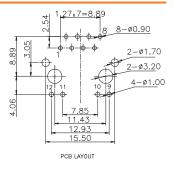
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
|----------------------------------------|------------------------|--|
| Operating temperature | -4085 °C | |
| Rated voltage | 125 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | 1000 V DC | |
| Insulation strength | ≥ 500 MΩ | |
| Plugging cycles | 750 | |
| Approvals | CURUS | |
| | | |











Ordering data

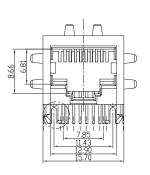
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|------------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 R1D 3.2E4G/Y RL | THT/THR solder connection | bottom | 6 tabs | Yes | Cat. 5 | Tape | 200 | 2562870000 |
| | | | | | | | | |

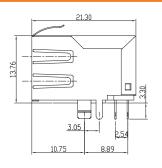


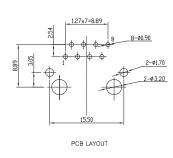
D.14 Weidmüller ₹ 2977770000







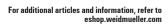




| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|----------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 R1D 3.3E4N RL | THT/THR solder connection | bottom | 6 tabs | No | Cat. 5 | Tape | 200 | 2562910000 |
| | | | | | | | | |

90°

1x1 port, 90° (horizontal) latch up







- \bullet 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- \bullet Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

Technical data

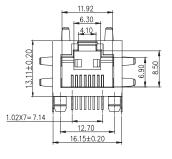
| Outgoing elbow | 90° | |
|-----------------------------|-------------------|--|
| Pitch | 1.27 mm | |
| Type of insulation material | PA 9T | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Moisture Level (MSL) | 1 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |
| Contact base material | Phosphorus bronze | |
| Note | | |

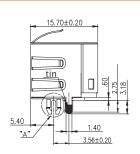
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au |
|----------------------------------------|------------------------|
| Operating temperature | -4085 °C |
| Rated voltage | 125 V |
| Rated current | 1.5 A |
| Dielectric strength, contact / contact | 1000 V DC |
| Insulation strength | ≥ 500 MΩ |
| Plugging cycles | 750 |
| Approvals | CURUS |
| | |

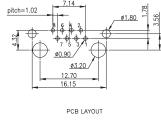












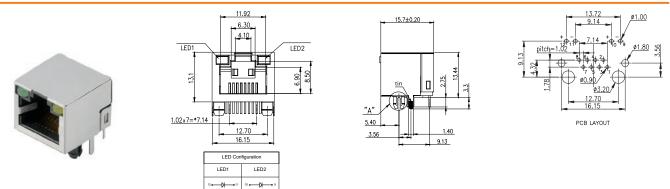
Ordering data

| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|----------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 R1U 2.8E4N RL | THT/THR solder connection | bottom | 6 tabs | No | Cat. 5 | Tape | 200 | 2562930000 |
| | | | | | | | | |



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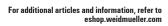


2977770000

| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|------------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 R1U 2.8N4G/Y RL | THT/THR solder connection | top | none | Yes | Cat. 5 | Таре | 200 | 2562950000 |
| | | | | | | | | |

90°

1x1 port, 180° (vertical)







- \bullet 360° shielding

- Contact surface 30µ" (0.76µm) Au ≥750 plugging cycles Extended temperature range: -40 °C to +85 °C
- For manual assembly
- Optimised package sizes
- Other variations on request

Technical data

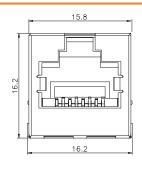
| Outgoing elbow | 180° | |
|-----------------------------|----------------------|--|
| Pitch | 1.27 mm | |
| Type of insulation material | PA 66 | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Shielding material | Brass, nickel-plated | |
| Shield surface | nickel-plated | |
| Contact base material | | |
| | | |

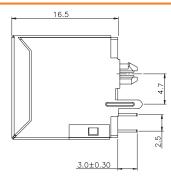
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au |
|----------------------------------------|------------------------|
| Operating temperature | -4085 °C |
| Rated voltage | 125 V |
| Rated current | 1.5 A |
| Dielectric strength, contact / contact | 1000 V DC |
| Insulation strength | ≥ 500 MΩ |
| Plugging cycles | 750 |
| Approvals | CURUS |

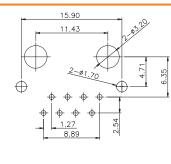
Note











Ordering data

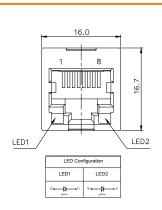
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------------|-----------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45C6 T1V 3.0N4N TY | THT solder connection | | none | No | Cat. 6 | Tray (manual assembly) | 160 | 2626050000 |
| Other versions on request | | | | | | | | |

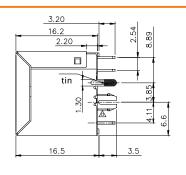


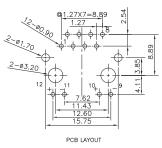
Weidmüller 🏖 2977770000









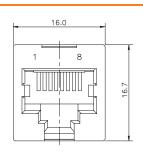


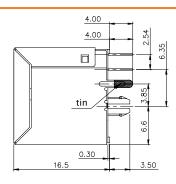
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|------------------------|-----------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45C5 T1V 3.2N4G/Y TY | THT solder connection | | none | Yes | Cat. 5 | Tray (manual assembly) | 120 | 2562960000 |

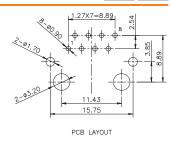












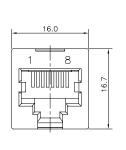
Ordering data

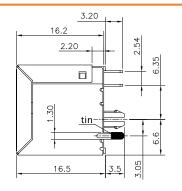
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|----------------------|-----------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45C5 T1V 4.0N4N TY | THT solder connection | | none | No | Cat. 5 | Tray (manual assembly) | 120 | 2436450000 |
| | | | | | | | | |

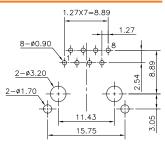










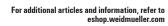


Ordering data

| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 T1V 3.2N4N TY | THT solder connection | | none | No | Cat. 5 | Tray | 120 | 1433810000 |
| Other versions on request | | | | | | | | |

2977770000 **Weidmüller № D.19**

1x1 port, 90° (horizontal) latch down







- \bullet 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- \bullet Extended temperature range: -40 °C to +85 °C
- For manual assembly
- Optimised package sizes
- Other variations on request

Technical data

| Outgoing elbow | 90° | |
|-----------------------------|-------------------|--|
| Pitch | 1.27 mm | |
| Type of insulation material | PA 66 | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Shielding material | Copper alloy | |
| Shield surface | nickel-plated | |
| Contact base material | Phosphorus bronze | |

| Type of insulation material | PA 66 |
|-----------------------------|-------------------|
| Colour | black |
| UL 94 flammability rating | V-0 |
| Shielding material | Copper alloy |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| | |

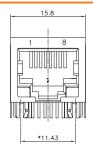
| ш | ш | LG |
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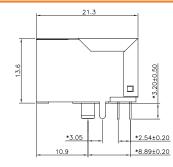
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
|----------------------------------------|------------------------|--|
| Operating temperature | -4085 °C | |
| Rated voltage | 125 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | 1000 V DC | |
| Insulation strength | ≥ 500 MΩ | |
| Plugging cycles | 750 | |
| Approvals | CURUS | |
| | | |

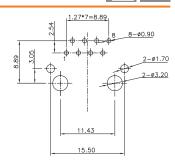












Ordering data

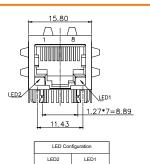
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 T1D 3.3N4N TY | THT solder connection | bottom | none | No | Cat. 5 | Tray | 120 | 1433800000 |
| Other versions on request | | | | | | | | |

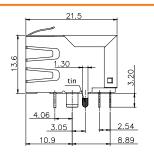


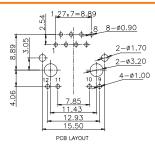
Weidmüller 🏖 2977770000 D.20









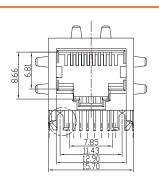


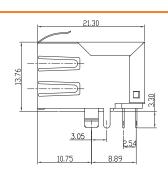
| | he PCB Latch option | on Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-----------------------------------------|---------------------|----------------|-----|----------------------|------------------------|------|------------|
| RJ45C5 T1D 3.2E4G/Y TY THT solder conne | ction bottom | 6 tabs | Yes | Cat. 5 | Tray (manual assembly) | 140 | 2562820000 |

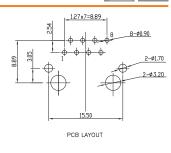






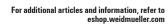






| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|----------------------|-----------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45C5 T1D 3.3E4N TY | THT solder connection | bottom | 6 tabs | No | Cat. 5 | Tray (manual assembly) | 120 | 2562900000 |
| | | | | | | | | |

1x1 port, 90° (horizontal) latch up







- \bullet 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- \bullet Extended temperature range: -40 °C to +85 °C
- For manual assembly
- Optimised package sizes
- Other variations on request

Technical data

| Outgoing elbow | 90° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 66 |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Shielding material | Copper alloy |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| | |

| UL 94 flammability rating | V-0 |
|---------------------------|-------------------|
| Shielding material | Copper alloy |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| | |

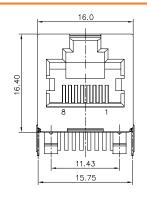
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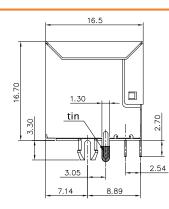
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
|----------------------------------------|------------------------|--|
| Operating temperature | -4085 °C | |
| Rated voltage | 125 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | ≥ 1000 V DC | |
| Insulation strength | ≥ 500 MΩ | |
| Plugging cycles | 750 | |
| Approvals | CURUS | |
| | | |

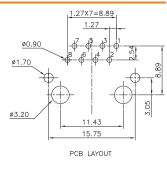












Ordering data

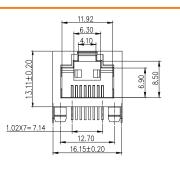
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C6 T1U 2.7N4N TY | THT solder connection | top | none | No | Cat. 6 | Tray | 160 | 1433910000 |
| Other versions on request | | | | | | | | |

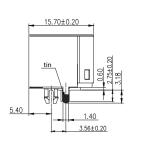


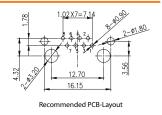
Weidmüller 🏖 2977770000









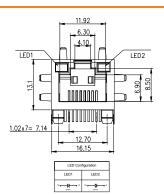


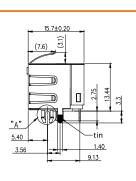
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|----------------------|-----------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45C5 T1U 2.8N4N TY | THT solder connection | top | none | No | Cat. 5 | Tray | 140 | 1455240000 |
| | | | | | | | | |

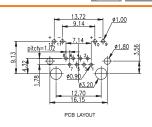












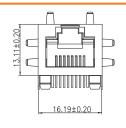
Ordering data

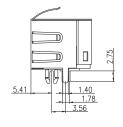
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|------------------------|-----------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45C5 T1U 2.8E4G/Y TY | THT solder connection | top | 6 tabs | Yes | Cat. 5 | Tray (manual assembly) | 140 | 2562880000 |

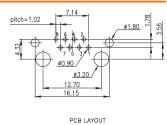










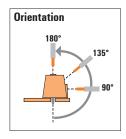


Ordering data

| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|----------------------|-----------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45C5 T1U 2.8E4N TY | THT solder connection | top | 6 tabs | No | Cat. 5 | Tray (manual assembly) | 140 | 2562920000 |
| | | | | | | | | |

2977770000 **Weidmüller № D.23**

http://www.OMNIMATE.net





RJ45 transformer jacks

| no45 transformer jacks | Mounting onto the PCB | Reference picture | Outgoing elbow/ Latch option | Shield tabs | LED (left/ right) | Performance category |
|----------------------------------------|------------------------|-------------------|----------------------------------------|----------------|----------------------|-------------------------|
| With magnetics Shielded | SMT-soldering process | | 90° horizontal/latch down | No | No | 10/100 Mbit/s |
| • Contact surface 30µ" Au | | | | No | YG/YG | 1000 MBit/s |
| • temperature range: –40°C to +85°C | | | 180° vertical | No | YG/YG | 10/100 Mbit/s |
| 10 5 15 65 5 | | 1-1-1 | | No | Y/G | 10/100 Mbit/s |
| | | | | Yes | No | 1000 MBit/s |
| | 8 8 8 | | 90° liegend/latch down | Yes | G/Y | 1000 MBit/s |
| | THR | | | Yes | No | 10/100 Mbit/s |
| | | | | Yes | G/Y | 10/100 Mbit/s |
| 100 | THR-soldering process | | | No | Y/G | 10/100 Mbit/s |
| | | | | Yes | YG/YG | 1000 MBit/s |
| | | | 90° horizontal/latch down | Yes | G/Y | 1000 MBit/s |
| | | | Multiport | No | YG/YG | 1000 MBit/s |
| | | | | No | G/Y | 10/100 Mbit/s |
| | WAVE | I. M. | 90° horizontal/latch down | Yes | No | 10/100 Mbit/s |
| | | | Multiport | Yes | G/Y | 10/100 Mbit/s |
| | Wave soldering process | | 90° horizontal/latch down Multiport | Yes | G/Y | 10/100 Mbit/s |

D.24 Weidmüller ₹ 2977770000

| Packaging | Order No. | Туре |
|-----------|------------|-------------------------------|
| Таре | 2564450000 | RJ45M S1D DE4N RL |
| Таре | 2562160000 | RJ45G R1V 1.9N4YG/YG RL |
| Таре | 2562150000 | RJ45M R1V 1.9N4YG/YG RL |
| Tray | 2461070000 | RJ45M R1V 3.3N4Y/G TY |
| Tape | 2564440000 | RJ45G1 R1D 3.2E4N RL |
| Tray | 2544510000 | RJ45G1 R1D 3.3E4G/Y TY |
| Tape | 2564430000 | RJ45M R1D 3.2E4N RL |
| Таре | 2564410000 | RJ45M R1D 3.3E4G/Y RL |
| Tray | 2461060000 | RJ45M R1D 3.3N4Y/G TY |
| Tape | 2036510000 | RJ45G1 R12D 3.3E4YG/ YG RL |
| Tray | 2544500000 | RJ45G1 R12D 3.3E4G/Y TY |
| Tape | 2485370000 | RJ45G1 R12D 3.3N4YG/ YG RL |
| Tape | 2551900000 | RJ45M R12D 3.2N4G/Y RL |
| Tray | 2474160000 | RJ45M T1D 3.2E4N TY |
| Tray | 2563850000 | RJ45M T1D 3.3E4G/Y TY |
| Таре | 2036460000 | RJ45M T12D 3.3E4G/Y RL |

| RJ45 | G1 | R | 1 | |] [| 3.2 | E | 4 | GY/GY | TY |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------|-----------------------------------|--------------------------------------|-------------------------------------|------------------------------------------|-----------------------------------|---|-------|----|
| Performance Category C5 Category 5 C6 Category 6 C6A Category 6A C5e Category 5e M 10/100 Mbit G1 10/100/1000 Mbit G1 10 Gbit U Unshielded MP 10/100 Mbit with POE MP+ 10/100 Mbit with POE Assembly on PCB R Through Hole Reflow - The Soldering process: Wave expended to the soldering Soldering process: Reflow Through Hole Technology Soldering process: Wave Soldering Process: Wave Soldering Process: Reflow Tours Hole Technology Soldering process: Wave Soldering Process: Wave | IR or Reflow y - SMT soldering | | | | | | | | | |
| Number of Ports 1 1 Port 12; 14; multi ports side by 21; 41; multi ports about Direction, latch style U Horizontal (90°, side entry) U Vertical (180°, top entry) Y Diagonal (45°), latch up | each other, N | Multile | vel | | | | | | | |
| | | | 3.2 3 1.6 1 | er Pin 3.2 mn 1.6 mn SMD | | 1 | | | | |
| | | | E E : N N Cont : | = with = with act su = 3µ", | EMI ta nout EM u rface | /II tabs thickn 1", 3 = | ess | | | |
| | | | Y/G G/Y GY/G' O/G R/O | Gree Y Gree Orai Red (f | en-Yell nge/Gr /Oranç | low (st ow/Gre een je combir | andard) een-Yelld nations (| |) | |
| | | | TY 1 | | | | assemb nated as | | | |

2977770000 **Weidmüller** ₹ **D.25**

1x1 port, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- $\bullet\,$ Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- · Other variations on request

For additional articles and information, refer to eshop.weidmueller.com



| 21 | | | - | | | |
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Inductance 350 μ H min. at 100 kHz, 100 mV, 8 mA DC Bias

 Leakage Inductance
 0.3 μH max. at 100 kHz,100 mV

 Insertion Loss
 1.1 dB max. at (1 - 100) MHz

 Return Loss
 18 dB min. at (1 - 30) MHz

 16 dB min. at (30 - 60) MHz

 12 dB min. at (60 - 80) MHz

Cross Talk 30 dB min. at (1 - 100) MHz
Common Mode Rejection 30 dB min. at (1 - 100) MHz

Technical data

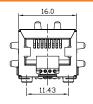
| Outgoing elbow | 90° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 9T |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Brass |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| Note | |

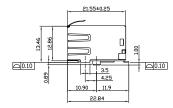
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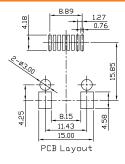


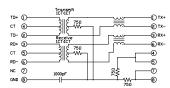


















2977770000 **Weidmüller** ₹ **D.27**

1x1 port, 180° (vertical)



- With integrated magnetics
- 360° shielding
- Contact surface 30μ" (0.76μm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- Optimised package sizes
- Other variations on request

For additional articles and information, refer to eshop.weidmueller.com



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| | | | | | | | |

Inductance 350 µH min. at 100 kHz, 100 mV, 8 mA DC Bias

Leakage Inductance 0.3 µH max. at 100 kHz, 100 mV
Insertion Loss 1.1 dB max. at (1 - 100) MHz

Return Loss 18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz

Cross Talk 30 dB min. at (1 - 100) MHz

Common Mode Rejection 30 dB min. at (1 - 100) MHz

Technical data

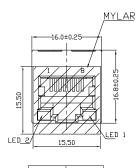
| Outgoing elbow | 180° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 9T |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Brass |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| Note | |

| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
|----------------------------------------|------------------------|--|
| Operating temperature | -4085 °C | |
| Rated voltage | 125 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | 1000 V DC | |
| Insulation strength | | |
| Plugging cycles | 750 | |
| Approvals | CURUS | |
| | | |

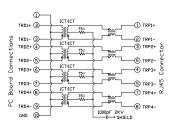


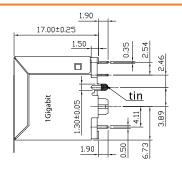


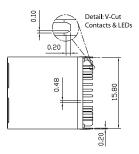


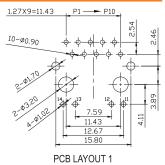


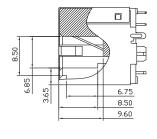












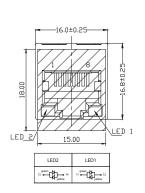


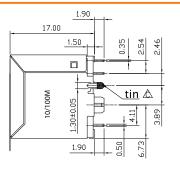


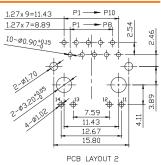


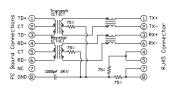


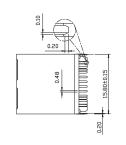


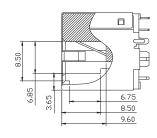










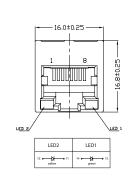


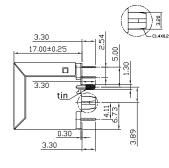
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45M R1V 1.9N4YG/YG RL | THT/THR solder connection | | none | Yes | 10/100 MBit/s | Tape | 200 | 2562150000 |

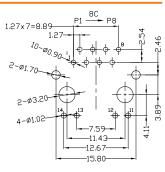




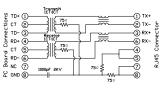


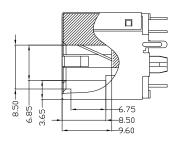


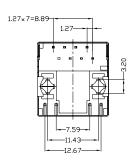




PCB LAYOUT







Ordering data

| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-----------------------|---------------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45M R1V 3.3N4Y/G TY | THT/THR solder connection | | none | Yes | 10/100 MBit/s | Tray (manual assembly) | 120 | 2461070000 |

Weidmüller ₹ D.29 2977770000

1x1 port, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- · Optimised package sizes
- Other variations on request

For additional articles and information, refer to



| 21 | | | | | | |
|-----|-----|----|----|----|----|----|
| Cha | ara | CŤ | er | IS | tı | CS |

350 µH min. at 100 kHz, Inductance 100 mV, 8 mA DC Bias Leakage Inductance $0.3~\mu H$ max. at 100~kHz,100~mVInsertion Loss 1.1 dB max. at (1 - 100) MHz Return Loss

18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz

Cross Talk 30 dB min. at (1 - 100) MHz

Common Mode Rejection 30 dB min. at (1 - 100) MHz

Technical data

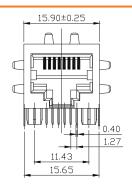
| Outgoing elbow | 90° | |
|-----------------------------|-------------------|--|
| Pitch | 1.27 mm | |
| Type of insulation material | PA 9T | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |
| Contact base material | Phosphorus bronze | |
| | | |

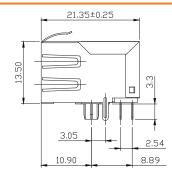
| Layer structure of plug contact | 3080 μ" Ni / ≥ 30 μ" Au |
|----------------------------------------|-------------------------|
| Operating temperature | -4085 °C |
| Rated voltage | 125 V |
| Rated current | 1.5 A |
| Dielectric strength, contact / contact | 1000 V DC |
| Insulation strength | |
| Plugging cycles | 750 |
| Approvals | CURUS |
| | |

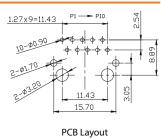
Note

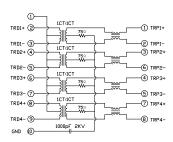


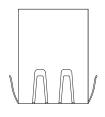










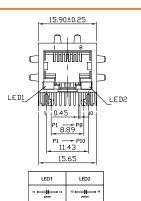


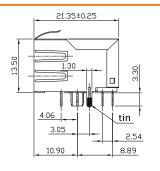


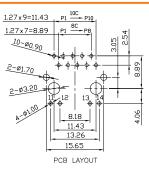


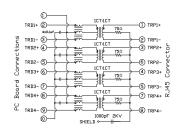








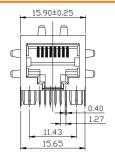


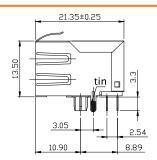


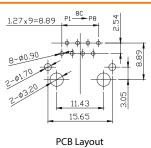
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|------------------------|---------------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45G1 R1D 3.3E4G/Y TY | THT/THR solder connection | bottom | 6 tabs | Yes | 1000 Mbps | Tray (manual assembly) | 120 | 2544510000 |

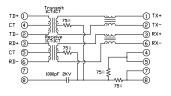














Ordering data

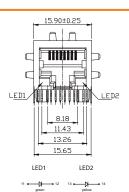
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|---------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45M R1D 3.2E4N RL | THT/THR solder connection | bottom | 6 tabs | No | 10/100 MBit/s | Tape | 200 | 2564430000 |

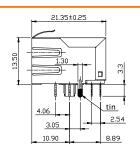
2977770000 **Weidmüller ₹ D.31**

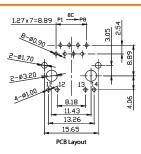


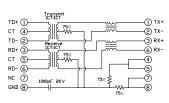












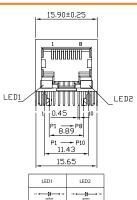


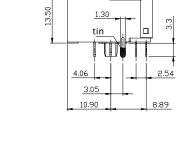
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-----------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45M R1D 3.3E4G/Y RL | THT/THR solder connection | bottom | 6 tabs | Yes | 10/100 MBit/s | Tape | 200 | 2564410000 |
| | | | | | | | | |



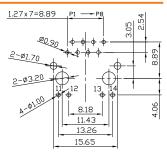




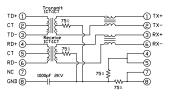




21.35±0.25



PCB Layout



Ordering data

| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-----------------------|---------------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45M R1D 3.3N4Y/G TY | THT/THR solder connection | bottom | none | Yes | 10/100 MBit/s | Tray (manual assembly) | 120 | 2461060000 |
| | | | | | | | | |

Weidmüller 🐔 2977770000 D.32

2977770000 **Weidmüller № D.33**

1x2 multiport, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- $\bullet\,$ Extended temperature range: -40 °C to +85 °C
- For fully automated assembly (tape-on-reel) or manual assembly (tray)
- · Optimised package sizes
- Other variations on request

For additional articles and information, refer to eshop.weidmueller.com



| 21 | | | | | | |
|-----|-----|----|----|----|----|----|
| Cha | ara | CŤ | er | IS | tı | CS |

350 µH min. at 100 kHz, Inductance 100 mV, 8 mA DC Bias Leakage Inductance $0.3~\mu H$ max. at 100~kHz,100~mVInsertion Loss 1.1 dB max. at (1 - 100) MHz

Return Loss 18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz

Cross Talk 30 dB min. at (1 - 100) MHz

Common Mode Rejection 30 dB min. at (1 - 100) MHz

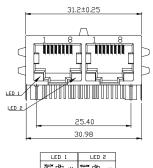
Technical data

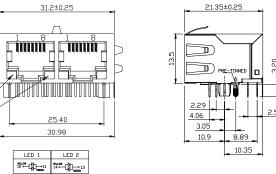
| Outgoing elbow | 90° |
|-----------------------------|-------------------|
| Pitch | 1.27 mm |
| Type of insulation material | PA 9T |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Brass |
| Shield surface | nickel-plated |
| Contact base material | Phosphorus bronze |
| Note | |

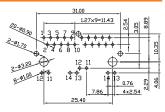
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
|----------------------------------------|------------------------|--|
| Operating temperature | -4085 °C | |
| Rated voltage | 125 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | 1000 V DC | |
| Insulation strength | | |
| Plugging cycles | 750 | |
| Approvals | CURUS | |
| | | |

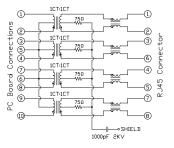












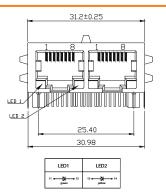


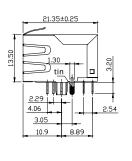


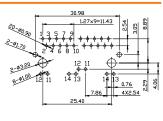


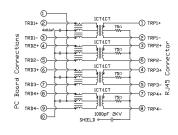












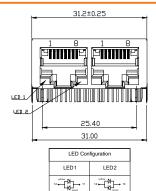


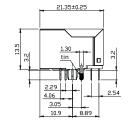
| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|---------------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45G1 R12D 3.3E4G/Y TY | THT/THR solder connection | bottom | 6 tabs | Yes | 1000 Mbps | Tray (manual assembly) | 80 | 2544500000 |

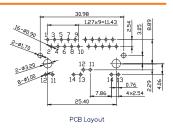












| 750 |
|-----|
|-----|

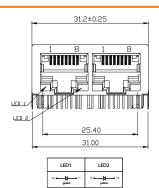
Ordering data

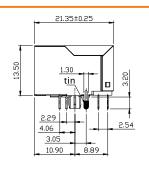
| RJ45G1 R12D 3.2N4YG/YG RL THT/THR solder connection bottom none Yes 1000 Mbps Tape 200 | Order No. |
|-----------------------------------------------------------------------------------------------------|------------|
| 10430111120 0.214410/10 ILC 1111/11111 301001 COIIIICCIIOII BORROIII IIOIIC 103 1000 Nibps 1apc 200 | 2485370000 |

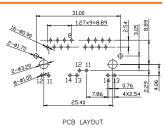
2977770000 **Weidmüller № D.35**

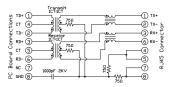












| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|------------------------|---------------------------|--------------|-------------|-----|----------------------|-----------|------|------------|
| RJ45M R12D 3.2N4G/Y RL | THT/THR solder connection | bottom | none | Yes | 10/100 MBit/s | Tape | 200 | 2551900000 |
| | | | | | | | | |



D.36 Weidmüller ₹ 2977770000

2977770000 **Weidmüller** ₹ **D.37**

1x1 port, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For or manual assembly (tray)
- Optimised package sizes
- . Other variations on request

For additional articles and information, refer to eshop.weidmueller.com



| - | | | | | | |
|----|----|----|----|----|----|-----|
| Uh | ar | ac | te | rı | st | ics |

Inductance 350 μH min. at 100 kHz, 100 mV, 8 mA DC Bias Leakage Inductance 0.3 μH max. at 100 kHz,100 mV

Insertion Loss 1.1 dB max. at (1 - 100) MHz
Return Loss 18 dB min. at (1 - 30) MHz
16 dB min. at (30 - 60) MHz
12 dB min. at (60 - 80) MHz
Cross Talk 30 dB min. at (1 - 100) MHz

Common Mode Rejection 30 dB min. at (1 - 100) MHz

Technical data

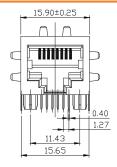
| Outgoing elbow | 90° | |
|-----------------------------|-------------------|--|
| Pitch | 1.27 mm | |
| Type of insulation material | PA 66 | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |
| Contact base material | Phosphorus bronze | |
| | | |

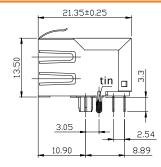
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au |
|----------------------------------------|------------------------|
| Operating temperature | -4085 °C |
| Rated voltage | 125 V |
| Rated current | 1.5 A |
| Dielectric strength, contact / contact | 1000 V DC |
| Insulation strength | |
| Plugging cycles | 750 |
| Approvals | CURUS |
| | |

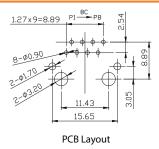
Note

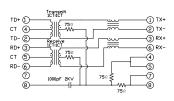












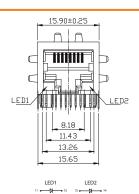


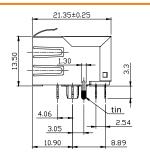


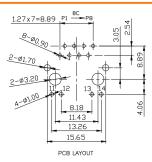


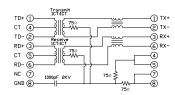












| Туре | Mounting onto the PCB | Latch option | Shield tabs | LED | Performance-Category | Packaging | Qty. | Order No. |
|-----------------------|-----------------------|--------------|-------------|-----|----------------------|------------------------|------|------------|
| RJ45M T1D 3.3E4G/Y TY | THT solder connection | bottom | 6 tabs | Yes | 10/100 MBit/s | Tray (manual assembly) | 120 | 2563850000 |
| | | | | | | | | |

90°

1x2 multiport, 90° (horizontal) latch down



- With integrated magnetics
- 360° shielding
- Contact surface 30µ" (0.76µm) Au
- ≥750 plugging cycles
- Extended temperature range: -40 °C to +85 °C
- For fully automatic assembly (tape-on-reel)
- Optimised package sizes
- · Other variations on request

For additional articles and information, refer to eshop.weidmueller.com



| 21 | | | - | | | |
|----|----|----|---|---|-----|----|
| Mî | ar | ar | П | Ш | sti | CS |
| - | | | | w | | |

350 µH min. at 100 kHz, Inductance 100 mV, 8 mA DC Bias

Leakage Inductance $0.3~\mu H$ max. at 100~kHz,100~mVInsertion Loss 1.1 dB max. at (1 - 100) MHz Return Loss 18 dB min. at (1 - 30) MHz 16 dB min. at (30 - 60) MHz 12 dB min. at (60 - 80) MHz

Cross Talk 30 dB min. at (1 - 100) MHz Common Mode Rejection 30 dB min. at (1 - 100) MHz

Technical data

| Outgoing elbow | 90° | |
|-----------------------------|-------------------|--|
| Pitch | 1.27 mm | |
| Type of insulation material | PA 66 | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |
| Contact base material | Phosphorus bronze | |
| | | |

| | Layer struct |
|--|---------------|
| | Operating to |
| | Rated volta |
| | Rated curre |
| | Dielectric st |
| | Insulation s |
| | Plugging cy |
| | Approvals |

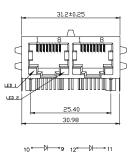
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au |
|----------------------------------------|------------------------|
| Operating temperature | -4085 °C |
| Rated voltage | 125 V |
| Rated current | 1.5 A |
| Dielectric strength, contact / contact | 1000 V DC |
| Insulation strength | |
| Plugging cycles | 750 |
| Approvals | CURUS |

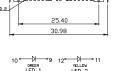
Note

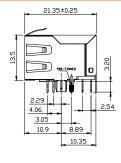


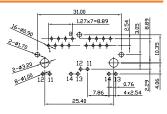


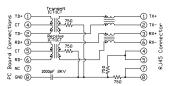
















OMNIMATE® Data – USB

| OMNIMATE® Data – USB | Explanation | E.2 | |
|----------------------|--------------------------------------|------|--|
| | Quick selection | E.4 | |
| | USB jacks for SMT soldering process | E.6 | |
| | USB jacks for THR soldering process | E.10 | |
| | USB jacks for wave soldering process | E.12 | |

2977770000 **Weidmüller** ₹ E.1

OMNIMATE® Data USB jacksReliable data interfaces for your device

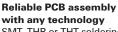
Plug-in connectors and jacks for data transmission are already an integral part of the future-proof device design. In the industrial environment, they have to stand up to exacting requirements and the ever-increasing data transmission rates demand high-quality on individual components.

Our broad portfolio of Type A, Type B and Type C USB circuit board jacks for the 2.0, 3.0 and 3.1 transmission standards thus guarantees a high level of data transfer rate, robust plug & play operation and a reliable circuit board assembly using the SMT, THT or THR soldering process.

Reinforced gold surface

up to 10.000 mating cycles meet the requirements for high durability





SMT, THR or THT soldering method; Tape on Reel or assembly by hand (Tray)

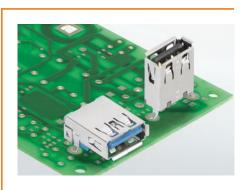




E.2 Weidmüller 🏖

Variable outlet directions

The 90°/180° variants allow optimum adaptation to the various housing formats



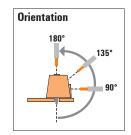
USB 3.1 jacks support a data rate up to 10 Gbit/s

For fast data transmission: USB 3.1 Hosts and devices are generally backwards compatible with version 2.0, which makes a flexible use possible



2977770000 **Weidmüller ₹ E.3**

http://www.OMNIMATE.net

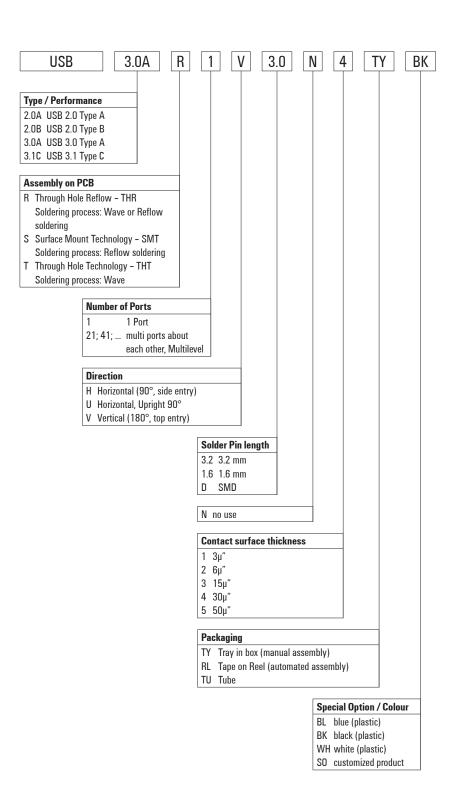




USB 2.0 to 3.1 jacks

| USB 2.0 to 3.1 jacks | | | | | | | |
|---------------------------------------------|-----------------------------|-------------------|----------------|-------------|-----------|------------|---------------------------|
| | Mounting | D. () | Outgoing | Performance | | 0 1 11 | _ |
| | onto the PCB | Reference picture | elbow | category | Packaging | Order No. | Туре |
| Rated current up to 1.5 A • Type A, B and C | SMT-soldering process | No. | 180° vertical | 10 Gbit/s | Reel | 2987540000 | USB3.1C S1V DN1 RL |
| • Up to 10000 mating cycles | | | 90° horizontal | 10 Gbit/s | Reel | 2987560000 | USB3.1C S1H DN1 RL |
| • Backwards compatible | | n 2 | 180° vertical | 480 Mbit/s | Reel | 2762070000 | USB-MIC2.0B S1V 1N1 RL BK |
| | | | 180° vertical | 480 Mbit/s | Tray | 2878140000 | USB2.0A S1V 0.8N4 RL BK |
| | | E. | 90° horizontal | 480 Mbit/s | Tray | 2563720000 | USB2.0A S1H 1.4N4 TY BK |
| | THR-soldering process | | 180° vertical | 480 Mbit/s | Tray | 2563730000 | USB2.0A R1V 2.5N4 TY BK |
| | | | 180° vertical | 5 Gbit/s | Tray | 1549730000 | USB3.0A R1V 3.0N2 TY BL |
| | | | 90° horizontal | 480 Mbit/s | Tray | 2878150000 | USB2.0A R1H 2.5N4 RL BK |
| | WAVE Wave soldering process | | 180° vertical | 480 Mbit/s | Tray | 1985910000 | USB2.0A T1V 2.5N4 TY BK |
| | | | 90° horizontal | 480 Mbit/s | Tray | 2563710000 | USB2.0A T1H 2.5N4 TY BK |
| | | | 90° horizontal | 5 Gbit/s | Tray | 2563550000 | USB3.0A T1H 2.3N4 TY BL |
| | | | 180° vertical | 480 Mbit/s | Tray | 2710810000 | USB2.0B T1V 3.0N4 TY BK |
| | | | 90° horizontal | 480 Mbit/s | Tray | 2698610000 | USB2.0B T1H 2.8N4 TY BK |

E.4 Weidmüller ₹ 2977770000



Typ 3.1 C, 90° (horizontal)



For additional articles and information, refer to eshop.weidmueller.com

- Up to 10,000 mating cyclesUp to 10 GbpsAutomation-ready packaging

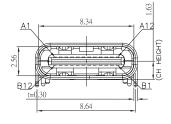
Technical data

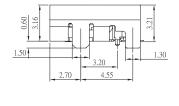
| Outgoing elbow | 90° | |
|-----------------------------|---------------|--|
| Pitch | 0.50 mm | |
| Type of insulation material | LCP | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Moisture Level (MSL) | 1 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |

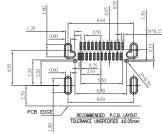
| Contact base material | Copper alloy | |
|----------------------------------------|--------------|--|
| Layer structure of plug contact | | |
| Operating temperature | -4080 °C | |
| Rated voltage | 5 V | |
| Rated current | 1.25 A | |
| Dielectric strength, contact / contact | 750 V AC | |
| Insulation strength | ≥ 100 MΩ | |
| | | |

Note









Ordering data

| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|--------------------|-----------------------|-----------------|----------------------|-----------|------|------------|
| USB3.1C S1H DN1 RL | SMD solder connection | ≥ 10000 | 10 Gbit/s | Reel | 1050 | 2987560000 |
| | | | | | | |

Weidmüller 🏖 2977770000

Typ 3.1 C, 180° (vertical)







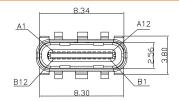
- Up to 10,000 mating cyclesUp to 10 GbpsAutomation-ready packaging

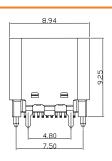
Technical data

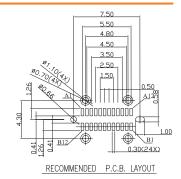
| Outgoing elbow | 180° | |
|-----------------------------|------------------------|--|
| Pitch | 0.50 mm | |
| Type of insulation material | LCP | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Moisture Level (MSL) | 1 | |
| Shielding material | Stainless steel, Brass | |
| Shield surface | nickel-plated | |
| | | |

| Contact base material | Copper alloy | |
|----------------------------------------|--------------|--|
| Layer structure of plug contact | | |
| Operating temperature | -3080 °C | |
| Rated voltage | 5 V | |
| Rated current | 1.25 A | |
| Dielectric strength, contact / contact | 750 V AC | |
| Insulation strength | ≥ 100 MΩ | |
| | | |





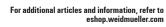




Ordering data

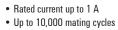
| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|--------------------|-----------------------|-----------------|----------------------|-----------|------|------------|
| USB3.1C S1V DN1 RL | SMD solder connection | ≥ 10000 | 10 Gbit/s | Reel | 450 | 2987540000 |
| | | | | | | |

Typ Micro 2.0 B, 180° (vertical)









Technical data

| Outgoing elbow | 180° |
|-----------------------------|-----------------|
| Pitch | 0.65 mm |
| Type of insulation material | LCP |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Moisture Level (MSL) | 1 |
| Shielding material | Stainless steel |
| Shield surface | nickel-plated |
| | |

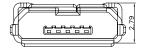
| UL 94 flammability rating | V-U | |
|---------------------------|-----------------|--|
| Moisture Level (MSL) | 1 | |
| Shielding material | Stainless steel | |
| Shield surface | nickel-plated | |
| | | |
| | | |

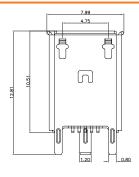
| ш | Off | |
|---|-----|--|
| | | |

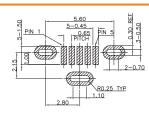
| Copper-alloy |
|--------------|
| ≤ 1 µ" Au |
| -3080 °C |
| 48 V |
| 1 A |
| 100 V AC |
| ≥ 100 MΩ |
| |











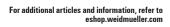
Ordering data

| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|---------------------------|-----------------------|-----------------|----------------------|-----------|------|------------|
| USB-MIC2.0B S1V 1N1 RL BK | SMD solder connection | ≥ 10000 | 480 Mbps | Tape | 2000 | 2762070000 |
| | | | | | | |



Weidmüller 🛣 2977770000

Type 2.0 A, 90° (horizontal)







- Rated current up to 1.5 A
- \geq 1500 plugging cycles
- Downward compatible

Technical data

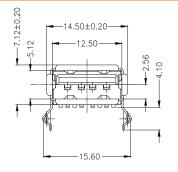
| Outgoing elbow | 90° | |
|-----------------------------|---------------|--|
| Pitch | 2.00 mm | |
| Type of insulation material | LCP | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Moisture Level (MSL) | 1 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |

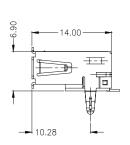
| Contact base material | Phosphorus bronze | |
|----------------------------------------|------------------------|--|
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au | |
| Operating temperature | -4085 °C | |
| Rated voltage | 30 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | 750 V AC | |
| Insulation strength | ≥ 1000 MΩ | |
| | | |

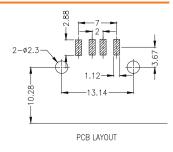
Note









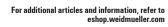


Ordering data

| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|-----------------------|-----------------|----------------------|------------------------|------|------------|
| USB2.0A S1H 1.4N4 TY BK | SMD solder connection | ≥ 1500 | 480 Mbps | Tray (manual assembly) | 100 | 2563720000 |
| | | | | | | |

90°

Type 3.0/2.0 A, 180° (vertical)







- Rated current up to 1.5 A
- ≥ 1500 plugging cycles
- Downward compatible

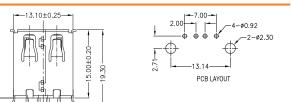
Technical data

| Outgoing elbow | 180° | |
|-----------------------------|---------------|--|
| Pitch | 2.00 mm | |
| Type of insulation material | LCP | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Moisture Level (MSL) | 1 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |

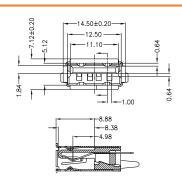
| Phosphorus bronze | |
|------------------------|--------------------------------------------------|
| 3080 μ" Ni /≥ 30 μ" Au | |
| -4085 °C | |
| 30 V | |
| 1.5 A at 250 V AC | |
| 500 V AC | |
| ≥ 1000 MΩ | |
| | 4085 °C 30 V 1.5 A at 250 V AC 500 V AC |

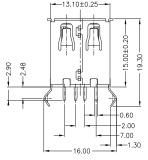
Note











Ordering data

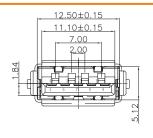
| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|---------------------------|-----------------|----------------------|------------------------|------|------------|
| USB2.0A R1V 2.5N4 TY BK | THT/THR solder connection | ≥ 1500 | 480 Mbps | Tray (manual assembly) | 100 | 2563730000 |
| | | | | | | |

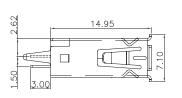


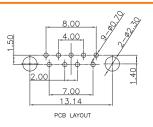
±.10 **Weidmüller ½** 2977770000









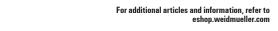


Ordering data

| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|---------------------------|-----------------|----------------------|------------------------|------|------------|
| USB3.0A R1V 3.0N2 TY BL | THT/THR solder connection | ≥ 1500 | 5 Gbps | Tray (manual assembly) | 500 | 1549730000 |
| | | | | | | |

180°

Type 3.0/2.0 A, 180° (vertical)







- Rated current up to 1.5 A
- ≥ 1500 plugging cycles
- Downward compatible

Technical data

| Outgoing elbow | 180° |
|-----------------------------|---------------|
| Pitch | 2.00 mm |
| Type of insulation material | PBT |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Shielding material | Brass |
| Shield surface | nickel-plated |

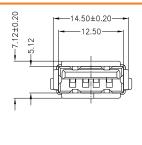
| Contact base material | Phosphorus bronze |
|----------------------------------------|-------------------------|
| Layer structure of plug contact | 3080 μ" Ni / ≥ 30 μ" Au |
| Operating temperature | -4060 °C |
| Rated voltage | 30 V |
| Rated current | 1.5 A |
| Dielectric strength, contact / contact | 500 V AC |
| Insulation strength | ≥ 1000 MΩ |

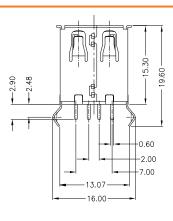
Note

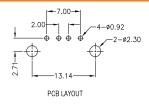












Ordering data

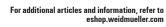
| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|-----------------------|-----------------|----------------------|------------------------|------|------------|
| USB2.0A T1V 2.5N4 TY BK | THT solder connection | ≥ 1500 | 480 Mbps | Tray (manual assembly) | 100 | 1985910000 |
| | | | | | | |



±.12 **Weidmüller ₹** 2977770000

2977770000 **Weidmüller № E.13**

Type 3.0/2.0 A, 90° (horizontal)







- Rated current up to 1.5 A
- ≥ 1500 plugging cycles
- Downward compatible

Technical data

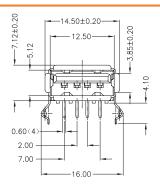
| Outgoing elbow | 90° | |
|-----------------------------|---------------|--|
| Pitch | 2.00 mm | |
| Type of insulation material | PBT | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |
| | | |

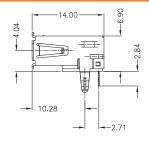
| Contact base material | Phosphorus bronze |
|----------------------------------------|------------------------|
| Layer structure of plug contact | 3080 μ" Ni /≥ 30 μ" Au |
| Operating temperature | -4085 °C |
| Rated voltage | 30 V |
| Rated current | 1.5 A at 250 V AC |
| Dielectric strength, contact / contact | 500 V AC |
| Insulation strength | ≥ 1000 MΩ |

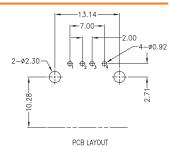
Note











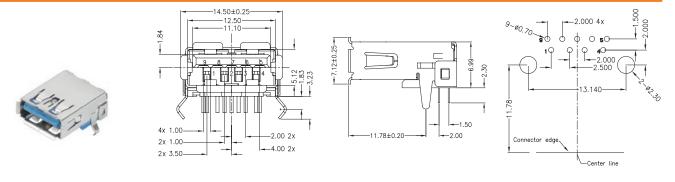
Ordering data

| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|-----------------------|-----------------|----------------------|------------------------|------|------------|
| USB2.0A T1H 2.5N4 TY BK | THT solder connection | ≥ 1500 | 480 Mbps | Tray (manual assembly) | 100 | 2563710000 |
| | | | | | | |



E.14 **Weidmüller** ₹ 2977770000

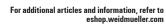




Ordering data

| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|-----------------------|-----------------|----------------------|------------------------|------|------------|
| USB3.0A T1H 2.3N4 TY BL | THT solder connection | ≥ 1500 | 5 Gbps | Tray (manual assembly) | 104 | 2563550000 |

Typ 2.0 B, 90° (horizontal)





- Rated current up to 1.5 A
- \geq 1500 plugging cycles



Technical data

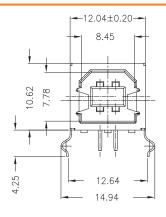
| Outgoing elbow | 90° | |
|-----------------------------|---------------|--|
| Pitch | 2.50 mm | |
| Type of insulation material | PBT | |
| Colour | black | |
| UL 94 flammability rating | V-0 | |
| Shielding material | Brass | |
| Shield surface | nickel-plated | |
| | | |

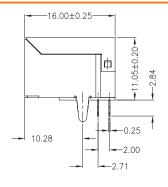
| Contact base material | Copper-alloy |
|----------------------------------------|--------------|
| Layer structure of plug contact | 30μ" Au |
| Operating temperature | -4060 °C |
| Rated voltage | 30 V |
| Rated current | 1.5 A |
| Dielectric strength, contact / contact | 500 V AC |
| Insulation strength | ≥ 1000 MΩ |

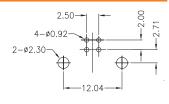
Note











Ordering data

| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|-----------------------|-----------------|----------------------|------------------------|------|------------|
| USB2.0B T1H 2.8N4 TY BK | THT solder connection | ≥ 1500 | 480 Mbps | Tray (manual assembly) | 100 | 2698610000 |
| | | | | | | |



E.16 Weidmüller ₹ 2977770000

Typ 2.0 B, 180° (vertical)

For additional articles and information, refer to eshop.weidmueller.com



- Rated current up to 1.5 A
- \geq 1500 plugging cycles



Technical data

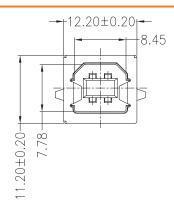
| Outgoing elbow | 180° |
|-----------------------------|---------------|
| Pitch | 2.50 mm |
| Type of insulation material | PBT |
| Colour | black |
| UL 94 flammability rating | V-0 |
| Shielding material | Brass |
| Shield surface | nickel-plated |

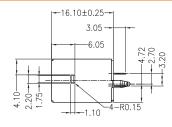
| Contact base material | Copper-alloy | |
|----------------------------------------|--------------|--|
| Layer structure of plug contact | 30μ" Au | |
| Operating temperature | -4085 °C | |
| Rated voltage | 30 V | |
| Rated current | 1.5 A | |
| Dielectric strength, contact / contact | | |
| Insulation strength | ≥ 1000 MΩ | |
| | | |

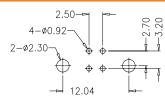
Note











Ordering data

| Туре | Mounting onto the PCB | Plugging cycles | Performance-Category | Packaging | Qty. | Order No. |
|-------------------------|-----------------------|-----------------|----------------------|------------------------|------|------------|
| USB2.0B T1V 3.0N4 TY BK | THT solder connection | ≥ 1500 | 480 Mbps | Tray (manual assembly) | 110 | 2710810000 |
| | | | | | | |



2977770000 **Weidmüller № E.17**

E.18 Weidmüller ₹ 2977770000

OMNIMATE® Signal PCB terminals

| OMNIMATE® S | ignal |
|---------------|-------|
| PCB terminals | |

| Explanation | F.2 |
|--------------------------------|------|
| Quick selection | F.14 |
| Clamping yoke screw connection | F.18 |
| Leaf spring screw connection | F.42 |
| PUSH IN spring connection | F.46 |
| Tension clamp connection | F.98 |

OMNIMATE® Signal PCB terminals

Flexible and versatile in pitches of between 3.5 mm and 10.00 mm for the wave soldering process

A wide variety of application requirements from the industrial automation and control fields are solved using the components from the comprehensive OMNIMATE® Signal PCB terminal range. You can find a suitable solution for almost any application, whether in terms of the conductor outlet direction, the pitch, the wire cross-section to be clamped, the required contact density through multi-level varieties or the sort of connection you want.

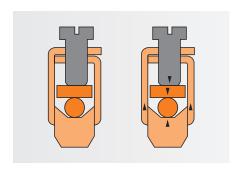
Standard-compliant integration

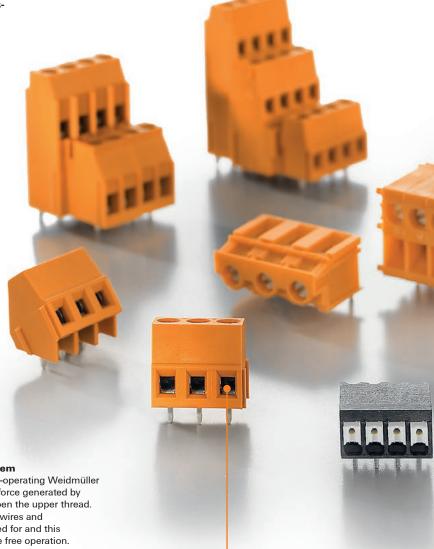
Following relevant international guidelines/standards and Weidmüller's laboratory accreditation ensure highest quality standards for use globally.



Screw connection system

The automatically counter-operating Weidmüller steel clamping yoke uses force generated by tightening the screw to open the upper thread. Settling of the connected wires and vibrations are compensated for and this guarantees a maintenance free operation. Subsequent tightening and maintenance of the screw is not needed.





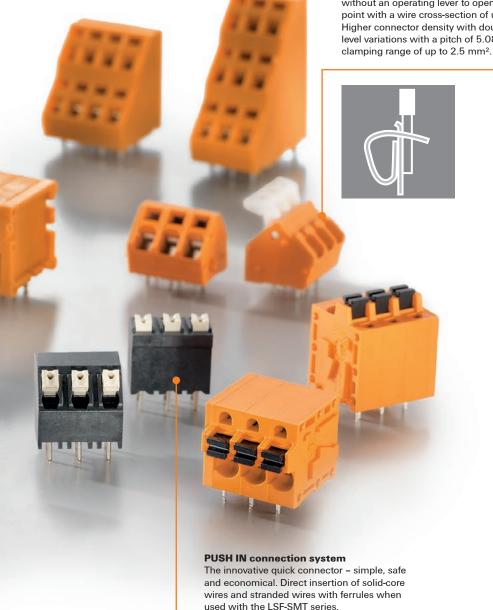
Fire resistance

The high-quality plastics used in many of the product families in the OMNIMATE® Signal product line meet the higher fire safety requirements according to the domestic appliance standard IEC 60335-1.



Tension clamp connection system

Simple and fast - the universal screw-less connector with a steel spring. Ideal for PCB installation terminals where it is important that the connections are secure. Single row, with or without an operating lever to open the terminal point with a wire cross-section of up to 2.5 mm². Higher connector density with double, or triple level variations with a pitch of 5.08 mm and

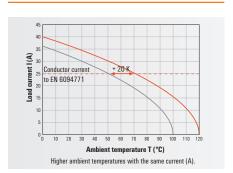


used with the LSF-SMT series.



Power reserve for safety

The high performance insulating material WEMID with a continuous operating temperature of 120 °C for higher load currents and ambient temperatures. OMNIMATE® Signal PCB terminals already exceed the standard PA working temperature (100 °C) of many product families by 20 °K. This allows more power reserves and increased safety during temperature fluctuations or overloads.



OMNIMATE® Signal PCB terminals



LSF-SMT spring connection in pitches of between 3.5 mm and 7.62 mm for the reflow soldering process (THR)

The innovative quick connector - simple, safe and economical.

Its compact dimensions and surprising performance of 17.5 A / 800 V (IEC) means that the LSF-SMT meets the market push for miniaturisation. The OMNIMATE® Signal PCB terminals LSF-SMT offer a wide pitch range from 3.5 to 7.62 mm, in various conductor outlet directions (90°/135°/180°) to the PCB for connections of wire cross-sections of up to 1.5 mm². The use of high-quality materials guarantees maximum cost effectiveness in the manufacturing of electronic assemblies.

SMT/THR process compatible

The compact design and packaging (tape-onreel) for automatic pick and place systems of SMT production lines reduces production costs of electronic components even further.





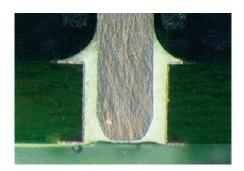
Form stability for the reflow soldering process

The high-temperature-resistant insulating material LCP used in the LSF-SMT range, is characterised by its form and dimensional stability. Due to low moisture absorption, the LSF-SMT can be immediately used in the Reflow THR soldering process without an extra drying phase. The uninterrupted production process from automated assembly to soldering is achieved saving you time and money.



Flexible processing

With a pin length of 3.5 mm for hand and wave soldering, or 1.5 mm for reflow soldering (THR), there are standard models available even for double sided assembled PCBs.



OMNIMATE® Signal PCB terminals

Fire resistance

The high-quality plastics used meet the higher fire safety requirements according to the domestic appliance standard IEC 60335-1.

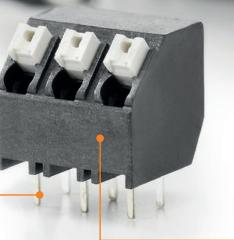


Design flexibilityWith the conductor outlet directions of 90°/135° and 180° over all pitches from 3.5 to 7.62 mm, all design options are possible.



Marking and mapping

Terminal points can be distinctively marked with coloured push buttons or individual printing.



Safe and efficient

Solid conductors or wires with ferrules up to 1.5 mm² can be connected with the rapid spring-connection technology PUSH IN. The integrated push buttons are used for releasing. Amazingly simple and simply amazing in practice.





OMNIMATE® Signal PCB terminals LSF-SMD 3.5/180 spring connection for the reflow soldering process (SMD)

The new LSF-SMD meets the demands for fully automatic PCB assembling as a surface-mounting device (SMD). Two SMD soldering pads per pole provide a high level of mechanical stability in accordance with IPC-A-610 class 2.

It is now possible for applications on glass based, ceramic based and aluminium compound based PCB's to also take advantage of PUSH IN technology. The existing portfolio of Weidmüller's reflow compatible LSF-SMT terminals with THR soldering has been expanded to include a real SMD variant.

The 3.5 mm pitch and the wire outlet direction of 180° allow a high packing density with a maximum wire cross section of 1.5 mm².





Order a sample

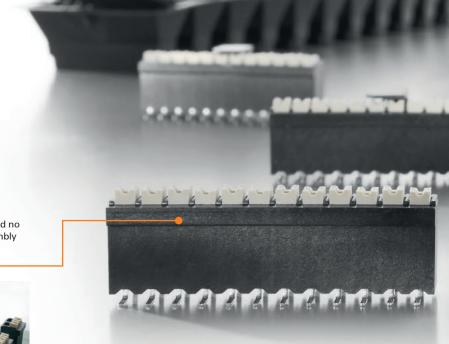
Let yourself be convinced by the LSF-SMD features. Request a free sample using.



Reliable processing

The LCP causes no formation of blisters and no predrying is required (MSL 1). Direct assembly with the SMT process is possible.







Stable soldering connections

With two solder pins per pole, the LSF-SMD PCB terminal is adequately attached to the circuit board and does not need an additional mounting flange.



Efficient assembly

An efficient automatic assembly process is supported by the tape on reel packaging in standard tape widths. The optimised Pick and Place pads ensure that the pick and place process is safe and reliable.



Fast wire connection method

Safe contact connections up to 1.5 mm² with no tools needed: made possible by the proven PUSH IN connection system. The integrated release button is used to disconnect the cable in a simple and quick manner.





OMNIMATE® Signal – PUSH IN PCB-terminal LMF

Modern connectivity technology fulfilling the high demands of design up to a conductor cross section of 2.5 mm²

Innovative developments in industrial devices means precision-fit connectivity for power supplies is needed. Your best choice is our new, compact LMF PCB terminals, which are compelling with their modern connectivity technology.

The demands on PCB terminals in industrial device applications with a supply voltage of 250 V requires an extremely reliable wire connection contact and very safe electrical insulation materials.

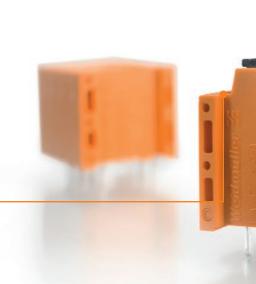
Our response to this is the LMF with time saving PUSH IN spring connection technology, an integrated test point and a 90° or 180° wire outlet direction for different applications. The Wemid insulation material allows the assembling of PCB terminals and continuous use in temperatures of up to 120 °C.

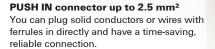
With these functions, the LMF meets the tough design requirements of industrial device connections.

Integrated test point

The required maintenance and measurement can be carried out in a safe, reliable and convenient manner.









Weidmüller 🏖

Two solder pins per pole

Benefit from the highly secure, current-carrying capacity and mechanical stability on the PCB board, without additional mounting elements.



High flexibility in your design is given by options of wire outlet directions from above (180°) or the side (90°).





Optional "pusher"

Select your preferred way of activating the PUSH IN spring connection:
Depending on your choice, you open the contacts with the integrated "pusher" or by using a screwdriver.

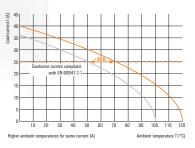


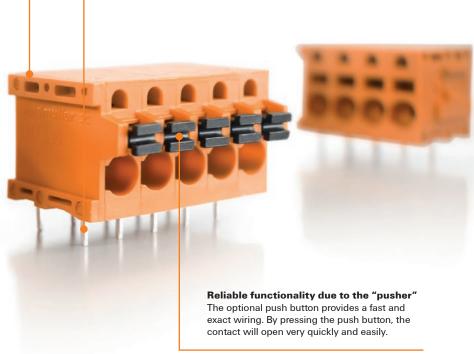


120° C continuous use temperature

In addition to fulfilling strict environmental standards, the Wemid insulation material also meets the requirement of maximum system reliability.

With a continuous use temperature of 120 °C, it exceeds the PA standard (100 °C) by 20 K.







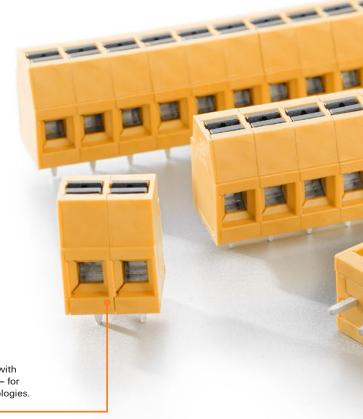
Add-on programs of PUSH IN PCB terminals are the LSF product lines

This terminal series for conductor cross-sections up to 1.5 mm² meets all the requirements of the automated assembly and reflow processes.

PUSH IN – PCB terminal

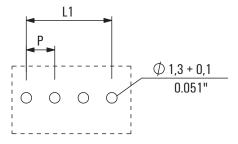
LMFV - PUSH IN terminal in pitch 5.00 and 7.50

Due to the PUSH IN connection technology, the new OMNIMATE® Signal LMFV PCB terminal blocks enable a particularly fast and safe device connection. Their layout is identical to the proven LM product family with clamping yoke connection. This gives device engineers the choice between the classic clamping yoke connection and the innovative PUSH IN connection. The LMFV PCB terminals have been optimised for wave soldering processes.



Twin-Design

Layout and design compatibility with OMNIMATE® LM PCB terminal blocks with clamping yoke connection technology – for variable use of both connection technologies.



F.10 Weidmüller ₹ 2977770000

High flexibility

Flexible selection of the connection technology makes it possible to achieve particularly precise solutions.



For standard connections with 5.00 mm pitch and also suitable for higher voltages up to 500 volts with 7.50 mm pitch.

The simple way to connect wires with cross-sections up to 1.5 mm² LS2HF with PUSH IN connection system on two connection levels

Ensuring compact dimensions through miniaturisation, while maintaining excellent functionality: these are the specific challenges faced when designing monitoring and I/O systems and devices in the field of building automation.

The new double-row OMNIMATE® Signal PCB terminal LS2HF meets both of these requirements at once thanks to the space-saving design and especially through the use of the time saving PUSH IN connection system. Optimised for wire cross-sections up to 1.5 mm² in a pitch dimension of 3.5 mm.

The LS2HF includes an integrated pusher for opening the contact in easiest way. An additional test point has also been integrated, making it easy to do necessary service measurements. The wire entry direction of 90° and the compact, double-row design of the LS2HF allows the simple integration into the front panel of a device.

PUSH IN connection

Solid wires or wires with ferrules can plugged directly thanks to the PUSH IN connection technology, which saves time and ensures an reliable connection.



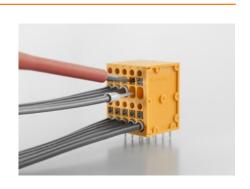
Integrated test point

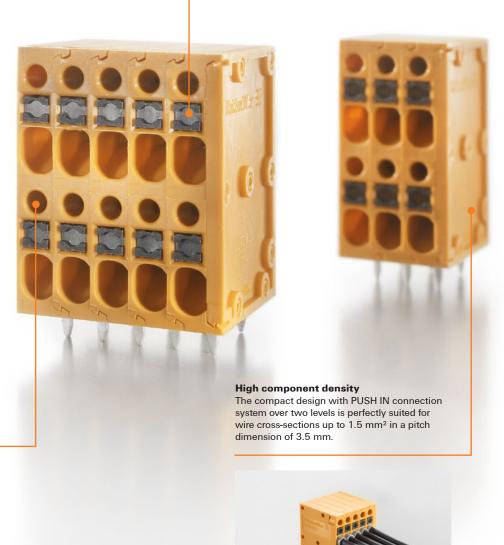
Necessary maintenance and measurements can be carried out in a safe, reliable and convenient manner.



Reliable functionality

The PUSH IN contact can be opened easily by pressing the push button in a particularly fast and unmistakable way.

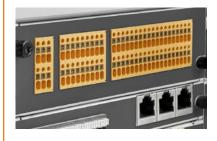




Your special advantages:

PCB connection within the smallest space

For those looking for a compact and simple connection solution for optional installation in a front panel, the double-level LS2HF will not disappoint.

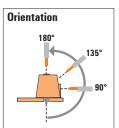




Quick and safe wiring with excellent performance: the space-saving LS2HF PCB terminal allows a perfect integration into the front panel of a device, e.g. with industrial control units and frequency converters

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http://www.OMNIMATE.net



PCB terminals

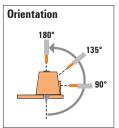
| Type of | connection | Clamping | g range | | | Туре | IEC / UL | 90° | 135° | 180° | |
|---------|----------------------------|-----------------|---------|--------------------------------------------------------------------------|--|------|----------------------------------------------------------------------------|-----|------|------|--|
| ма | Clamping yoke Leaf spring | mm ² | | | | LM | IEC: 320 V/16 A/0.5 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 14 | | | | |
| | | ≤ 1.5 mm² | 222 | | | LS | IEC: 630 V/17.5 A/0.08 - 1.5 mm ² UL: 300 V/15 A/AWG 28 - 14 | | | | |
| | | ≤ 2.5 mm² | TAR | 200 | | LM | IEC: 630 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 24 - 14 | | | • | |
| Screw | | ≤ 6.0 mm² | 111 | | | ш | IEC: 500 V/32.5 A/0.5 - 6 mm ² UL: 300 V/20 A/AWG 28 - 12 | | | • | |
| | | 13 | PS | IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 -16 | | | | | | | |
| | | ≤ 2.5 mm² | 900 C | | | РМ | IEC: 600 V/24 A/0.13 - 2.5 mm ² UL: 300 V/15 A/AWG 26 -14 | | | | |

F.14 Weidmüller ₹ 2977770000

| Pite | ch, in mm | 3.! | 50 | 3.81 | | 5.00 | | | 5.08 | | 6.35 | 7.50 | 7.62 | 9. | 52 | 10.00 | 10.16 |
|------|--------------------|-----|----|------|---|------|---|---|------|---|------|------|------|----|----|-------|-------|
| N | umber of Levels | 1 | 2 | 1 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| Ref | low | | | | | | | | | | | | | | | | |
| THT | SMD | | | | | | | | | | | | | | | | |
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http://www.OMNIMATE.net



PCB terminals

| Type of | connection | Clamping | j range | | Туре | IEC / UL | 90° | 135° | 180° | |
|---------|---------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------|-------------------------------------------------------------------------------|-----|------|------|--|
| | PUSH IN | | | | LSF-SMT | IEC: 320 V/17.5 A/0.2 -1.5 mm ² UL: 300 V/12 A/AWG 24 -16 | | | • | |
| | | | THE STATE OF THE S | ANA | LSF-SMD | IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/12 A/AWG 24 -16 | | | | |
| Br | | ≤ 1.5 mm² | dia 1 | | LMF(S) | IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/10 A /AWG 26 - 12 | | | | |
| Spring | | | N K K | | LMFV | IEC: 630 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 24 - AWG 14 | • | | | |
| | | | 110 110 | | LS2HF | IEC: 400 V/17 A/0.2 - 1.5 mm ² UL: 150 V/12.5 A /AWG 26 - 16 | • | | | |
| | Tension clamp | ≤ 2.5 mm² | 666 | 2000 2000 2000 2000 2000 | LMZF | IEC: 630 V/24 A/0.13 - 2.5 mm ² UL: 300 V/15 A/AWG 26 -14 | | | | |

F.16 Weidmüller ₹ 2977770000

| Pito | ch, in mm | 3.! | 50 | 3.81 | | 5.00 | | | 5.08 | | 6.35 | 7.50 | 7.62 | 9. | 52 | 10.00 | 10.16 |
|------|--------------------|-----|----|------|---|------|---|---|------|---|------|------|------|----|----|-------|-------|
| No | umber of Levels | 1 | 2 | 1 | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |
| Ref | | | | | | | | | | | | | | | | | |
| THT | SMD | | | | | | | | | | | | | | | | |
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LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 320 V / 16 A / 0.5 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 14



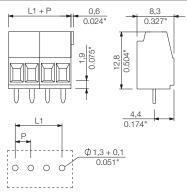
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM 3.5/../90







Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1667750000 |
| 3 | 7.00 | 0.276 | 168 | 1667770000 |
| 4 | 10.50 | 0.413 | 126 | 1845040000 |
| 5 | 14.00 | 0.551 | 100 | 1720250000 |
| 6 | 17.50 | 0.689 | 84 | 1845050000 |
| 7 | 21.00 | 0.827 | 100 | 1845060000 |
| 8 | 24.50 | 0.965 | 60 | 1845070000 |
| 9 | 28.00 | 1.102 | 54 | 1845080000 |
| 10 | 31.50 | 1.240 | 48 | 1845090000 |
| 11 | 35.00 | 1.378 | 42 | 1845100000 |
| 12 | 38.50 | 1.516 | 42 | 1845110000 |
| | | | | |

Technical data

| recillical data | | | | |
|------------------------------------------------------------------------|-----------------|------|------------------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | C | 0.082.0 | 18 |
| Solid core H05(07) V-U | mm ² | | 0.51.5 | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.51.5 | , |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | mm ² | - 1 | 0.50.7 | 5 |
| Stripping length | mm | | 5 | |
| Screwdriver blade | mm | | 0.4 x 2.5 | 5 |
| According to norm | | - 1 | DIN 526 | 4 |
| Tightening torque range | Nm | - 1 | 0.20.2 | 5 |
| Rated current, max. | Α | 16 | | 14 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | PA | |
| UL 94 flammability rating | | | V-2 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| | | | 1.0×0.6 | 3 |
| Pin dimensions = d | mm | | | , |
| Pin dimensions = d Solder eyelet Ø = D Solder eyelet Ø tolerance | mm mm | | 1.3 + 0,1 | , |

Accessories

| Screwdriver | | Order No. |
|-------------|-----------------|------------|
| 1 | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

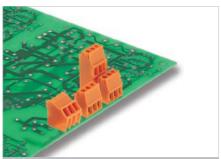






Representative deratings curve LM 3.5/../90 0-----

LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 320 V / 16 A / 0.5 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 14



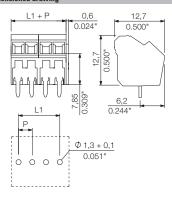
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM 3.5/../135







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|----------|-----------|------|
| Clamping range, max. | mm ² | 0 | .082.0 |)8 |
| Solid core H05(07) V-U | mm ² | - 1 | 0.51.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.51.5 | 5 |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | mm ² | (| .50.7 | 5 |
| Stripping length | mm | | 5 | |
| Screwdriver blade | mm | - 1 | 0.4 x 2. | 5 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | Nm | (| 0.20.2 | 5 |
| Rated current, max. | Α | 16 | | 14 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | PA | |
| UL 94 flammability rating | | V-2 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 0.0 | 6 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | |
| | SDIS 0.4X2.5X75 | 2749790000 | | | |
| / | | | | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 246 | 1714980000 |
| 3 | 7.00 | 0.276 | 168 | 1715020000 |
| 4 | 10.50 | 0.413 | 126 | 1845220000 |
| 5 | 14.00 | 0.551 | 102 | 1845230000 |
| 6 | 17.50 | 0.689 | 84 | 1845240000 |
| 7 | 21.00 | 0.827 | 72 | 1845250000 |
| 8 | 24.50 | 0.965 | 60 | 1845260000 |
| 9 | 28.00 | 1.102 | 54 | 1845270000 |
| 10 | 31.50 | 1.240 | 50 | 1845280000 |
| 11 | 35.00 | 1.378 | 50 | 1845290000 |
| 12 | 38.50 | 1.516 | 42 | 1845300000 |

Representative deratings curve LM 3.5/../135



Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule Ferrule with plastic collar

Stripping length

Screwdriver blade

Tightening torque range

Rated current, max.

At ambient temperature

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor CSA (Use Group)

Rated voltage

Rated current

AWG conductor

General data Type of insulation material UL 94 flammability rating

Contact base material

Pin dimensions = d

Solder eyelet Ø = D

Material of contact surface

Solder eyelet Ø tolerance

Rated impulse voltage

UL / CUL (Use Group)

For conductor cross-section Overvoltage category

According to norm

Solid core H05(07) V-U

In compliance with IEC 60664-1 / IEC 61984

LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 320 V / 13 A / 0.5 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 14



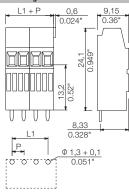
For additional articles and information, refer to eshop.weidmueller.com

- · Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- . Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM1N 3.5/../90







Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|
| Screwdriver | | Order No. | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | | |
| 1 | SDIS 0.4X2.5X75 | 2749790000 | | |
| / | | | | |
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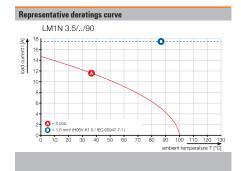
Ordering data

| Solder pir | 3.2 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mi | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1716710000 |
| 3 | 7.00 | 0.276 | 100 | 1716720000 |









0.08...2.08

0.5...1.5

0.5...1.5

0.5...0.75

5 0.4 x 2.5

DIN 5264

0.2...0.25

40°C

300

10

D C

300

10

28-14

V-2

Cu-alloy

tinned

1.0 x 0.6

1.3

+ 0,1

mm²

mm²

 $\,\mathrm{mm^2}$

mm²

mm

mm

Nm

Α 13

٧ 160 160 320

kV 2.5 2.5 2.5

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٧ 300

Α 10

 AWG

mm

mm

AWG

20°C

Ш Ш Ш

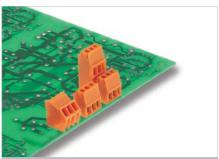
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В

Weidmüller 🏖 F.20

LM 3.5



Small, compact PCB terminal with our proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° or 135° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 320 V / 13 A / 0.5 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
 Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in
- accordance with the relevant application standards.

 Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM2N 3.5/../90

multi-row





L1 + P

Technical data

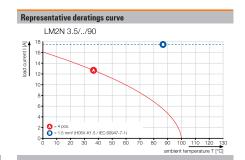
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | 0 | .082.0 |)8 |
| Solid core H05(07) V-U | mm² | - 1 | 0.51.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.51.5 | 5 |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | mm ² | (| 0.50.7 | 5 |
| Stripping length | mm | | 5 | |
| Screwdriver blade | mm | - 1 | 0.4 x 2. | 5 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | Nm | | 0.20.2 | 2 |
| Rated current, max. | Α | 13 | | 11 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | PA | |
| UL 94 flammability rating | | V-2 | | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 0.0 | 6 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Screwdriver | | Order No. |
|-------------|-----------------|------------|
| Ø | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |

Ordering data

| ength | | | 3.2 mm |
|---------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | orange |
| 3.50 mm | | | |
| L1 | (inch) | Qty. | Order No. |
| 3.50 | 0.138 | 100 | 1703700000 |
| 7.00 | 0.276 | 100 | 1703710000 |
| 10.50 | 0.413 | 100 | 1703720000 |
| 14.00 | 0.551 | 50 | 1703730000 |
| 17.50 | 0.689 | 50 | 1703740000 |
| 21.00 | 0.827 | 50 | 1703750000 |
| 24.50 | 0.965 | 50 | 1703760000 |
| 28.00 | 1.102 | 50 | 1703770000 |
| 31.50 | 1.240 | 50 | 1703780000 |
| 35.00 | 1.378 | 25 | 1703790000 |
| 38.50 | 1.516 | 25 | 1703800000 |
| | 3.50 mm L1 3.50 7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 3.50 mm L1 (inch) 3.50 0.138 7.00 0.276 10.50 0.413 14.00 0.551 17.50 0.689 21.00 0.827 24.50 0.985 28.00 1.102 31.50 1.240 35.00 1.378 | 3.50 mm L1 (inch) 0ty. 3.50 0.138 100 7.00 0.276 100 10.50 0.413 100 14.00 0.551 50 17.50 0.689 50 21.00 0.827 50 24.50 0.965 50 28.00 1.102 50 31.50 1.240 50 35.00 1.378 25 |





LS 5.08



Small, compact PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.08 - 1.5 mm² UL: 300 V / 15 A / AWG 28 - 14



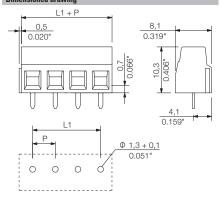
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LS 5.08/../90







Technical data

| In compliance with IEC 60664-1 / IEC 61984 | | | | | |
|-----------------------------------------------|-----------------|--------------|-------|------|--|
| Clamping range, max. | mm ² | 0 | .081. | 5 | |
| Solid core H05(07) V-U | mm² | 0.081.5 | | 5 | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | 0 | .081. | 5 | |
| Flexible with ferrule | mm ² | 0 | .251. | 5 | |
| Ferrule with plastic collar | mm ² | 0.251.5 | | | |
| Stripping length | mm | | 6 | | |
| Screwdriver blade | mm | 0.6 x 3.5 | | | |
| According to norm | | DIN 5264 | | | |
| Tightening torque range | Nm | 0.40.5 | | | |
| Rated current, max. | Α | 17.5 | | 17.5 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 | 320 | 630 | |
| Rated impulse voltage | kV | 4 | 4 | 4 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 15 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 20 | | 10 | |
| AWG conductor | AWG | 28-14 | | | |
| General data | | | | | |
| Type of insulation material | | Wemid (PA) | | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | tinned | | | |
| Pin dimensions = d | mm | 0.5 x 1.0 | | | |
| Solder eyelet Ø = D Solder eyelet Ø tolerance | mm | 1.3 + 0,1 | | | |
| | | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|--------------------------------------------------------------------|------------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| P | SDS 0.6X3.5X100 | 2749340000 | | | |
| | SDIS 0.6X3.5X100 | 2749810000 | | | |
| / | | | | | |

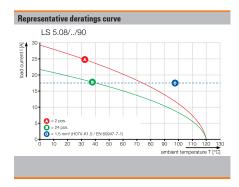
Ordering data

| Solder p | 3.5 mm | | | |
|----------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1912520000 |
| 3 | 10.16 | 0.400 | 100 | 1912530000 |
| 4 | 15.24 | 0.600 | 100 | 1912540000 |
| 5 | 20.32 | 0.800 | 100 | 1912560000 |
| 6 | 25.40 | 1.000 | 100 | 1912570000 |
| 7 | 30.48 | 1.200 | 100 | 1912850000 |
| 8 | 35.56 | 1.400 | 100 | 1912890000 |
| 9 | 40.64 | 1.600 | 100 | 1912900000 |
| 10 | 45.72 | 1.800 | 50 | 1912910000 |
| 11 | 50.80 | 2.000 | 100 | 1912930000 |
| 12 | 55.88 | 2.200 | 100 | 1912940000 |

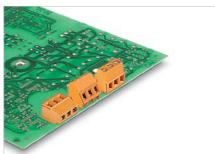








LM 5.00



Single-row PCB terminal with our proven clamping-yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90°, 135° or 180° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 24 - 14



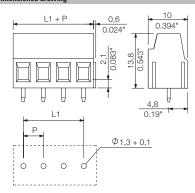
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LM 5.00/../90







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | | |
|--------------------------------|-----------------|------------|-----------|------|--|
| Clamping range, max. | mm ² | | 0.22.5 | , | |
| Solid core H05(07) V-U | mm ² | 0.22.5 | | j | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | , | |
| Flexible with ferrule | mm ² | - (| 0.251. | 5 | |
| Ferrule with plastic collar | mm ² | - | 0.251. | 5 | |
| Stripping length | mm | | 6 | | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 | |
| According to norm | | - | DIN 526 | 4 | |
| Tightening torque range | Nm | | 0.40.5 | ; | |
| Rated current, max. | Α | 17.5 | | 17.5 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 | 320 | 630 | |
| Rated impulse voltage | kV | 4 4 4 | | 4 | |
| UL / CUL (Use Group) | | B C D | | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 15 | | 10 | |
| AWG conductor | AWG | | 24-14 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 18 | | 10 | |
| AWG conductor | AWG | | 24-14 | | |
| General data | | | | | |
| Type of insulation material | | Wemid (PA) | | | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | (|).95 x 0. | 8 | |
| Solder eyelet Ø = D | mm | | 1.3 | | |
| 0.11 | | | . 0 1 | | |

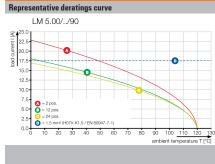
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Screwdriver | | Order No. | |
| A | SDS 0.6X3.5X100 | 2749340000 | |
| | SDIS 0.6X3.5X100 | 2749810000 | |
| / | | | |

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 500 | 1715310000 |
| 3 | 10.00 | 0.394 | 500 | 1715320000 |
| 4 | 15.00 | 0.591 | 50 | 1821490000 |
| 5 | 20.00 | 0.787 | 72 | 1845310000 |
| 6 | 25.00 | 0.984 | 50 | 1845320000 |
| 7 | 30.00 | 1.181 | 50 | 1845330000 |
| 8 | 35.00 | 1.378 | 50 | 1845340000 |
| 9 | 40.00 | 1.575 | 50 | 1845350000 |
| 10 | 45.00 | 1.772 | 36 | 1845360000 |
| 11 | 50.00 | 1.969 | 30 | 1845370000 |
| 12 | 55.00 | 2.165 | 30 | 1845380000 |

Solder eyelet Ø tolerance mm + 0,1





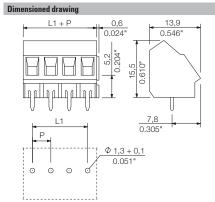


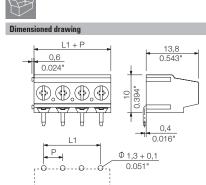
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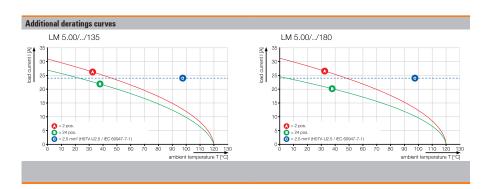


Ordering data

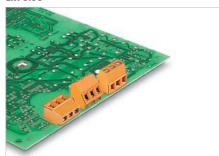
| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 500 | 1715350000 |
| 3 | 10.00 | 0.394 | 500 | 1715360000 |
| 4 | 15.00 | 0.591 | 50 | 1845390000 |
| 5 | 20.00 | 0.787 | 50 | 1845400000 |
| 6 | 25.00 | 0.984 | 50 | 1845410000 |
| 7 | 30.00 | 1.181 | 50 | 1845420000 |
| 8 | 35.00 | 1.378 | 50 | 1845430000 |
| 9 | 40.00 | 1.575 | 50 | 1845440000 |
| 10 | 45.00 | 1.772 | 50 | 1845450000 |
| 11 | 50.00 | 1.969 | 50 | 1845460000 |
| 12 | 55.00 | 2.165 | 50 | 1845470000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 500 | 1715330000 |
| 3 | 10.00 | 0.394 | 500 | 1715340000 |
| 4 | 15.00 | 0.591 | 50 | 1234230000 |
| 5 | 20.00 | 0.787 | 50 | 1234240000 |
| 6 | 25.00 | 0.984 | 50 | 1234250000 |
| 7 | 30.00 | 1.181 | 50 | 1234270000 |
| 8 | 35.00 | 1.378 | 50 | 1234280000 |
| 9 | 40.00 | 1.575 | 50 | 1234290000 |
| 10 | 45.00 | 1.772 | 50 | 1234310000 |
| 11 | 50.00 | 1.969 | 50 | 1234320000 |
| 12 | 55.00 | 2.165 | 50 | 1234330000 |



LM 5.08



Single-row PCB terminal with our proven clamping-yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to $2.5\ mm^2$.

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90°, 135° or 180° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

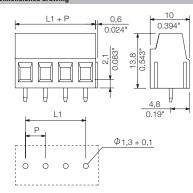
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM 5.08/../90





Nimensioned drawin



Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | ļ | | |
|-------------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | - 1 | 0.22.5 | ; |
| Solid core H05(07) V-U | mm² | (|).22.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | - | 0.22.5 | ; |
| Flexible with ferrule | mm ² | 0 | .251. | 5 |
| Ferrule with plastic collar | mm ² | 0 | .251. | 5 |
| Stripping length | mm | | 6 | |
| Screwdriver blade | mm | (|).6 x 3. | 5 |
| According to norm | | D | IN 526 | 4 |
| Tightening torque range | Nm | - | 0.40.5 | 5 |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 630 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | 24-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18 | | 10 |
| AWG conductor | AWG | | 24-14 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 0 | .95 x 0. | .8 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|------------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 | | | |
| 1 | SDIS 0.6X3.5X100 | 2749810000 | | | |
| / | | | | | |

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 500 | 1716080000 |
| 3 | 10.16 | 0.400 | 500 | 1716090000 |
| 4 | 15.24 | 0.600 | 50 | 9994130000 |
| 5 | 20.32 | 0.800 | 50 | 9994140000 |
| 6 | 25.40 | 1.000 | 60 | 9994150000 |
| 7 | 30.48 | 1.200 | 48 | 9994160000 |
| 8 | 35.56 | 1.400 | 42 | 9994170000 |
| 9 | 40.64 | 1.600 | 50 | 9994180000 |
| 10 | 45.72 | 1.800 | 36 | 9994190000 |
| 11 | 50.80 | 2.000 | 50 | 9994200000 |
| 12 | 55.88 | 2.200 | 30 | 9994210000 |
| | | | | |

°)((† **5.08**







Representative deratings curve LM 5.08/../90 12.5.0 15.0 12.5.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.

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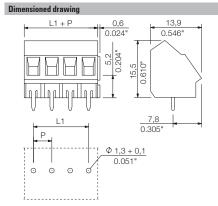
LM 5.08/../135

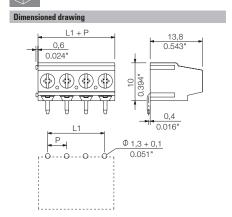
LM 5.08/../180









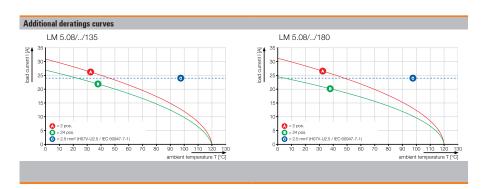


Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.5 mm |
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 500 | 1716120000 |
| 3 | 10.16 | 0.400 | 500 | 1716130000 |
| 4 | 15.24 | 0.600 | 50 | 9994550000 |
| 5 | 20.32 | 0.800 | 50 | 9994560000 |
| 6 | 25.40 | 1.000 | 50 | 9994570000 |
| 7 | 30.48 | 1.200 | 50 | 9994580000 |
| 8 | 35.56 | 1.400 | 50 | 9994590000 |
| 9 | 40.64 | 1.600 | 50 | 9994600000 |
| 10 | 45.72 | 1.800 | 50 | 9994610000 |
| 11 | 50.80 | 2.000 | 50 | 9994620000 |
| 12 | 55.88 | 2.200 | 50 | 9994630000 |

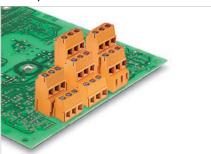
Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 500 | 1716100000 |
| 3 | 10.16 | 0.400 | 500 | 1716110000 |
| 4 | 15.24 | 0.600 | 50 | 9994970000 |
| 5 | 20.32 | 0.800 | 50 | 9994980000 |
| 6 | 25.40 | 1.000 | 50 | 9994990000 |
| 7 | 30.48 | 1.200 | 50 | 9995000000 |
| 8 | 35.56 | 1.400 | 50 | 9995010000 |
| 9 | 40.64 | 1.600 | 50 | 9995020000 |
| 10 | 45.72 | 1.800 | 50 | 9995030000 |
| 11 | 50.80 | 2.000 | 50 | 9995040000 |
| 12 | 55.88 | 2.200 | 50 | 9995050000 |



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LM 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

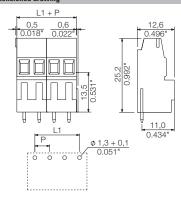
LM1N 5.08/../90

single row medium





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | ļ. | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------|----------------------------------------------------|----------------------------------|
| Clamping range, max. | mm ² | 1 | 0.22.5 | 5 |
| Solid core H05(07) V-U | mm² | | J.22. | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 1 | 0.22.9 | 5 |
| Flexible with ferrule | mm ² | C | .251. | 5 |
| Ferrule with plastic collar | $\mathrm{mm^2}$ | C |).251. | 5 |
| Stripping length | mm | | 6 | |
| Screwdriver blade | mm | (| 0.6 x 3. | 5 |
| According to norm | | | IN 526 | 4 |
| Tightening torque range | Nm | 1 | 0.40. | 5 |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 630 |
| Rated impulse voltage | 111 | | | |
| nateu iiripuise voitage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | kV | 4 B | 4 C | 4 D |
| | V V | | | |
| UL / CUL (Use Group) | | В | | D |
| UL / CUL (Use Group) Rated voltage | ٧ | B 300 | | D 300 |
| UL / CUL (Use Group) Rated voltage Rated current | V A AWG | B 300 | C | D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | V A | B 300 15 B 300 | C 24-14 | D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | V A AWG | B 300 15 | C 24-14 | D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | V A AWG | B 300 15 B 300 | C 24-14 | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | V A AWG | B 300 15 B 300 18 | 24-14 C | D 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V A AWG | B 300 15 B 300 18 | 24-14 C | D 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A AWG | B 300 15 B 300 18 | 24-14 C 24-14 'emid (F V-0 | D 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V A AWG | B 300 15 B 300 18 | 24-14 C 24-14 'emid (F V-0 Cu-alloy | D 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG | B 300 15 B 300 18 | C 24-14 C 24-14 V-0 Cu-alloy tinned | 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | V A AWG | B 300 15 B 300 18 | C 24-14 C 24-14 V-0 Cu-alloy tinned .95 x 0 | 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG V A AWG | B 300 15 B 300 18 | C 24-14 C 24-14 V-0 Cu-alloy tinned | 300 10 D 300 10 |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------|------------|--|--|
| Screwdriver | | Order No. | | |
| D | SDS 0.6X3.5X100 | 2749340000 | | |
| 1 | SDIS 0.6X3.5X100 | 2749810000 | | |
| / | | | | |

Ordering data

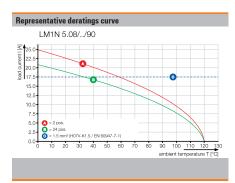
| Solder p | 3.5 mm | | | |
|----------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1766300000 |
| 3 | 10.16 | 0.400 | 100 | 1766310000 |
| | | | | |

°,,, 5.08







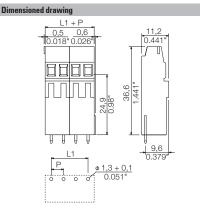


LM1H 5.08/../90

single row high







Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1766360000 |
| 3 | 10.16 | 0.400 | 100 | 1766370000 |

Additional deratings curves

LM1H 5.08/../90

22.5

15.0

12.5

10.0

10.0

10.0

10.0

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LM 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction can be aligned together for higher pole counts.

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM2N 5.08/../90

double row low





limensioned drawing L1 + P 0.5 0.6 0.6 0.852** 0.018** 0.022** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852** 0.852**

Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------|-------------------------------------------------------------|-----------------------------|
| Clamping range, max. | mm ² | | 0.22.5 | |
| Solid core H05(07) V-U | mm² | (|).22.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | - 1 | 0.22.5 | 5 |
| Flexible with ferrule | mm ² | 0 | .251. | 5 |
| Ferrule with plastic collar | $\mathrm{mm^2}$ | 0 | .251. | 5 |
| Stripping length | mm | | 6 | |
| Screwdriver blade | mm | (|).6 x 3. | 5 |
| According to norm | | D | IN 526 | 4 |
| Tightening torque range | Nm | - 1 | 0.40.5 | 5 |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 630 |
| Rated impulse voltage | kV | 4 4 4 | | 4 |
| | | | | |
| UL / CUL (Use Group) | | В | C | D |
| UL / CUL (Use Group) Rated voltage | ٧ | B 300 | C | D 300 |
| | V A | | C | |
| Rated voltage | - | 300 | C 24-14 | 300 |
| Rated voltage Rated current | A | 300 | | 300 |
| Rated voltage Rated current AWG conductor | A | 300 15 | 24-14 | 300 10 |
| Rated voltage Rated current AWG conductor CSA (Use Group) | A AWG | 300 15 B | 24-14 | 300 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | A AWG | 300 15 B 300 | 24-14 | 300 10 D 300 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG | 300 15 B 300 | 24-14 C | 300 10 D 300 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG | 300 15 B 300 18 | 24-14 C 24-14 emid (F | 300 10 D 300 10 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG | 300 15 B 300 18 | 24-14 C 24-14 emid (F V-0 | 300 10 D 300 10 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG | 300 15 B 300 18 | 24-14 C 24-14 emid (F V-0 Cu-alloy | 300 10 D 300 10 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG | 300 15 B 300 18 | 24-14 C 24-14 emid (P V-0 Cu-alloy tinned | 300 10 D 300 10 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | A AWG | 300 15 B 300 18 | 24-14 C 24-14 emid (F V-0 Cu-alloy | 300 10 D 300 10 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG | 300 15 B 300 18 | 24-14 C 24-14 emid (P V-0 Cu-alloy tinned | 300 10 D 300 10 |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|------------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| D | SDS 0.6X3.5X100 | 2749340000 | | | |
| 1 | SDIS 0.6X3.5X100 | 2749810000 | | | |
| / | | | | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 92 | 1768850000 |
| 6 | 10.16 | 0.400 | 64 | 1768860000 |
| 8 | 15.24 | 0.600 | 56 | 1768870000 |
| 10 | 20.32 | 0.800 | 44 | 1768880000 |
| 12 | 25.40 | 1.000 | 36 | 1768890000 |
| 14 | 30.48 | 1.200 | 32 | 1768900000 |
| 16 | 35.56 | 1.400 | 28 | 1768910000 |
| 18 | 40.64 | 1.600 | 24 | 1768920000 |
| 20 | 45.72 | 1.800 | 20 | 1768930000 |
| 22 | 50.80 | 2.000 | 20 | 1768940000 |
| 24 | 55.88 | 2.200 | 16 | 1768950000 |
| | | | | |

°)(\$ **5.08**







Representative deratings curve LM2N 5.08/../90 LM2N 5.08/../90 22.5 15.0 -4 pos. 2-1.5 mm² HOVVK1.5 / BN 60947.7-1) 0.0 10 20 30 40 50 60 70 80 90 100 110 120 130 ambient temperature T [C]

F.30 Weidmüller **₹** 2977770000

LM2H 5.08/../90

double row high

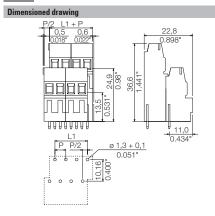
LM3R 5.08/../90

triple row

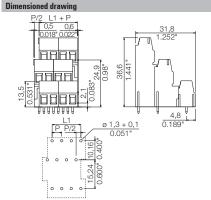










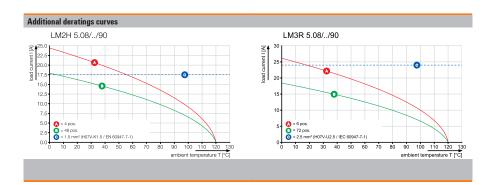


Ordering data

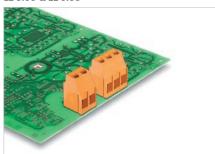
| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 50 | 1769240000 |
| 6 | 10.16 | 0.400 | 50 | 1769250000 |
| 8 | 15.24 | 0.600 | 50 | 1769260000 |
| 10 | 20.32 | 0.800 | 50 | 1769270000 |
| 12 | 25.40 | 1.000 | 20 | 1769280000 |
| 14 | 30.48 | 1.200 | 20 | 1769290000 |
| 16 | 35.56 | 1.400 | 20 | 1769300000 |
| 18 | 40.64 | 1.600 | 20 | 1769310000 |
| 20 | 45.72 | 1.800 | 20 | 1769320000 |
| 22 | 50.80 | 2.000 | 20 | 1769330000 |
| 24 | 55.88 | 2.200 | 10 | 1769340000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 6 | 5.08 | 0.200 | 50 | 1769620000 |
| 9 | 10.16 | 0.400 | 50 | 1769630000 |
| 12 | 15.24 | 0.600 | 50 | 1769640000 |
| 15 | 20.32 | 0.800 | 25 | 1769650000 |
| 18 | 25.40 | 1.000 | 25 | 1769660000 |
| 21 | 30.48 | 1.200 | 20 | 1769670000 |
| 24 | 35.56 | 1.400 | 20 | 1769680000 |
| 27 | 40.64 | 1.600 | 20 | 1769690000 |
| 30 | 45.72 | 1.800 | 10 | 1769700000 |
| 33 | 50.80 | 2.000 | 10 | 1769710000 |
| 36 | 55.88 | 2.200 | 10 | 1769720000 |



LL 5.00 & LL 5.08



Single-row PCB terminal with our proven clamping yoke screw connection in 5.00 and 5.08 mm pitches, suitable for wire cross-sections up to 6.0 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

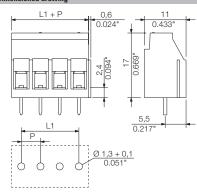
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • It is necessary to hold the insulating body of the one or two pole
- terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL 5.00/../90







Technical data

| .6 |
|----------------------------------|
| 6 |
| |
| 4 |
| 5 |
| 5 |
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| 3.5 |
| 64 |
| 1.6 |
| 27.5 |
| 40°C |
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| II |
| 2 |
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| 500 |
| 500 4 |
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| 4 |
| 4 D |
| 4 D 300 |
| 4 D 300 10 |
| 4 D 300 10 |
| 4 D 300 10 2 |
| 4 D 300 10 2 D 300 |
| 4 D 300 10 2 D 300 10 22 |
| 4 D 300 10 2 D 300 10 |
| 4 D 300 10 2 D 300 10 22 |
| 4 D 300 10 2 D 300 10 10 22 (PA) |
| 4 D 300 10 2 D 300 10 2 (PA) |
| 4 D 300 10 2 D 300 10 10 22 (PA) |
| 4 D 300 10 2 D 300 10 2 (PA) |
| |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|------------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 | | | |
| | SDIS 0.6X3.5X100 | 2749810000 | | | |
| | | | | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1934270000 |
| 3 | 10.00 | 0.394 | 100 | 1934280000 |
| 4 | 15.00 | 0.591 | 90 | 1001720000 |
| 5 | 20.00 | 0.788 | 50 | 1001730000 |
| 6 | 25.00 | 0.985 | 60 | 1001740000 |
| 7 | 30.00 | 1.182 | 50 | 1001750000 |
| 8 | 35.00 | 1.379 | 42 | 1001760000 |
| 9 | 40.00 | 1.576 | 36 | 1001770000 |
| 10 | 45.00 | 1.773 | 50 | 1001780000 |
| 11 | 50.00 | 1.970 | 30 | 1001790000 |
| 12 | 55.00 | 2.167 | 30 | 1001800000 |
| | | | | |









Representative deratings curve LL 5.00/../90

LL 5.08/../90

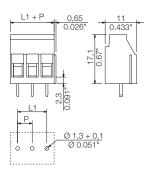
LL 5.00/../180

LL 5.08/../180





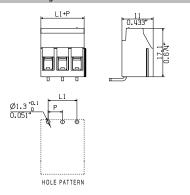
Nimensioned drawing







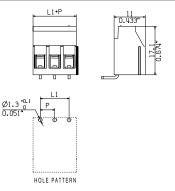
Dimensioned drawing







Dimensioned drawing



Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1934250000 |
| 3 | 10.16 | 0.400 | 100 | 1934260000 |
| 4 | 15.24 | 0.600 | 100 | 1001850000 |
| 5 | 20.32 | 0.800 | 66 | 1001860000 |
| 6 | 25.40 | 1.000 | 60 | 1001870000 |
| 7 | 30.48 | 1.200 | 48 | 1001880000 |
| 8 | 35.56 | 1.400 | 50 | 1001890000 |
| 9 | 40.64 | 1.600 | 36 | 1001900000 |
| 10 | 45.72 | 1.800 | 36 | 1001910000 |
| 11 | 50.80 | 2.000 | 30 | 1001920000 |
| 12 | 55.88 | 2.200 | 30 | 1001930000 |

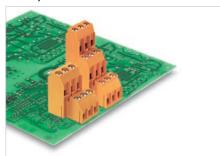
Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 174 | 1994230000 |
| 3 | 10.00 | 0.394 | 114 | 1994240000 |
| 4 | 15.00 | 0.591 | 90 | 2429470000 |
| 5 | 20.00 | 0.788 | 72 | 2429530000 |
| 6 | 25.00 | 0.985 | 60 | 2429540000 |
| 7 | 30.00 | 1.182 | 48 | 2429550000 |
| 8 | 35.00 | 1.379 | 42 | 2429560000 |
| 9 | 40.00 | 1.576 | 36 | 2429570000 |
| 10 | 45.00 | 1.773 | 36 | 2429580000 |
| 11 | 50.00 | 1.970 | 30 | 2429590000 |
| 12 | 55.00 | 2.167 | 30 | 2429600000 |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 168 | 1994250000 |
| 3 | 10.16 | 0.400 | 114 | 1994260000 |
| 4 | 15.24 | 0.600 | 84 | 2429810000 |
| 5 | 20.32 | 0.800 | 66 | 2431930000 |
| 6 | 25.40 | 1.000 | 60 | 2431950000 |
| 7 | 30.48 | 1.200 | 48 | 2431960000 |
| 8 | 35.56 | 1.400 | 42 | 2431970000 |
| 9 | 40.64 | 1.600 | 36 | 2431980000 |
| 10 | 45.72 | 1.800 | 36 | 2431990000 |
| 11 | 50.80 | 2.000 | 30 | 2432000000 |
| 12 | 55.88 | 2.200 | 30 | 2432010000 |

LL 5.00, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

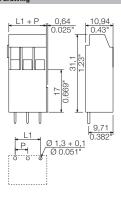
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL1N 5.00/../90





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|-----------|----------|------|
| Clamping range, max. | mm ² | | 0.086 | 3 |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | |
| Flexible with ferrule | mm ² | | 0.52.5 | 5 |
| Ferrule with plastic collar | mm ² | 0.52.5 | | 5 |
| Stripping length | mm | 6 | | |
| Screwdriver blade | mm | 0.6 x 3.5 | | 5 |
| According to norm | | DIN 5264 | | 4 |
| Tightening torque range | Nm | 0.50.6 | | 3 |
| Rated current, max. | Α | 32.5 | | 27.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 500 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| General data | | | | |
| Type of insulation material | | W | /emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 0 |).75 x 0 | .9 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Acce | ssories chapter for additional access | sories. |
|-------------------------|---------------------------------------|------------|
| Screwdriver | | Order No. |
| N. | SDS 0.6X3.5X100 | 2749340000 |
| A | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1975250000 |
| 3 | 10.00 | 0.394 | 100 | 1975260000 |
| 4 | 15.00 | 0.591 | 100 | 1975270000 |
| 5 | 20.00 | 0.788 | 50 | 1975280000 |
| 6 | 25.00 | 0.985 | 50 | 1975290000 |
| 7 | 30.00 | 1.182 | 50 | 1975300000 |
| 8 | 35.00 | 1.379 | 50 | 1975310000 |
| 9 | 40.00 | 1.576 | 50 | 1975320000 |
| 10 | 45.00 | 1.773 | 50 | 1975330000 |
| 11 | 50.00 | 1.970 | 50 | 1975340000 |
| 12 | 55.00 | 2.167 | 50 | 1975350000 |
| | | | | |

°|(() **5.00**



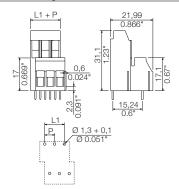




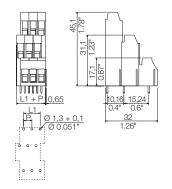










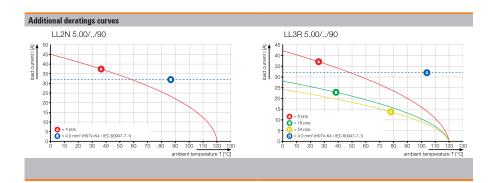


Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.00 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 12.50 | 0.492 | 50 | 1934310000 |
| 8 | 22.50 | 0.886 | 50 | 1977260000 |
| 12 | 32.50 | 1.280 | 50 | 1977280000 |
| 16 | 42.50 | 1.673 | 20 | 1977310000 |
| 20 | 52.50 | 2.067 | 20 | 1977330000 |
| 24 | 62.50 | 2.461 | 10 | 1977350000 |

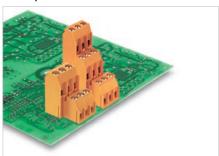
Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 6 | 5.00 | 0.492 | 50 | 1934360000 |
| 12 | 15.00 | 0.886 | 50 | 1978850000 |
| 18 | 25.00 | 1.280 | 25 | 1978870000 |
| 24 | 35.00 | 1.673 | 20 | 1978890000 |
| 30 | 45.00 | 2.067 | 10 | 1978910000 |
| 36 | 55.00 | 2.461 | 10 | 1978930000 |



Г

LL 5.08, multi-level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note

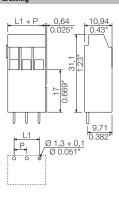
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL1N 5.08/../90





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|-----------|----------|------|
| Clamping range, max. | mm ² | | 0.086 | 3 |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | |
| Flexible with ferrule | mm ² | - 1 | 0.52.5 | 5 |
| Ferrule with plastic collar | mm ² | - | 0.52.5 | 5 |
| Stripping length | mm | 6 | | |
| Screwdriver blade | mm | 0.6 x 3.5 | | 5 |
| According to norm | | DIN 5264 | | 4 |
| Tightening torque range | Nm | - 1 | 0.50.6 | 3 |
| Rated current, max. | Α | 32.5 | | 27.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 500 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 0 | .75 x 0 | .9 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Acco | essories chapter for additional access | ories. |
|-------------------------|----------------------------------------|------------|
| Screwdriver | | Order No. |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| A | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1975360000 |
| 3 | 10.16 | 0.400 | 100 | 1975370000 |
| 4 | 15.24 | 0.600 | 100 | 1975380000 |
| 5 | 20.32 | 0.800 | 50 | 1975390000 |
| 6 | 25.40 | 1.000 | 50 | 1975400000 |
| 7 | 30.48 | 1.200 | 50 | 1975410000 |
| 8 | 35.56 | 1.400 | 50 | 1975420000 |
| 9 | 40.64 | 1.600 | 50 | 1975430000 |
| 10 | 45.72 | 1.800 | 50 | 1975440000 |
| 11 | 50.80 | 2.000 | 50 | 1975460000 |
| 12 | 55.88 | 2.200 | 50 | 1975470000 |
| | | | | |

°|,(;) **5.08**



LL2N 5.08/../90

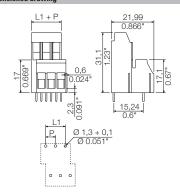
LL3R 5.08/../90





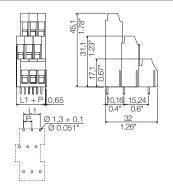


Dimensioned drawing





Dimensioned drawing

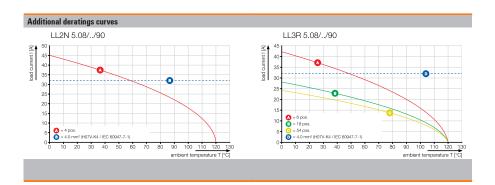


Ordering data

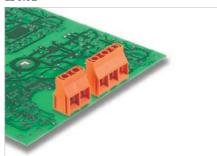
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 8 | 22.86 | 0.900 | 50 | 1977480000 |
| 12 | 33.02 | 1.300 | 50 | 1977500000 |
| 16 | 43.18 | 1.700 | 20 | 1977520000 |
| 20 | 53.34 | 2.100 | 20 | 1977540000 |
| 24 | 63.50 | 2.500 | 10 | 1977560000 |

Ordering data

| Soluei hiii | iengui | | | 3.Z IIIIII |
|-------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 6 | 5.08 | 0.500 | 50 | 1934340000 |
| 12 | 15.24 | 0.900 | 50 | 1979060000 |
| 18 | 25.40 | 1.300 | 25 | 1979080000 |
| 24 | 35.56 | 1.700 | 20 | 1979100000 |
| 30 | 45.72 | 2.100 | 10 | 1979120000 |
| 36 | 55.88 | 2.500 | 10 | 1979140000 |
| | | | | |



LL 9.52



Single-row PCB terminal with our proven clamping-yoke screw connection in 9.52 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 1000 V / 32 A / 0.18 - 6 mm² UL: 300 V / 30 A / AWG 26 - 10



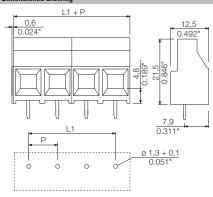
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL 9.52/../90







Ordering data

| Solder pin | length | | | 5 mm |
|---------------|---------|-----------------|--------------------|-------------------------|
| Colour | | | | orange |
| Pitch | 9.52 mn | n | | |
| | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. 2 | 9.52 | (inch) 0.375 | Qty. 100 | Order No. 1724680000 |
| | | | | |

Technical data

| rechnical data | | | | |
|------------------------------------------------------------------|-----------------|------|------------------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
| Clamping range, max. | mm ² | | 0.186 | |
| Solid core H05(07) V-U | mm² | | 0.186 | i |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.224 | |
| Flexible with ferrule | mm ² | | 0.54 | |
| Ferrule with plastic collar | mm ² | | 0.52.5 | 5 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | | 0.8 x 4.0 | 0 |
| According to norm | | [| DIN 526 | 4 |
| Tightening torque range | Nm | | 0.50.6 | 3 |
| Rated current, max. | Α | 32 | | 32 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | |
| Rated current | Α | 30 | 30 | |
| AWG conductor | AWG | | 26-10 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | |
| Rated current | Α | 30 | 35 | |
| AWG conductor | AWG | | 26-10 | |
| General data | | | | |
| Type of insulation material | | W | /emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| | | | 0.5×1.0 |) |
| Pin dimensions = d | mm | | | |
| Pin dimensions = d Solder eyelet Ø = D Solder eyelet Ø tolerance | mm mm | | 1.3 + 0,1 | |

Accessories

| Note: Refer to the Ac | cessories chapter for additional acces | sories. |
|-----------------------|----------------------------------------|------------|
| Screwdriver | | Order No. |
| 1 | SDS 0.8X4.0X100 | 2749360000 |
| | SDIS 0.8X4.0X100 | 2749820000 |
| / | SDK PZ1 X 80 | 2749440000 |
| / | SDK PZ1 X 80 | 274944000 |









Representative deratings curve LL 9.52/../ 90

LL 9.52, multi-level



Double-level PCB terminal with our proven clamping yoke screw connection in 9.52 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- Block construction can be aligned together for higher pole counts.

Product data

IEC: 1000 V / 32 A / 0.18 - 6 mm² UL: 300 V / 30 A / AWG 26 - 10



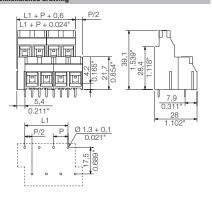
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL2N 9.52/../90







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.186 | 3 |
| Solid core H05(07) V-U | mm ² | | 0.186 | 6 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.224 | 1 |
| Flexible with ferrule | mm ² | | 0.52.9 | 5 |
| Ferrule with plastic collar | mm ² | | 0.52.5 | 5 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | (| 0.8 x 4. | 0 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | Nm | | 0.50.6 | 6 |
| Rated current, max. | Α | 32 | | 32 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | ll l |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 690 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | |
| Rated current | Α | 30 | 30 | |
| AWG conductor | AWG | | 26-10 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | |
| Rated current | Α | 30 | 30 | |
| AWG conductor | AWG | | 26-10 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.5 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|--------------------------------------------------------------------|------------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 0 | SDS 0.8X4.0X100 | 2749360000 | | | |
| | SDIS 0.8X4.0X100 | 2749820000 | | | |
| / | SDK PZ1 X 80 | 2749440000 | | | |

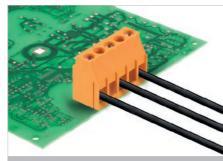
Ordering data

| Solder pin | length | | | 5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 9.52 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 9.52 | 3.750 | 10 | 1926350000 |
| 8 | 28.56 | 11.250 | 10 | 1926360000 |
| 12 | 47.60 | 18.750 | 10 | 1926370000 |
| 16 | 66.64 | 26.250 | 5 | 1926380000 |
| 20 | 85.68 | 33.750 | 5 | 1926390000 |
| 24 | 104.72 | 41.250 | 5 | 1926400000 |

Representative deratings curve LL2N 9.52/../90

°|∫|} 9.52

LL 10.00



Single-row PCB terminal with proven tension clamp screw connection on a 10.00 mm pitch suitable for conductor cross-sections up to 6.0 mm².

- Increased derating reserves through the use of the insulating material WEMID
- Conductor exit direction in 90° design

Product data

IEC: 1000 V / 32 A / 0.5 - 6 mm² UL: 300 V / 30 A / AWG 26 - 10



For additional articles and information, refer to eshop.weidmueller.com

Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LL 10.00/../90





- 11 0.433 0.65 0.026" Ø1.3+0.1 0.051" Hole pattern

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 10.00 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.00 | 0.394 | 100 | 2613390000 |
| 3 | 20.00 | 0.787 | 50 | 2613340000 |

Technical data

| C 61984 | ŀ | | |
|-----------------|----------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| mm ² | | | |
| mm ² | | 0.56 | |
| | | | |
| mm ² | | 0.54 | |
| mm ² | - 1 | 0.52.5 | 5 |
| $\mathrm{mm^2}$ | - 1 | 0.52.9 | 5 |
| mm | | 6 | |
| mm | (| 0.6 x 3. | 5 |
| | D | IN 526 | 4 |
| Nm | - 1 | 0.50.6 | 3 |
| Α | 32 | | 32 |
| | 20°C | | 40°C |
| | | | |
| | III | III | II |
| | 3 | 2 | 2 |
| | 0 | | _ |
| V | 630 | 630 | 1000 |
| V V | | _ | 1000 1000 |
| - | 630 | 630 | |
| - | 630 | 630 8 | 1000 |
| V | 630 8 B | 630 8 C | 1000 D |
| V | 630 8 B | 630 8 C | 1000 D 300 |
| V A AWG | 630 8 B | 630 8 C 150 | 1000 D 300 |
| V V A | 630 8 B 300 30 | 630 8 C 150 | 1000 D 300 10 |
| V A AWG | 630 8 B 300 30 | 630 8 C 150 | 1000 D 300 10 |
| V V A AWG | 630 8 B 300 30 B 300 | 630 8 C 150 | 1000 D 300 10 D 300 |
| V A AWG | 630 8 B 300 30 B 300 | 630 8 C 150 26-10 C | 1000 D 300 10 D 300 |
| V A AWG | 630 8 B 300 30 B 300 30 | 630 8 C 150 26-10 C | 1000 D 300 10 D 300 10 |
| V A AWG | 630 8 B 300 30 B 300 30 | 630 8 C 150 26-10 C | 1000 D 300 10 D 300 10 |
| V A AWG | 630 8 B 300 30 B 300 30 | 630 8 C 150 26-10 C 26-10 emid (F V-0 pper al | 1000 D 300 10 D 300 10 |
| V A AWG | 630 8 B 300 30 B 300 30 | 630 8 C 150 26-10 C | 1000 D 300 10 D 300 10 |
| V A AWG | 630 8 8 300 30 8 300 30 | 630 8 C 150 26-10 C 26-10 emid (F V-0 pper al | 1000 D 300 10 D 300 10 |
| V A AWG V A AWG | 630 8 8 300 30 8 300 30 | 630 8 C 150 26-10 C 26-10 emid (F V-0 pper al tinned | 1000 D 300 10 D 300 10 |
| | mm² mm² mm² mm² mm² mm mm | mm² mm² mm² mm² mm² mm mm C Nm A 32 20°C | mm² 0.136 mm² 0.54 mm² 0.52.9 mm² 0.6.x.2.9 mm 6 mm 0.6.x.3. DIN 526 Nm 0.50.6 A 32 20°C |

Accessories

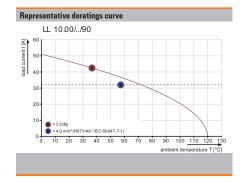
Note: Refer to the Accessories chapter for additional accessories.











PS 3.5/../90



Highly compact PCB terminal with leaf spring screw connection in 3.5 mm pitch for wire cross-sections up to 1.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 16



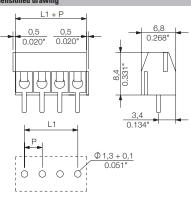
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
 The data given under CSA relates to a cUL approval E60693
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- $\bullet\,$ It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

PS 3.5/../90







Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | | | |
|-------------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | .081. | |
| Solid core H05(07) V-U | mm² | (|).21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | |
| Flexible with ferrule | mm ² | 0. | 250.7 | 75 |
| Ferrule with plastic collar | mm ² | 0. | 250.7 | 75 |
| Stripping length | mm | | 4 | |
| Screwdriver blade | mm | (|).4 x 2. | 5 |
| According to norm | | D | IN 526 | 4 |
| Tightening torque range | Nm | 0 | .20.2 | 5 |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 10 | | |
| AWG conductor | AWG | | 28-16 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | Ά) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | , |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 0.8 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| | | | | |

Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| Ø | SDIS 0.6X3.5X100 | 2749810000 |
| | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1912320000 |
| 3 | 7.00 | 0.276 | 100 | 1912330000 |
| 4 | 10.50 | 0.413 | 100 | 1912340000 |
| 5 | 14.00 | 0.551 | 100 | 1912350000 |
| 6 | 17.50 | 0.689 | 100 | 1912360000 |
| 7 | 21.00 | 0.827 | 100 | 1912370000 |
| 8 | 24.50 | 0.965 | 100 | 1912380000 |
| 9 | 28.00 | 1.102 | 100 | 1912390000 |
| 10 | 31.50 | 1.240 | 100 | 1912400000 |
| 11 | 35.00 | 1.378 | 100 | 1912410000 |
| 12 | 38.50 | 1.516 | 100 | 1912420000 |
| | | | | |

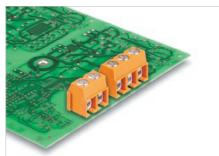






Representative deratings curve PS 3.5/../90

PM 5.00/../90



PCB terminal with leaf spring screw connection in 5.00 and 5.08 mm pitches for wire cross-sections up to 2.5 mm²

- · Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

In compliance with IEC 60664-1 / IEC 61984

0.13...2.5

0.13...2.5

0.13...2.5

0.25...1.5

0.25...1.5

0.6 x 3.5

DIN 5264

0.4...0.5

24

40°C

4

300

10

D C

300

10

26-14

Wemid (PA)

V-0

Cu-allov

tinned

1.0

1.3

+ 0,1

mm²

mm²

 $\,\mathrm{mm^2}$

mm²

mm²

mm

mm

Nm

Α 24

٧ 250 250 600

kV 4

> ٧ 300

> ٧ 300

Α 15

AWG

mm

mm

AWG

20°C

Ш Ш Ш

В C D

15

В

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Screwdriver blade

Solid core H05(07) V-U

Ferrule with plastic collar

Tightening torque range

Rated current, max.

At ambient temperature For conductor cross-section Overvoltage category

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor CSA (Use Group)

Rated voltage

Rated current

AWG conductor

General data Type of insulation material

UL 94 flammability rating

Material of contact surface

Solder eyelet Ø tolerance

Contact base material

Pin dimensions = d

Solder eyelet Ø = D

Rated impulse voltage

UL / CUL (Use Group)

According to norm

• 2- and 3-pole block construction - can be aligned together for higher pole counts.

Product data

IEC: 600 V / 24 A / 0.13 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - 14



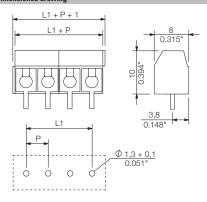
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- . Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

PM 5.00/../90







Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| 0 | SDIS 0.6X3.5X100 | 2749810000 |
| | | |
| / | | |

Ordering data

Representative deratings curve

PM 5.00/../90 & PM 5.08/../90

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.5 mm |
| Colour | | | | orange |
| Pitch | 5.00 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 500 | 1791610000 |
| 3 | 10.00 | 0.394 | 500 | 1791620000 |
| 4 | 15.00 | 0.591 | 100 | 1234650000 |
| 5 | 20.00 | 0.787 | 100 | 1234670000 |
| 6 | 25.00 | 0.394 | 100 | 1234680000 |
| 7 | 30.00 | 1.181 | 100 | 1234690000 |
| 8 | 35.00 | 1.378 | 100 | 1234700000 |
| 9 | 40.00 | 1.575 | 100 | 1234710000 |
| 10 | 45.00 | 1.772 | 100 | 1234720000 |
| 11 | 50.00 | 1.969 | 100 | 1234730000 |
| 12 | 55.00 | 2.165 | 100 | 1234740000 |

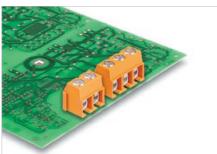






Weidmüller 🏖 2977770000

PM 5.08/../90



PCB terminal with leaf spring screw connection in 5.00 and 5.08 mm pitches for wire cross-sections up to 2.5 mm².

- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 600 V / 24 A / 0.13 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - 14



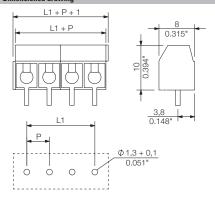
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
 The data given under CSA relates to a cUL approval E60693
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

PM 5.08/../90







Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | ļ | | | |
|------------------------------------------------------------------|-----------------|------------|-----------|------|--|
| Clamping range, max. | mm ² | C | .132. | 5 | |
| Solid core H05(07) V-U | mm² | 0 | .132 | .5 | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | C | .132. | 5 | |
| Flexible with ferrule | mm ² | C |).251. | 5 | |
| Ferrule with plastic collar | mm ² | C |).251. | 5 | |
| Stripping length | mm | | 6 | | |
| Screwdriver blade | mm | (| 0.6 x 3. | 5 | |
| According to norm | | 0 | IN 526 | 4 | |
| Tightening torque range | Nm | | 0.40. | 5 | |
| Rated current, max. | Α | 24 | | 24 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 250 60 | | 600 | |
| Rated impulse voltage | kV | 4 4 4 | | | |
| UL / CUL (Use Group) | | B C D | | | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 15 | | 10 | |
| AWG conductor | AWG | | 26-14 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 15 | | 10 | |
| AWG conductor | AWG | | 26-14 | | |
| General data | | | | | |
| Type of insulation material | | Wemid (PA) | | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | | tinned | | |
| | | 1.0 | | | |
| Pin dimensions = d | mm | 1.0 | | | |
| Pin dimensions = d Solder eyelet Ø = D Solder evelet Ø tolerance | mm mm | | 1.3 + 0,1 | | |

Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| Ø | SDIS 0.6X3.5X100 | 2749810000 |
| | | |

Ordering data

| mm |
|-------|
| nge |
| |
| No. |
| 90000 |
| 00000 |
| 50000 |
| 70000 |
| 80000 |
| 90000 |
| 00000 |
| 10000 |
| 20000 |
| 30000 |
| 40000 |
| |

Representative deratings curve PM 5.00/../90 & PM 5.08/../90

ژاره **5.08**



LSF-SMT 3.5/../90



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

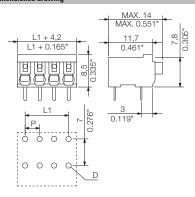
LSF-SMT 3.5/../90

Reflow-compatible PCB terminal





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | | |
|--------------------------------|-----------------|---------|----------|------|--|
| Clamping range, max. | mm ² | 0.131.5 | | | |
| Solid core H05(07) V-U | mm ² | (|).21.! | 5 | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | - 1 | 0.21.5 | 5 | |
| Flexible with ferrule | mm ² | 0 | .251. | 5 | |
| Ferrule with plastic collar | mm ² | 0. | 250.7 | 75 | |
| Stripping length | mm | | 8 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | Ш | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 160 160 | | 320 | |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 12 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | A | 10 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| General data | | | | | |
| Type of insulation material | | | LCP GF | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | | Cu-alloy | | |
| Material of contact surface | | | 05.0 | _ | |
| Pin dimensions = d | mm | 0 | .35 x 0. | 8 | |
| Solder eyelet Ø = D | mm | | 1.1 | | |
| Solder eyelet Ø tolerance | mm | + 0,1 | | | |

Accessories

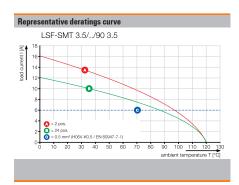
| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|--|--|
| Screwdriver | | Order No. | | | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | | | | |
| | SDIS 0.4X2.5X75 | 2749790000 | | | | |
| / | | | | | | |

Ordering data

| | 9 | | | | |
|------|------------|---------|------|------------|------------|
| Sold | er pin leı | ngth | | 1.5 mm | 3.5 mm |
| Colo | ur | | | black | black |
| Pito | h | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.50 | 0.138 | 71 | 1870500000 | 1824420000 |
| 3 | 7.00 | 0.276 | 49 | 1870530000 | 1824430000 |
| 4 | 10.50 | 0.413 | 37 | 1870550000 | 1824440000 |
| 5 | 14.00 | 0.551 | 30 | 1870580000 | 1824450000 |
| 6 | 17.50 | 0.689 | 25 | 1870590000 | 1824460000 |
| 7 | 21.00 | 0.827 | 21 | 1871020000 | 1824470000 |
| 8 | 24.50 | 0.965 | 19 | 1871030000 | 1824480000 |
| 9 | 28.00 | 1.102 | 17 | 1871040000 | 1824490000 |
| 10 | 31.50 | 1.240 | 15 | 1871050000 | 1824500000 |
| 11 | 35.00 | 1.378 | 14 | 1871060000 | 1824510000 |
| 12 | 38.50 | 1.516 | 12 | 1871070000 | 1824520000 |

°|(() **3.50**





.46 **Weidmüller №** 2977770000

LSF-SMT 3.5/../90 Tape

Reflow-compatible PCB terminal



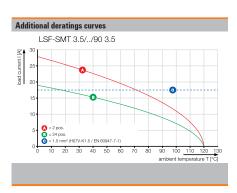


Nimensioned drawing

Ordering data

| Oruo | ııng u | utu | | | |
|-----------------------------|-------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
| Colo | ur | | | black | black |
| Pitc | h | 3.50 mm | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.50 | 0.138 | 265 | 1874690000 | 1874990000 |
| 3 | 7.00 | 0.276 | 265 | 1874710000 | 1875030000 |
| 4 | 10.50 | 0.413 | 265 | 1874730000 | 1875050000 |
| 5 | 14.00 | 0.551 | 265 | 1874740000 | 1875070000 |
| 6 | 17.50 | 0.689 | 265 | 1874810000 | 1875080000 |
| 7 | 21.00 | 0.827 | 265 | 1874840000 | 1875100000 |
| 8 | 24.50 | 0.965 | 265 | 1874890000 | 1875110000 |
| 9 | 28.00 | 1.102 | 265 | 1874900000 | 1875120000 |
| 10 | 31.50 | 1.240 | 265 | 1874930000 | 1875130000 |
| 11 | 35.00 | 1.378 | 265 | 1874940000 | 1875140000 |
| 12 | 38.50 | 1.516 | 265 | 1874970000 | 1875160000 |
| 5 6 7 8 9 10 | 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 0.551 0.689 0.827 0.965 1.102 1.240 1.378 | 265 265 265 265 265 265 265 265 | 1874740000 1874810000 1874840000 1874890000 1874900000 1874930000 1874940000 | 1875 1875 1875 1875 1875 1875 1875 |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 3.5/../135



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

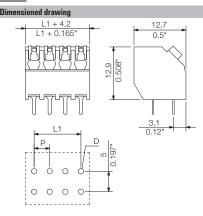
- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.5/../135

Reflow-compatible PCB terminal







Technical data Acces

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|-------------|----------|------|
| Clamping range, max. | mm ² | (| 0.131. | 5 |
| Solid core H05(07) V-U | mm ² | | 0.21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21. | 5 |
| Flexible with ferrule | mm ² | (| 0.251. | 5 |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 75 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 2 | | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 2.5 2.5 | | |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 12 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | C |).35 x 0 | .8 |
| Solder eyelet $\emptyset = D$ | mm | | 1.1 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

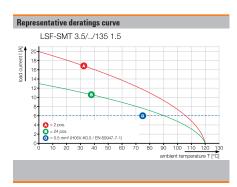
| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|
| Screwdriver | | Order No. | | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | | |
| - | SDIS 0.4X2.5X75 | 2749790000 | | | | |
| / | | | | | | |

Ordering data

| Sold | ler pin le | ngth | | 1.5 mm | 3.5 mm |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 3.50 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.50 | 0.138 | 71 | 1885180000 | 1885650000 |
| 3 | 7.00 | 0.276 | 49 | 1885190000 | 1885660000 |
| 4 | 10.50 | 0.413 | 37 | 1885200000 | 1885670000 |
| 5 | 14.00 | 0.551 | 30 | 1885210000 | 1885680000 |
| 6 | 17.50 | 0.689 | 25 | 1885220000 | 1885690000 |
| 7 | 21.00 | 0.827 | 21 | 1885230000 | 1885700000 |
| 8 | 24.50 | 0.965 | 19 | 1885240000 | 1885710000 |
| 9 | 28.00 | 1.102 | 17 | 1885250000 | 1885720000 |
| 10 | 31.50 | 1.240 | 15 | 1885260000 | 1885730000 |
| 11 | 35.00 | 1.378 | 14 | 1885270000 | 1885740000 |
| 12 | 38.50 | 1.516 | 12 | 1885280000 | 1885750000 |







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LSF-SMT 3.5/../135 Tape

Reflow-compatible PCB terminal



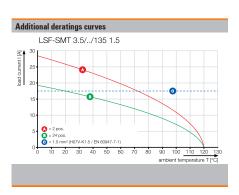


Dimensioned drawing

Ordering data

| | cining t | | | | |
|------|-----------|--------|------|------------|------------|
| Sol | der pin l | ength | | 1.5 mm | 3.5 mm |
| Col | our | | | black | black |
| Pit | ch | 3.50 n | nm | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.50 | 0.138 | 190 | 1887550000 | 1887340000 |
| 3 | 7.00 | 0.276 | 190 | 1887560000 | 1887350000 |
| 4 | 10.50 | 0.413 | 190 | 1887580000 | 1887360000 |
| 5 | 14.00 | 0.551 | 190 | 1887630000 | 1887460000 |
| 6 | 17.50 | 0.689 | 190 | 1887640000 | 1887470000 |
| 7 | 21.00 | 0.827 | 190 | 1887650000 | 1887480000 |
| 8 | 24.50 | 0.965 | 190 | 1887660000 | 1887490000 |
| 9 | 28.00 | 1.102 | 190 | 1887670000 | 1887500000 |
| 10 | 31.50 | 1.240 | 190 | 1887680000 | 1887510000 |
| 11 | 35.00 | 1.378 | 190 | 1887690000 | 1887520000 |
| 12 | 38.50 | 1.516 | 190 | 1887700000 | 1887530000 |

Belt widths: 32, 44, 56, 72, 88



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LSF-SMT 3.5/../180



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- $\bullet\,$ Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

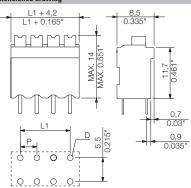
LSF-SMT 3.5/../180

Reflow-compatible PCB terminal





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|-------------|----------|------|
| Clamping range, max. | mm ² | (|).131. | 5 |
| Solid core H05(07) V-U | mm ² | - 1 | 0.21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21. | 5 |
| Flexible with ferrule | mm ² | (|).251. | 5 |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 75 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 160 | | 320 |
| Rated impulse voltage | kV | 2.5 2.5 2.5 | | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 12 | | 10 |
| AWG conductor | AWG | | 28-14 | _ |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | LCP GF | | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 0 | .35 x 0 | .8 |
| Solder eyelet $\emptyset = D$ | mm | | 1.1 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|--|
| Screwdriver | | Order No. | | | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | | | |
| - | SDIS 0.4X2.5X75 | 2749790000 | | | | | |
| / | | | | | | | |

Ordering data

| Sold | ler pin le | ngth | | 1.5 mm | 3.5 mm |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | ch | 3.50 mi | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.50 | 0.138 | 71 | 1870640000 | 1825640000 |
| 3 | 7.00 | 0.276 | 49 | 1870650000 | 1825650000 |
| 4 | 10.50 | 0.413 | 37 | 1870660000 | 1825660000 |
| 5 | 14.00 | 0.551 | 30 | 1870670000 | 1825670000 |
| 6 | 17.50 | 0.689 | 25 | 1870680000 | 1825680000 |
| 7 | 21.00 | 0.827 | 21 | 1870690000 | 1825690000 |
| 8 | 24.50 | 0.965 | 19 | 1870700000 | 1825700000 |
| 9 | 28.00 | 1.102 | 17 | 1870710000 | 1825710000 |
| 10 | 31.50 | 1.240 | 15 | 1870720000 | 1825720000 |
| 11 | 35.00 | 1.378 | 14 | 1870730000 | 1825730000 |
| 12 | 38.50 | 1.516 | 12 | 1870740000 | 1825740000 |
| | | | | | |

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LSF-SMT 3.5/../180 Tape

Reflow-compatible PCB terminal



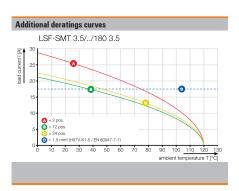


Dimensioned drawing

Ordering data

| Or dorning dutu | | | | | | | |
|-----------------|-----------|---------|------|------------|------------|--|--|
| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm | | |
| Colo | ur | | | black | black | | |
| Pitc | h | 3.50 mr | n | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. | | |
| 2 | 3.50 | 0.138 | 175 | 1874490000 | 1874510000 | | |
| 3 | 7.00 | 0.276 | 175 | 1874300000 | 1874520000 | | |
| 4 | 10.50 | 0.413 | 175 | 1874280000 | 1874540000 | | |
| 5 | 14.00 | 0.551 | 175 | 1874310000 | 1874560000 | | |
| 6 | 17.50 | 0.689 | 175 | 1874320000 | 1874590000 | | |
| 7 | 21.00 | 0.827 | 175 | 1874340000 | 1874600000 | | |
| 8 | 24.50 | 0.965 | 175 | 1874350000 | 1874610000 | | |
| 9 | 28.00 | 1.102 | 175 | 1874370000 | 1874620000 | | |
| 10 | 31.50 | 1.240 | 175 | 1874380000 | 1874640000 | | |
| 11 | 35.00 | 1.378 | 175 | 1874400000 | 1874660000 | | |
| 12 | 38.50 | 1.516 | 175 | 1874420000 | 1874680000 | | |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 3.81/../90



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

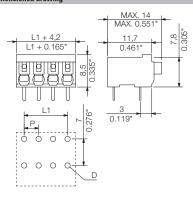
LSF-SMT 3.81/../90

Reflow-compatible PCB terminal





Dimensioned drawi



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | | |
|--------------------------------|-----------------|----------|----------|------|--|
| Clamping range, max. | mm ² | (|).131. | 5 | |
| Solid core H05(07) V-U | mm ² | 0.21.5 | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | ; | |
| Flexible with ferrule | mm ² | (|).251. | 5 | |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 5 | |
| Stripping length | mm | | 8 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | Ш | Ш | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 160 | 160 | 320 | |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 12 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 10 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| General data | | | | | |
| Type of insulation material | | | LCP GF | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | | | | |
| Pin dimensions = d | mm | 0 | .35 x 0. | 8 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.1 | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | | |

Accessories

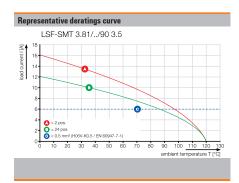
| Note: Refer to the Accessories chapter for additional accessories. | | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|--|
| Screwdriver | | Order No. | | | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | | | |
| | SDIS 0.4X2.5X75 | 2749790000 | | | | | |
| / | | | | | | | |

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pitc | h | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.81 | 0.150 | 69 | 1869360000 | 1824620000 |
| 3 | 7.62 | 0.300 | 46 | 1869370000 | 1824630000 |
| 4 | 11.43 | 0.450 | 35 | 1869380000 | 1824640000 |
| 5 | 15.24 | 0.600 | 28 | 1869390000 | 1824650000 |
| 6 | 19.05 | 0.750 | 23 | 1869400000 | 1824660000 |
| 7 | 22.86 | 0.900 | 20 | 1869410000 | 1824690000 |
| 8 | 26.67 | 1.050 | 17 | 1869420000 | 1824700000 |
| 9 | 30.48 | 1.200 | 15 | 1869430000 | 1824710000 |
| 10 | 34.29 | 1.350 | 14 | 1869440000 | 1824720000 |
| 11 | 38.10 | 1.500 | 13 | 1869450000 | 1824730000 |
| 12 | 41.91 | 1.650 | 12 | 1869460000 | 1825300000 |
| | | | | | |

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LSF-SMT 3.81/../90 Tape

Reflow-compatible PCB terminal



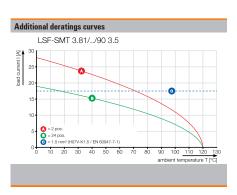


Dimensioned drawing

Ordering data

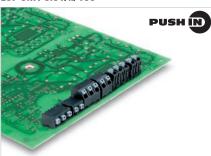
| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm | | |
|------|-----------|---------|------|------------|------------|--|--|
| Colo | ur | | | black | black | | |
| Pitc | h | 3.81 mr | n | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. | | |
| 2 | 3.81 | 0.150 | 265 | 1875170000 | 1875920000 | | |
| 3 | 7.62 | 0.300 | 265 | 1875230000 | 1875930000 | | |
| 4 | 11.43 | 0.450 | 265 | 1875240000 | 1875940000 | | |
| 5 | 15.24 | 0.600 | 265 | 1875250000 | 1875950000 | | |
| 6 | 19.05 | 0.750 | 265 | 1875260000 | 1875960000 | | |
| 7 | 22.86 | 0.900 | 265 | 1875270000 | 1875970000 | | |
| 8 | 26.67 | 1.050 | 265 | 1875280000 | 1875980000 | | |
| 9 | 30.48 | 1.200 | 265 | 1875290000 | 1875990000 | | |
| 10 | 34.29 | 1.350 | 265 | 1875300000 | 1876000000 | | |
| 11 | 38.10 | 1.500 | 265 | 1875310000 | 1876010000 | | |

Belt widths: 32, 44, 56, 72, 88



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LSF-SMT 3.81/../135



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

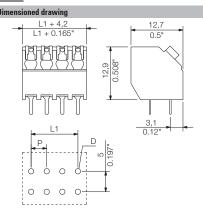
- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.81/../135

Reflow-compatible PCB terminal







Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | | | | |
|----------------------------------|-----------------|----------|----------|------|--|
| Clamping range, max. | mm ² | 0.131.5 | | | |
| Solid core H05(07) V-U | mm² | 0.21.5 | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | ; | |
| Flexible with ferrule | mm ² | (| .251. | 5 | |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 5 | |
| Stripping length | mm | | 8 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | Ш | Ш | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 160 | 160 | 320 | |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 12 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 10 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| General data | | | | | |
| Type of insulation material | | | LCP GF | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | | | | |
| Pin dimensions = d | mm | 0 | .35 x 0. | 8 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.1 | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | | |

Accessories

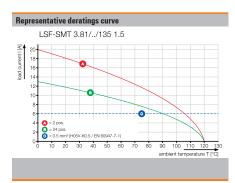
| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|
| Screwdriver | | Order No. | | | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | | | | |
| | SDIS 0.4X2.5X75 | 2749790000 | | | | |
| / | | | | | | |

Ordering data

| Sold | ler pin leı | ngth | | 1.5 mm | 3.5 mm | | | |
|------|-------------|---------|------|------------|------------|--|--|--|
| Colo | ur | | | black | black | | | |
| Pito | h | 3.81 mr | n | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. | | | |
| 2 | 3.81 | 0.150 | 69 | 1885410000 | 1885880000 | | | |
| 3 | 7.62 | 0.300 | 46 | 1885420000 | 1885890000 | | | |
| 4 | 11.43 | 0.450 | 35 | 1885430000 | 1885900000 | | | |
| 5 | 15.24 | 0.600 | 28 | 1885440000 | 1885910000 | | | |
| 6 | 19.05 | 0.750 | 23 | 1885450000 | 1885920000 | | | |
| 7 | 22.86 | 0.900 | 20 | 1885460000 | 1885930000 | | | |
| 8 | 26.67 | 1.050 | 17 | 1885470000 | 1885940000 | | | |
| 9 | 30.48 | 1.200 | 15 | 1885480000 | 1885950000 | | | |
| 10 | 34.29 | 1.350 | 14 | 1885490000 | 1885960000 | | | |
| 11 | 38.10 | 1.500 | 13 | 1885510000 | 1885970000 | | | |
| 12 | 41.91 | 1.650 | 12 | 1885520000 | 1885980000 | | | |

3.81





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LSF-SMT 3.81/../135 Tape

Reflow-compatible PCB terminal



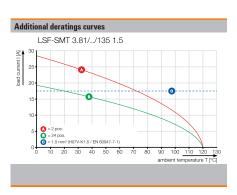


Dimensioned drawing

Ordering data

| _ | | | | | | | | |
|-----|---------------------|--------|---------|------|------------|------------|--|--|
| ; | Solder _l | pin le | ngth | | 1.5 mm | 3.5 mm | | |
| - (| Colour | | | | black | black | | |
| F | Pitch | | 3.81 mn | n | | | | |
| P | ol. | L1 | (inch) | Qty. | Order No. | Order No. | | |
| 2 | 2 | 3.81 | 0.150 | 175 | 1888450000 | 1888320000 | | |
| 3 | 3 | 7.62 | 0.300 | 190 | 1888460000 | 1888330000 | | |
| 4 | 1 | 1.43 | 0.450 | 190 | 1888470000 | 1888340000 | | |
| -5 | i 1 | 5.24 | 0.600 | 190 | 1888480000 | 1888380000 | | |
| -6 | 3 1 | 9.05 | 0.750 | 190 | 1888490000 | 1888390000 | | |
| 7 | 2 | 2.86 | 0.900 | 190 | 1888500000 | 1888400000 | | |
| -8 | 3 2 | 6.67 | 1.050 | 190 | 1888510000 | 1888410000 | | |
| 9 | 3 | 0.48 | 1.200 | 190 | 1888520000 | 1888420000 | | |
| 1 | 0 3 | 4.29 | 1.350 | 190 | 1888530000 | 1888430000 | | |
| 1 | 1 3 | 8.10 | 1.500 | 190 | 1888540000 | 1888440000 | | |
| | | | | | | | | |

Belt widths: 32, 44, 56, 72, 88



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LSF-SMT 3.81/../180



PCB terminal for fully automatic assembly in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- $\bullet\,$ Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 3.81/../180

Reflow-compatible PCB terminal





Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | | |
|--------------------------------|-----------------|----------|----------|------|--|
| Clamping range, max. | mm ² | |).131. | - | |
| Solid core H05(07) V-U | mm² | 0.21.5 | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | ; | |
| Flexible with ferrule | mm ² | (|).251. | 5 | |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 5 | |
| Stripping length | mm | | 8 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 160 | 160 | 320 | |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 12 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 10 | | 10 | |
| AWG conductor | AWG | | 28-14 | | |
| General data | | | | | |
| Type of insulation material | | LCP GF | | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | | | | |
| Pin dimensions = d | mm | 0 | .35 x 0. | 8 | |
| Solder eyelet Ø = D | mm | | 1.1 | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | | |

Accessories

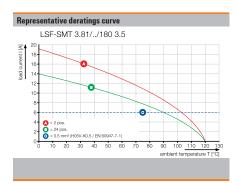
| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | |
| | SDIS 0.4X2.5X75 | 2749790000 | | | |
| / | | | | | |

Ordering data

| Solder pin length | | | | 1.5 mm | 3.5 mm |
|-------------------|-------|--------|------|------------|------------|
| Colo | ur | | | black | black |
| Pitch 3.81 mm | | | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.81 | 0.150 | 69 | 1869890000 | 1825790000 |
| 3 | 7.62 | 0.300 | 46 | 1869900000 | 1825800000 |
| 4 | 11.43 | 0.450 | 35 | 1869910000 | 1825810000 |
| 5 | 15.24 | 0.600 | 28 | 1869920000 | 1825820000 |
| 6 | 19.05 | 0.750 | 23 | 1869930000 | 1825830000 |
| 7 | 22.86 | 0.900 | 20 | 1869940000 | 1825840000 |
| 8 | 26.67 | 1.050 | 17 | 1869950000 | 1825850000 |
| 9 | 30.48 | 1.200 | 15 | 1869960000 | 1825870000 |
| 10 | 34.29 | 1.350 | 14 | 1869970000 | 1825880000 |
| 11 | 38.10 | 1.500 | 13 | 1870000000 | 1825890000 |
| 12 | 41.91 | 1.650 | 12 | 1870010000 | 1825920000 |

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LSF-SMT 3.81/../180 Tape

Reflow-compatible PCB terminal



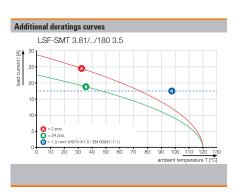


Dimensioned drawing

Ordering data

| or dorning data | | | | | |
|-------------------|-------|--------|------|------------|------------|
| Solder pin length | | | | 1.5 mm | 3.5 mm |
| Colo | ur | | | black | black |
| Pitch 3.81 mm | | | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.81 | 0.150 | 175 | 1875320000 | 1875550000 |
| 3 | 7.62 | 0.300 | 175 | 1875330000 | 1875570000 |
| 4 | 11.43 | 0.450 | 175 | 1875340000 | 1875590000 |
| 5 | 15.24 | 0.600 | 175 | 1875350000 | 1875650000 |
| 6 | 19.05 | 0.750 | 175 | 1875360000 | 1875670000 |
| 7 | 22.86 | 0.900 | 175 | 1875370000 | 1875680000 |
| 8 | 26.67 | 1.050 | 175 | 1875380000 | 1875710000 |
| 9 | 30.48 | 1.200 | 175 | 1875390000 | 1875730000 |
| 10 | 34.29 | 1.350 | 175 | 1875400000 | 1875760000 |
| 11 | 38.10 | 1.500 | 175 | 1875410000 | 1875810000 |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 5.00/../90



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to $1.5\ mm^2$. Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

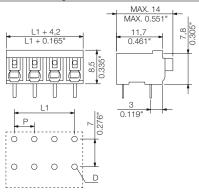
- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LSF-SMT 5.00/../90

Reflow-compatible PCB terminal







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | | |
|--------------------------------|-----------------|-----------|--------|------|--|
| Clamping range, max. | mm ² | 0.131.5 | | | |
| Solid core H05(07) V-U | mm ² | 0.21.5 | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | 5 | |
| Flexible with ferrule | mm ² | C |).251. | 5 | |
| Ferrule with plastic collar | mm ² | 0. | .250.7 | 75 | |
| Stripping length | mm | | 8 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 | |
| At ambient temperature | | 20°C 40°C | | | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 | 320 | 500 | |
| Rated impulse voltage | kV | 4 | 4 | 4 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage V 300 | | | | 300 | |
| Rated current | Α | 12 10 | | | |
| AWG conductor | AWG | 28-14 | | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | A | 10 10 | | 10 | |
| AWG conductor | AWG | 28-14 | | | |
| General data | | | | | |
| Type of insulation material | | LCP GF | | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | | | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet $\emptyset = D$ | mm | | | | |
| Solder eyelet Ø tolerance | mm | + 0,1 | | | |

Accessories

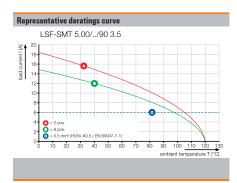
| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | |
| | SDIS 0.4X2.5X75 | 2749790000 | | | |
| / | | | | | |

Ordering data

| Solder pin length | | | 1.5 mm | 3.5 mm | |
|-------------------|-------|--------|--------|------------|------------|
| Colo | ur | | | black | black |
| Pitch 5.00 mm | | | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 5.00 | 0.197 | 60 | 1869600000 | 1824740000 |
| 3 | 10.00 | 0.394 | 39 | 1869610000 | 1824750000 |
| 4 | 15.00 | 0.591 | 28 | 1869620000 | 1824760000 |
| 5 | 20.00 | 0.788 | 22 | 1869630000 | 1824770000 |
| 6 | 25.00 | 0.985 | 18 | 1869640000 | 1824780000 |
| 7 | 30.00 | 1.182 | 16 | 1869650000 | 1824790000 |
| 8 | 35.00 | 1.379 | 14 | 1869660000 | 1824800000 |







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LSF-SMT 5.00/../90 Tape

Reflow-compatible PCB terminal



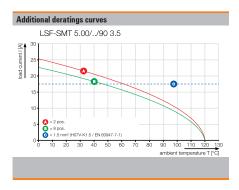


Dimensioned drawing

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm | | |
|------|-----------|---------|------|------------|------------|--|--|
| Colo | ur | | | black | black | | |
| Pito | h | 5.00 mr | n | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. | | |
| 2 | 5.00 | 0.197 | 265 | 1876240000 | 1876430000 | | |
| 3 | 10.00 | 0.394 | 265 | 1876260000 | 1876510000 | | |
| 4 | 15.00 | 0.591 | 265 | 1876270000 | 1876530000 | | |
| 5 | 20.00 | 0.788 | 265 | 1876280000 | 1876550000 | | |
| 6 | 25.00 | 0.985 | 265 | 1876300000 | 1876560000 | | |
| 7 | 30.00 | 1.182 | 265 | 1876330000 | 1876540000 | | |
| 8 | 35.00 | 1.379 | 265 | 1876350000 | 1876520000 | | |

Belt widths: 32, 44, 56, 72, 88



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LSF-SMT 5.00/../135



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

In compliance with IEC 60664-1 / IEC 61984

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Screwdriver blade

Solid core H05(07) V-U

Ferrule with plastic collar

At ambient temperature

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor CSA (Use Group)

Rated voltage

Rated current

AWG conductor

General data

Type of insulation material UL 94 flammability rating

Material of contact surface

Solder eyelet Ø tolerance

Contact base material

Pin dimensions = d

Solder eyelet Ø = D

Rated impulse voltage

UL / CUL (Use Group)

For conductor cross-section Overvoltage category

According to norm Tightening torque range Rated current, max.

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

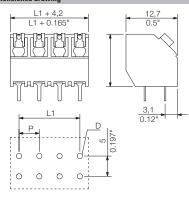
LSF-SMT 5.00/../135

Reflow-compatible PCB terminal





Dimensioned drawin



Accessories

0.13...1.5

0.2...1.5

0.2...1.5

0.25...1.5

0.25...0.75

8

17.5

40°C

4

D

300

10

C D

300

10

28-14

LCP GF

V-0

Cu-alloy

0.35 x 0.8

1.1

+ 0,1

mm²

mm²

 mm^2

mm²

mm²

mm

mm

17.5

III III II

В

12

В

V 250 320 500

kV 4

V 300

V 300

A 10

AWG

mm

mm

AWG

| Screwdriver | cessories chapter for additional access | Order No. |
|-------------|-----------------------------------------|------------|
| Ø | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

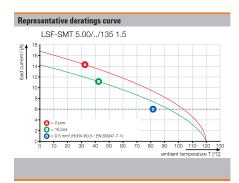
Ordering data

| Sold | ler pin le | ngth | | 1.5 mm | 3.5 mm |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | ch | 5.00 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 5.00 | 0.197 | 60 | 1884530000 | 1884340000 |
| 3 | 10.00 | 0.394 | 39 | 1884540000 | 1884370000 |
| 4 | 15.00 | 0.591 | 28 | 1884550000 | 1884380000 |
| 5 | 20.00 | 0.787 | 22 | 1884560000 | 1884390000 |
| 6 | 25.00 | 0.984 | 18 | 1884570000 | 1884400000 |
| 7 | 30.00 | 1.181 | 16 | 1884580000 | 1884410000 |
| 8 | 35.00 | 1.378 | 14 | 1884590000 | 1884420000 |
| 9 | 40.00 | 1.575 | 12 | 1884600000 | 1884430000 |
| 10 | 45.00 | 1.772 | 11 | 1884660000 | 1884440000 |
| 11 | 50.00 | 1.969 | 10 | 1884670000 | 1884450000 |
| 12 | 55.00 | 2.165 | 9 | 1884680000 | 1884460000 |

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LSF-SMT 5.00/../135 Tape

Reflow-compatible PCB terminal



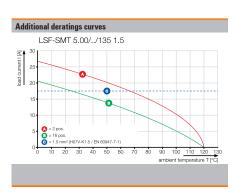


Dimensioned drawing

Ordering data

| Sold | Solder pin length | | | 1.5 mm | 3.5 mm | |
|------|-------------------|---------|------|------------|------------|--|
| Colo | ur | | | black | black | |
| Pito | h | 5.00 mr | n | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. | |
| 2 | 5.00 | 0.197 | 190 | 1888570000 | 1888640000 | |
| 3 | 10.00 | 0.394 | 190 | 1888580000 | 1888650000 | |
| 4 | 15.00 | 0.591 | 190 | 1888590000 | 1888660000 | |
| 5 | 20.00 | 0.787 | 190 | 1888600000 | 1888670000 | |
| 6 | 25.00 | 0.984 | 190 | 1888610000 | 1888680000 | |
| 7 | 30.00 | 1.181 | 190 | 1888620000 | 1888690000 | |
| 8 | 35.00 | 1.378 | 190 | 1888630000 | 1888700000 | |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 5.00/../180



PCB terminal for fully automatic assembly in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

In compliance with IEC 60664-1 / IEC 61984

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Screwdriver blade

Solid core H05(07) V-U

Ferrule with plastic collar

At ambient temperature

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor CSA (Use Group)

Rated voltage

Rated current

AWG conductor

Type of insulation material UL 94 flammability rating

Material of contact surface

Solder eyelet Ø tolerance

Contact base material

Pin dimensions = d

Solder eyelet Ø = D

General data

Rated impulse voltage

UL / CUL (Use Group)

For conductor cross-section Overvoltage category

According to norm Tightening torque range Rated current, max.

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

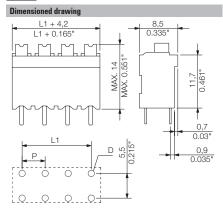
- · Additional push button colours on request
- Operating force of slider max. 40 N
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 5.00/../180

Reflow-compatible PCB terminal







Accessories

0.13...1.5

0.2...1.5

0.2...1.5

0.25...1.5

0.25...0.75

8

17.5

40°C

4

300

10

C D

300

10

28-14

LCP GF

V-0

Cu-alloy

0.35 x 0.8

1.1

+ 0,1

mm²

mm²

 mm^2

mm²

mm²

mm

mm

17.5

III III II

B C D

12

В

V 250 320 500

kV 4

V 300

V 300

A 10

AWG

mm

mm

AWG

| Note: Refer to the | Accessories chapter for additional accessories. | | | |
|--------------------|-------------------------------------------------|------------|--|--|
| Screwdriver | | Order No. | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | |
| 1 | SDIS 0.4X2.5X75 | 2749790000 | | |
| / | | | | |

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 5.00 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 5.00 | 0.197 | 60 | 1870140000 | 1825960000 |
| 3 | 10.00 | 0.394 | 39 | 1870150000 | 1825970000 |
| 4 | 15.00 | 0.591 | 28 | 1870160000 | 1825980000 |
| 5 | 20.00 | 0.787 | 22 | 1870170000 | 1825990000 |
| 6 | 25.00 | 0.984 | 18 | 1870180000 | 1826000000 |
| 7 | 30.00 | 1.181 | 16 | 1870190000 | 1826010000 |
| 8 | 35.00 | 1.378 | 14 | 1870200000 | 1826020000 |

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LSF-SMT 5.00/../180 Tape

Reflow-compatible PCB terminal



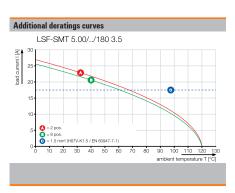


Dimensioned drawing

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm | | |
|------|-----------|---------|------|------------|------------|--|--|
| Colo | ur | | | black | black | | |
| Pito | h | 5.00 mr | n | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. | | |
| 2 | 5.00 | 0.197 | 175 | 1876020000 | 1876110000 | | |
| 3 | 10.00 | 0.394 | 175 | 1876030000 | 1876130000 | | |
| 4 | 15.00 | 0.591 | 175 | 1876050000 | 1876140000 | | |
| 5 | 20.00 | 0.787 | 175 | 1876060000 | 1876160000 | | |
| 6 | 25.00 | 0.984 | 175 | 1876070000 | 1876200000 | | |
| 7 | 30.00 | 1.181 | 175 | 1876080000 | 1876220000 | | |
| 8 | 35.00 | 1.378 | 175 | 1876090000 | 1876230000 | | |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 5.08/../90



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- . PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

In compliance with IEC 60664-1 / IEC 61984

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Screwdriver blade

Solid core H05(07) V-U

Ferrule with plastic collar

At ambient temperature

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor CSA (Use Group)

Rated voltage

Rated current

AWG conductor

Type of insulation material UL 94 flammability rating

Material of contact surface

Solder eyelet Ø tolerance

Contact base material

Pin dimensions = d

Solder eyelet Ø = D

General data

Rated impulse voltage

UL / CUL (Use Group)

For conductor cross-section Overvoltage category

According to norm Tightening torque range Rated current, max.

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

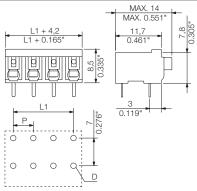
- · Additional push button colours on request
- Operating force of slider max. 40 N
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LSF-SMT 5.08/../90

Reflow-compatible PCB terminal







Accessories

0.13...1.5

0.2...1.5

0.2...1.5

0.25...1.5

0.25...0.75

8

17.5

40°C

4

300

10

D C

300

10

28-14

LCP GF

V-0

Cu-alloy

0.35 x 0.8

1.1

+ 0,1

mm²

mm²

 mm^2

mm²

mm²

mm

mm

17.5

Ш Ш Ш

В C D

12

В

V 250 320 500

kV 4

> ٧ 300

> ٧ 300

Α 10

AWG

mm

mm

AWG

| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Screwdriver | | Order No. |
| 0 | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Sold | er pin len | igth . | | 1.5 mm | 3.5 mm |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 5.08 | 0.200 | 59 | 1869670000 | 1824810000 |
| 3 | 10.16 | 0.400 | 38 | 1869680000 | 1824820000 |
| 4 | 15.24 | 0.600 | 28 | 1869690000 | 1824830000 |
| 5 | 20.32 | 0.800 | 22 | 1869700000 | 1824840000 |
| 6 | 25.40 | 1.000 | 18 | 1869710000 | 1824850000 |
| 7 | 30.48 | 1.200 | 15 | 1869720000 | 1824860000 |
| 8 | 35.56 | 1.400 | 13 | 1869730000 | 1824870000 |





Representative deratings curve LSF-SMT 5.08/../90 3.5

LSF-SMT 5.08/../90 Tape

Reflow-compatible PCB terminal



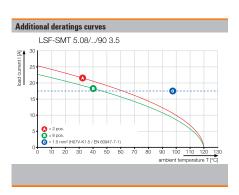


Dimensioned drawing

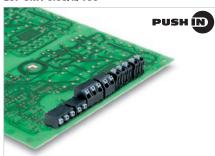
Ordering data

| Sold | er pin ler | ıgth | | 1.5 mm | 3.5 mm | | |
|---------------|------------|--------|------|------------|------------|--|--|
| Colo | ur | | | black | black | | |
| Pitch 5.08 mm | | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. | | |
| 2 | 5.08 | 0.200 | 265 | 1876480000 | 1876470000 | | |
| 3 | 10.16 | 0.400 | 265 | 1876440000 | 1876420000 | | |
| 4 | 15.24 | 0.600 | 265 | 1878520000 | 1876310000 | | |
| 5 | 20.32 | 0.800 | 265 | 1876210000 | 1876190000 | | |
| 6 | 25.40 | 1.000 | 265 | 1876150000 | 1876120000 | | |
| 7 | 30.48 | 1.200 | 265 | 1875720000 | 1875690000 | | |
| 8 | 35.56 | 1.400 | 265 | 1875520000 | 1875510000 | | |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 5.08/../135



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

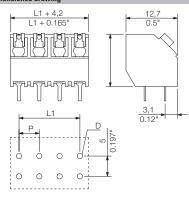
LSF-SMT 5.08/../135

Reflow-compatible PCB terminal





Dimensioned drawin



Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 5.08 mi | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 5.08 | 0.200 | 59 | 1884730000 | 1885020000 |
| 3 | 10.16 | 0.400 | 38 | 1884740000 | 1885030000 |
| 4 | 15.24 | 0.600 | 28 | 1884750000 | 1885040000 |
| 5 | 20.32 | 0.800 | 22 | 1884760000 | 1885050000 |
| 6 | 25.40 | 1.000 | 18 | 1884770000 | 1885060000 |
| 7 | 30.48 | 1.200 | 15 | 1884780000 | 1885070000 |
| 8 | 35.56 | 1.400 | 13 | 1884790000 | 1885080000 |
| 9 | 40.64 | 1.600 | 12 | 1884800000 | 1885090000 |
| 10 | 45.72 | 1.800 | 11 | 1884810000 | 1885100000 |
| 11 | 50.80 | 2.000 | 10 | 1884820000 | 1885110000 |
| 12 | 55.88 | 2.200 | 9 | 1884830000 | 1885120000 |
| | | | | | |

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|----------|-----------|------|
| Clamping range, max. | mm ² | (| 0.131. | 5 |
| Solid core H05(07) V-U | mm ² | 0.21.5 | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | ; |
| Flexible with ferrule | mm ² | (| 0.251. | 5 |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 5 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 500 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 12 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | C |).35 x 0. | 8 |
| Solder eyelet $\emptyset = D$ | mm | | 1.1 | |
| Solder evelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Screwdriver | | Order No. |
|-------------|-----------------|------------|
| 0 | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

°|(\$ 5.08



Representative deratings curve LSF-SMT 5.08/../135 1.5 2 0 2 pps. 2 0 16 pps. 2 0 16 pps. 2 0 16 pps. 3 0 40 50 60 70 80 90 100 110 120 130 ambient temperature T [C]

Weidmüller ₹ 2977770000

LSF-SMT 5.08/../135 Tape

Reflow-compatible PCB terminal



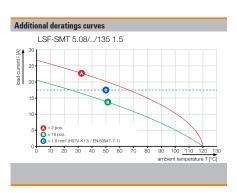


Dimensioned drawing

Ordering data

| | 9 | | | | |
|------|------------|---------|------|------------|------------|
| Sold | er pin ler | ıgth | | 1.5 mm | 3.5 mm |
| Colo | ur | | | black | black |
| Pito | h | 5.08 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 5.08 | 0.200 | 190 | 1888710000 | 1888780000 |
| 3 | 10.16 | 0.400 | 190 | 1888720000 | 1888790000 |
| 4 | 15.24 | 0.600 | 190 | 1888730000 | 1888810000 |
| 5 | 20.32 | 0.800 | 190 | 1888740000 | 1888830000 |
| 6 | 25.40 | 1.000 | 190 | 1888750000 | 1888840000 |
| 7 | 30.48 | 1.200 | 190 | 1888760000 | 1888870000 |
| 8 | 35.56 | 1.400 | 190 | 1888770000 | 1888880000 |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 5.08/../180



PCB terminal for fully automatic assembly in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

In compliance with IEC 60664-1 / IEC 61984

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Screwdriver blade

Solid core H05(07) V-U

Ferrule with plastic collar

At ambient temperature

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor CSA (Use Group)

Rated voltage

Rated current

AWG conductor

Type of insulation material UL 94 flammability rating

Material of contact surface

Solder eyelet Ø tolerance

Contact base material

Pin dimensions = d

Solder eyelet Ø = D

General data

Rated impulse voltage

UL / CUL (Use Group)

For conductor cross-section Overvoltage category

According to norm Tightening torque range Rated current, max.

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- Operating force of slider max. 40 N
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LSF-SMT 5.08/../180

Reflow-compatible PCB terminal





Dimensioned drawing L1 + 4,2 L1 + 0.165" 7 199 7 20 7 197 7 0.03* 0.035"

Accessories

0.13...1.5

0.2...1.5

0.2...1.5

0.25...1.5

0.25...0.75

8

17.5

40°C

4

300

10

C D

300

10

28-14

LCP GF

V-0

Cu-alloy

0.35 x 0.8

1.1

+ 0,1

mm²

mm²

 mm^2

mm²

mm²

mm

mm

17.5

III III II

B C D

12

В

V 250 320 500

kV 4

V 300

V 300

A 10

AWG

mm

mm

AWG

| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Screwdriver | | Order No. |
| 0 | SDS 0.4X2.5X75 | 2749320000 |
| 4 | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 5.08 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 5.08 | 0.200 | 59 | 1870210000 | 1826040000 |
| 3 | 10.16 | 0.400 | 38 | 1870220000 | 1826060000 |
| 4 | 15.24 | 0.600 | 28 | 1870230000 | 1826070000 |
| 5 | 20.32 | 0.800 | 22 | 1870240000 | 1826080000 |
| 6 | 25.40 | 1.000 | 18 | 1870250000 | 1826100000 |
| 7 | 30.48 | 1.200 | 15 | 1870260000 | 1826110000 |
| 8 | 35.56 | 1.400 | 13 | 1870270000 | 1826120000 |

5.08





Representative deratings curve LSF-SMT 5.08/.../180 3.5 22.5 20.0 17.5 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20

LSF-SMT 5.08/../180 Tape

Reflow-compatible PCB terminal



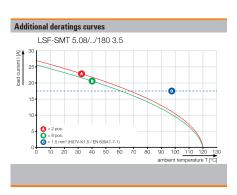


Dimensioned drawing

Ordering data

| | 9 | | | | |
|------|------------|---------|------|------------|------------|
| Sold | er pin leı | ıgth | | 1.5 mm | 3.5 mm |
| Colo | ur | | | black | black |
| Pito | h | 5.08 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 5.08 | 0.200 | 175 | 1876500000 | 1876490000 |
| 3 | 10.16 | 0.400 | 175 | 1876460000 | 1876450000 |
| 4 | 15.24 | 0.600 | 175 | 1876410000 | 1876360000 |
| 5 | 20.32 | 0.800 | 175 | 1876290000 | 1876250000 |
| 6 | 25.40 | 1.000 | 175 | 1876180000 | 1876170000 |
| 7 | 30.48 | 1.200 | 175 | 1876100000 | 1875750000 |
| 8 | 35.56 | 1.400 | 175 | 1875610000 | 1875580000 |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 7.50/../90



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

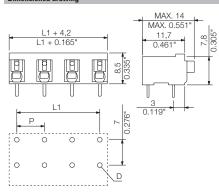
LSF-SMT 7.50/../90

Reflow-compatible PCB terminal





Dimensioned drawi



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | (|).131. | 5 |
| Solid core H05(07) V-U | mm² | 1 | 0.21.5 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | 5 |
| Flexible with ferrule | mm ² | (|).251. | 5 |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 75 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 500 | 630 | 800 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 12 | 10 | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 10 | 10 | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 0 | .35 x 0. | .8 |
| Solder eyelet Ø = D | mm | | 1.1 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

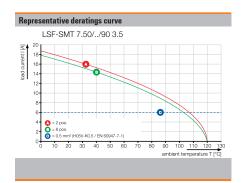
| Note: Refer to the | Accessories chapter for additional acces: | sories. |
|--------------------|-------------------------------------------|------------|
| Screwdriver | | Order No. |
| 0 | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Sold | er pin leı | ngth | | 1.5 mm | 3.5 mm |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.50 mm | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.50 | 0.295 | 47 | 1869740000 | 1824880000 |
| 3 | 15.00 | 0.591 | 28 | 1869750000 | 1824890000 |
| 4 | 22.50 | 0.886 | 20 | 1869760000 | 1824900000 |
| 5 | 30.00 | 1.181 | 16 | 1869770000 | 1824910000 |
| 6 | 37.50 | 1.476 | 13 | 1869780000 | 1824920000 |
| 7 | 45.00 | 1.772 | 11 | 1869790000 | 1824930000 |
| 8 | 52.50 | 2.067 | 9 | 1869800000 | 1824940000 |







F.70 Weidmüller 🏖

LSF-SMT 7.50/../90 Tape

Reflow-compatible PCB terminal



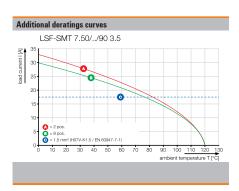


Dimensioned drawing

Ordering data

| Sold | ler pin len | igth | | 1.5 mm | 3.5 mm |
|------|-------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.50 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.50 | 0.295 | 265 | 1875480000 | 1875470000 |
| 3 | 15.00 | 0.591 | 265 | 1875440000 | 1875430000 |
| 4 | 22.50 | 0.886 | 265 | 1875040000 | 1875020000 |
| 5 | 30.00 | 1.181 | 265 | 1874980000 | 1874960000 |
| 6 | 37.50 | 1.476 | 265 | 1874910000 | 1874880000 |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 7.50/../135



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- . PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

In compliance with IEC 60664-1 / IEC 61984

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Screwdriver blade

Solid core H05(07) V-U

Ferrule with plastic collar

At ambient temperature

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor CSA (Use Group)

Rated voltage

Rated impulse voltage

UL / CUL (Use Group)

For conductor cross-section Overvoltage category

According to norm Tightening torque range Rated current, max.

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LSF-SMT 7.50/../135

Reflow-compatible PCB terminal





L1 + 4,2 L1 + 0.165 12,9 0 0 0

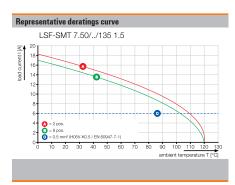
Accessories

| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Screwdriver | | Order No. |
| 1 | SDS 0.4X2.5X75 | 2749320000 |
| 1 | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.50 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.50 | 0.295 | 47 | 1884880000 | 1886110000 |
| 3 | 15.00 | 0.591 | 28 | 1884890000 | 1886120000 |
| 4 | 22.50 | 0.886 | 20 | 1884900000 | 1886130000 |
| 5 | 30.00 | 1.181 | 16 | 1884910000 | 1886140000 |
| 6 | 37.50 | 1.476 | 13 | 1884920000 | 1886150000 |
| 7 | 45.00 | 1.772 | 11 | 1884930000 | 1886160000 |
| 8 | 52.50 | 2.067 | 9 | 1884940000 | 1886170000 |





0.13...1.5

0.2...1.5

0.2...1.5

0.25...1.5

0.25...0.75

8

17.5

40°C

6

D

300

10

D C

300

mm²

mm²

 $\,\mathrm{mm^2}$

mm²

mm²

mm

mm

17.5

Ш Ш Ш

В

12

В

٧ 500 630 800

kV 6

> ٧ 300

٧ 300

AWG

| | Rated current | Α | 10 | 10 |
|------|-------------------------------|-----|---------|-----|
| | AWG conductor | AWG | 28-14 | 4 |
| | General data | | | |
| | Type of insulation material | | LCP G | F |
| | UL 94 flammability rating | | V-0 | |
| | Contact base material | | Cu-allo | ру |
| | Material of contact surface | | | |
| 7.50 | Pin dimensions = d | mm | 0.35 x | 0.8 |
| | Solder eyelet $\emptyset = D$ | mm | 1.1 | |
| 1250 | Solder eyelet Ø tolerance | mm | + 0,1 | |
| 135° | | | | |
| | | | | |
| | | | | |
| | | | | |

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LSF-SMT 7.50/../135 Tape

Reflow-compatible PCB terminal



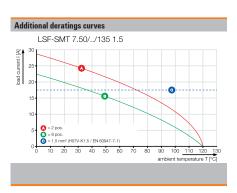


Dimensioned drawing

Ordering data

| Sold | ler pin len | igth | | 1.5 mm | 3.5 mm |
|------|-------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.50 | 0.295 | 190 | 1888890000 | 1888970000 |
| 3 | 15.00 | 0.591 | 190 | 1888910000 | 1888990000 |
| 4 | 22.50 | 0.886 | 190 | 1888930000 | 1889000000 |
| 5 | 30.00 | 1.181 | 190 | 1888940000 | 1889020000 |
| 6 | 37.50 | 1.476 | 190 | 1888950000 | 1889030000 |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 7.50/../180



PCB terminal for fully automatic assembly in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

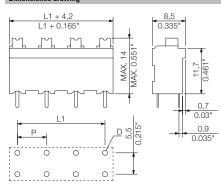
LSF-SMT 7.50/../180

Reflow-compatible PCB terminal





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | C |).131. | 5 |
| Solid core H05(07) V-U | mm ² | | 0.21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | - 1 | 0.21.5 | 5 |
| Flexible with ferrule | mm ² | C |).251. | 5 |
| Ferrule with plastic collar | mm ² | 0. | .250.7 | 75 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 500 | 630 | 800 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 12 | 10 | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | A | 10 | 10 | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 0 | .35 x 0. | .8 |
| Solder eyelet Ø = D | mm | | 1.1 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

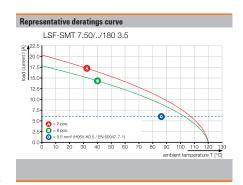
| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Screwdriver | | Order No. |
| 1 | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pitc | h | 7.50 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.50 | 0.295 | 47 | 1870280000 | 1826130000 |
| 3 | 15.00 | 0.591 | 28 | 1870290000 | 1826140000 |
| 4 | 22.50 | 0.886 | 20 | 1870300000 | 1826150000 |
| 5 | 30.00 | 1.181 | 16 | 1870310000 | 1826160000 |
| 6 | 37.50 | 1.476 | 13 | 1870320000 | 1826170000 |
| 7 | 45.00 | 1.772 | 11 | 1870330000 | 1826180000 |
| 8 | 52.50 | 2.067 | 9 | 1870340000 | 1826190000 |







LSF-SMT 7.50/../180 Tape

Reflow-compatible PCB terminal



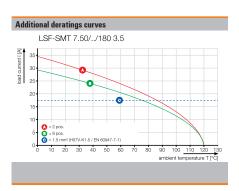


Dimensioned drawing

Ordering data

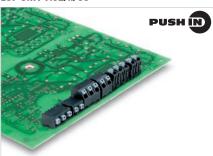
| Sold | er pin ler | ngth . | | 1.5 mm | 3.5 mm |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.50 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.50 | 0.295 | 175 | 1875500000 | 1875490000 |
| 3 | 15.00 | 0.591 | 175 | 1875460000 | 1875450000 |
| 4 | 22.50 | 0.886 | 175 | 1875090000 | 1875060000 |
| 5 | 30.00 | 1.181 | 175 | 1875010000 | 1875000000 |
| 6 | 37.50 | 1.476 | 175 | 1874950000 | 1874920000 |

Belt widths: 32, 44, 56, 72, 88



r

LSF-SMT 7.62/../90



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 90° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

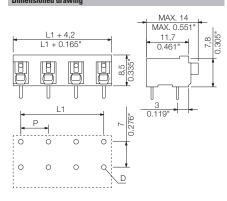
LSF-SMT 7.62/../90

Reflow-compatible PCB terminal





Dimensioned descrip



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | (| 0.131. | 5 |
| Solid core H05(07) V-U | mm² | (| 0.21.9 | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | 5 |
| Flexible with ferrule | mm ² | (|).251. | 5 |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 75 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 500 | 630 | 800 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 12 | 10 | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 10 | 10 | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 0 |).35 x 0. | .8 |
| Solder eyelet Ø = D | mm | | 1.1 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

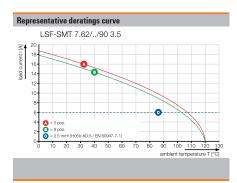
| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Screwdriver | | Order No. |
| 1 | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.62 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.62 | 0.300 | 46 | 1869260000 | 1824950000 |
| 3 | 15.24 | 0.600 | 28 | 1869270000 | 1824960000 |
| 4 | 22.86 | 0.900 | 20 | 1869280000 | 1824970000 |
| 5 | 30.48 | 1.200 | 15 | 1869290000 | 1824980000 |
| 6 | 38.10 | 1.500 | 13 | 1869300000 | 1824990000 |
| 7 | 45.72 | 1.800 | 11 | 1869310000 | 1825000000 |
| 8 | 53.34 | 2.100 | 9 | 1869320000 | 1825010000 |







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LSF-SMT 7.62/../90 Tape

Reflow-compatible PCB terminal



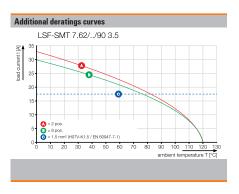


Dimensioned drawing

Ordering data

| Sold | ler pin leı | ıgth | | 1.5 mm | 3.5 mm |
|------|-------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.62 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.62 | 0.300 | 265 | 1874700000 | 1874670000 |
| 3 | 15.24 | 0.600 | 265 | 1874570000 | 1874550000 |
| 4 | 22.86 | 0.900 | 265 | 1874480000 | 1874470000 |
| 5 | 30.48 | 1.200 | 265 | 1874430000 | 1874410000 |
| 6 | 38.10 | 1.500 | 265 | 1874330000 | 1874290000 |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 7.62/../135



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 135° version

In compliance with IEC 60664-1 / IEC 61984

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Solid core H05(07) V-U

Ferrule with plastic collar

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

- · Additional push button colours on request
- Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LSF-SMT 7.62/../135

Reflow-compatible PCB terminal





L1 + 4,2 L1 + 0.165 12,9 0 0 0

Accessories

| Screwdriver | | Order No. |
|-------------|-----------------|------------|
| 0 | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.62 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.62 | 0.300 | 46 | 1884950000 | 1886180000 |
| 3 | 15.24 | 0.600 | 28 | 1884960000 | 1886190000 |
| 4 | 22.86 | 0.900 | 20 | 1884970000 | 1886200000 |
| 5 | 30.48 | 1.200 | 15 | 1884980000 | 1886210000 |
| 6 | 38.10 | 1.500 | 13 | 1884990000 | 1886220000 |
| 7 | 45.72 | 1.800 | 11 | 1885000000 | 1886230000 |
| 8 | 53.34 | 2.100 | 9 | 1885010000 | 1886240000 |



Representative deratings curve LSF-SMT 7.62/../135 1.5

0.13...1.5

0.2...1.5

0.2...1.5

0.25...1.5

0.25...0.75

8

mm²

mm²

 $\,\mathrm{mm}^2$

mm²

mm²

mm

mm

1.1

+ 0,1

| Screwariver blade | mm | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------|------------------------|-----------------|
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 500 | 630 | 800 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Δ | 12 | | 10 |
| nated current | A | 12 | | 10 |
| AWG conductor | AWG | 12 | 28-14 | 10 |
| THE COLUMN | | В | 28-14 C | D |
| AWG conductor | | | | |
| AWG conductor CSA (Use Group) | AWG | В | | D |
| AWG conductor CSA (Use Group) Rated voltage | AWG V | B 300 | | D |
| AWG conductor CSA (Use Group) Rated voltage Rated current | AWG V A | B 300 | С | D |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | AWG V A | B 300 | С | D |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | AWG V A | B 300 | C 28-14 | D |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | AWG V A | B 300 10 | 28-14 LCP GF | D 300 10 |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | AWG V A | B 300 10 | 28-14 LCP GF V-0 | D 300 10 |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | AWG V A | B 300 10 | 28-14 LCP GF V-0 | D 300 10 |

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Solder eyelet Ø = D

Solder eyelet Ø tolerance

LSF-SMT 7.62/../135 Tape

Reflow-compatible PCB terminal



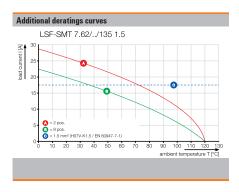


Dimensioned drawing

Ordering data

| Sold | ler pin leı | ngth | | 1.5 mm | 3.5 mm |
|------|-------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.62 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.62 | 0.300 | 190 | 1887110000 | 1887160000 |
| 3 | 15.24 | 0.600 | 190 | 1887120000 | 1887170000 |
| 4 | 22.86 | 0.900 | 190 | 1887130000 | 1887180000 |
| 5 | 30.48 | 1.200 | 190 | 1887140000 | 1887190000 |
| 6 | 38.10 | 1.500 | 190 | 1887150000 | 1887200000 |

Belt widths: 32, 44, 56, 72, 88



LSF-SMT 7.62/../180



PCB terminal for fully automatic assembly in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- PUSH IN spring connection system for wire crosssections up to 1.5 mm².
- Form and dimensional stability through the use of LCP insulating material.
- Wire connection and slider operation from the same direction (TOP).
- · Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction: 180° version

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

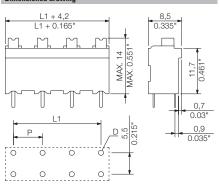
LSF-SMT 7.62/../180

Reflow-compatible PCB terminal





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|--------|----------|------|
| Clamping range, max. | mm ² | (|).131. | 5 |
| Solid core H05(07) V-U | mm² | 1 | 0.21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | 5 |
| Flexible with ferrule | mm ² | (|).251. | 5 |
| Ferrule with plastic collar | mm ² | 0 | .250.7 | 75 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 500 | 630 | 800 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 12 | 10 | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 10 | 10 | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | LCP GF | | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 0 | .35 x 0. | .8 |
| Solder eyelet Ø = D | mm | | 1.1 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

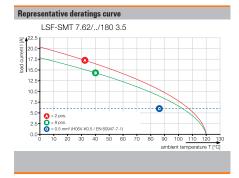
| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | |
| | SDIS 0.4X2.5X75 | 2749790000 | | | |
| / | | | | | |

Ordering data

| Sold | er pin le | ngth | | 1.5 mm | 3.5 mm |
|------|-----------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h | 7.62 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.62 | 0.300 | 46 | 1869810000 | 1826210000 |
| 3 | 15.24 | 0.600 | 28 | 1869830000 | 1826220000 |
| 4 | 22.86 | 0.900 | 20 | 1869840000 | 1826230000 |
| 5 | 30.48 | 1.200 | 15 | 1869850000 | 1826240000 |
| 6 | 38.10 | 1.500 | 13 | 1869860000 | 1826250000 |
| 7 | 45.72 | 1.800 | 11 | 1869870000 | 1826260000 |
| 8 | 53.34 | 2.100 | 9 | 1869880000 | 1826270000 |

°|(†) **7.62**





LSF-SMT 7.62/../180 Tape

Reflow-compatible PCB terminal



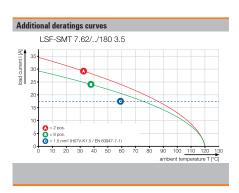


Dimensioned drawing

Ordering data

| Sold | er pin len | gth | | 1.5 mm | 3.5 mm |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pito | h i | 7.62 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 7.62 | 0.300 | 175 | 1874870000 | 1874750000 |
| 3 | 15.24 | 0.600 | 175 | 1874650000 | 1874630000 |
| 4 | 22.86 | 0.900 | 175 | 1874530000 | 1874500000 |
| 5 | 30.48 | 1.200 | 175 | 1874450000 | 1874460000 |
| 6 | 38 10 | 1 500 | 175 | 1874390000 | 1874360000 |

Belt widths: 32, 44, 56, 72, 88



F

LSF-SMD 3.50



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- · Intuitive handling since the wire-entry area and handling area are clearly separated.
- · Packaged in tape-on-reel

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Solid core H05(07) V-U

• Conductor outlet direction 180°

In compliance with IEC 60664-1 / IEC 61984

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

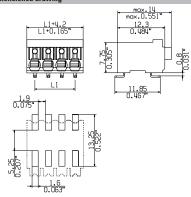
- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LSF-SMD 3.50/../90 Tape

Reflow-compatible circuit board terminal







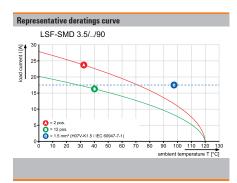
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|
| Screwdriver | | Order No. | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | | |
| | SDIS 0.4X2.5X75 | 2749790000 | | |
| / | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 320 | 1412410000 |
| 3 | 7.00 | 0.276 | 320 | 1412420000 |
| 4 | 10.50 | 0.414 | 320 | 1473510000 |
| 5 | 14.00 | 0.552 | 320 | 1473520000 |
| 6 | 17.50 | 0.690 | 320 | 1473530000 |
| 7 | 21.00 | 0.828 | 320 | 1473540000 |
| 8 | 24.50 | 0.966 | 320 | 1473550000 |
| 9 | 28.00 | 1.104 | 320 | 1473570000 |
| 10 | 31.50 | 1.242 | 320 | 1473590000 |
| 11 | 35.00 | 1.380 | 320 | 1473620000 |
| 12 | 38.50 | 1.518 | 320 | 1473650000 |





0.13...1.5

0.2...1.5

0.2...1.5

0.25...1.5

mm²

mm²

 $\,\mathrm{mm}^2$

mm²

| Ferrule with plastic collar | mm ² | 0 | .250.7 | 5 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|------------------|----------------------|
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| | | | | |
| Rated voltage | V | 300 | | 300 |
| Rated voltage Rated current | V A | 300 12 | | 300 10 |
| 3 | | | 28-14 | |
| Rated current AWG conductor CSA (Use Group) | A | | 28-14 C | |
| Rated current AWG conductor | A | 12 | | 10 |
| Rated current AWG conductor CSA (Use Group) | A AWG | 12 B | | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage | A AWG | 12 B 300 | | 10 D 300 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG | 12 B 300 | С | 10 D 300 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG | 12 B 300 | С | 10 D 300 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | A AWG | 12 B 300 | C 28-14 | 10 D 300 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG | 12 B 300 | 28-14 LCP GF | 10 D 300 10 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG | 12 B 300 | 28-14 LCP GF V-0 | 10 D 300 10 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG | 12 B 300 | 28-14 LCP GF V-0 | 10 D 300 10 |

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Solder eyelet Ø tolerance

LSF-SMD 3.50/../135 Tape

Reflow-compatible circuit board terminal

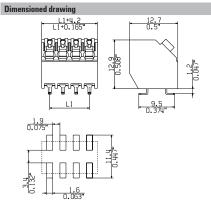
LSF-SMD 3.50/180 Tape

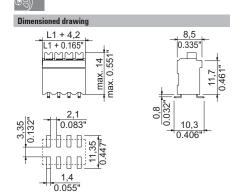
Reflow-compatible PCB terminal









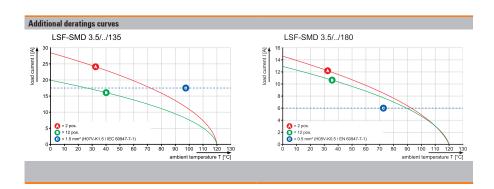


Ordering data

| Solder pir | ı length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 210 | 1473310000 |
| 3 | 7.00 | 0.276 | 210 | 1473320000 |
| 4 | 10.50 | 0.414 | 210 | 1473330000 |
| 5 | 14.00 | 0.552 | 210 | 1473340000 |
| 6 | 17.50 | 0.690 | 210 | 1473350000 |
| 7 | 21.00 | 0.828 | 210 | 1473370000 |
| 8 | 24.50 | 0.966 | 210 | 1473380000 |
| 9 | 28.00 | 1.104 | 210 | 1473390000 |
| 10 | 31.50 | 1.242 | 210 | 1473410000 |
| 11 | 35.00 | 1.380 | 210 | 1473420000 |
| 12 | 38.50 | 1.518 | 210 | 1473430000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 235 | 1250360000 |
| 3 | 7.00 | 0.276 | 180 | 1250370000 |
| 4 | 10.50 | 0.414 | 180 | 1250380000 |
| 5 | 14.00 | 0.552 | 180 | 1250390000 |
| 6 | 17.50 | 0.690 | 180 | 1250410000 |
| 7 | 21.00 | 0.828 | 180 | 1250420000 |
| 8 | 24.50 | 0.966 | 180 | 1250430000 |
| 9 | 28.00 | 1.104 | 180 | 1250440000 |
| 10 | 31.50 | 1.242 | 180 | 1250450000 |
| 11 | 35.00 | 1.380 | 180 | 1250460000 |
| 12 | 38.50 | 1.518 | 180 | 1250470000 |



LSF-SMD 5.00



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- · When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- · Intuitive handling since the wire-entry area and handling area are clearly separated.
- · Packaged in tape-on-reel

Technical data

Clamping range, max.

Stranded H07 V-R Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Pin dimensions = d Solder eyelet Ø = D Solder eyelet Ø tolerance

Solid core H05(07) V-U

Ferrule with plastic collar

• Conductor outlet direction 180°

In compliance with IEC 60664-1 / IEC 61984

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

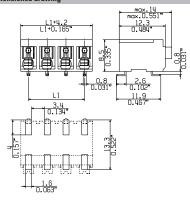
- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LSF-SMD 5.00/../90 Tape

Reflow-compatible circuit board terminal







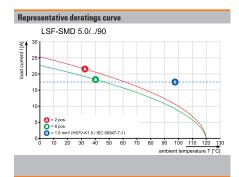
Accessories

| Screwdriver | essories chapter for additional access | Order No. |
|-------------|----------------------------------------|------------|
| Ø | SDS 0.4X2.5X75 | 2749320000 |
| 1 | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 320 | 1473770000 |
| 3 | 10.00 | 0.394 | 320 | 1473780000 |
| | 15.00 | 0.591 | 320 | 1473790000 |
| 5 | 20.00 | 0.787 | 320 | 1473800000 |
| 6 | 25.00 | 0.984 | 320 | 1473810000 |
| 7 | 30.00 | 1.181 | 320 | 1473820000 |
| 8 | 35.00 | 1.378 | 320 | 1473830000 |





0.13...1.5

0.2...1.5

0.2...1.5

0.25...1.5

0.25...0.75

8

mm²

mm²

 $\,\mathrm{mm^2}$

mm²

mm²

mm

| Screwdriver blade | mm | | | |
|-------------------------------------------------------|-----|------|---------------|------|
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 500 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 12 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| | | | | |
| Type of insulation material | | | LCP GF | |
| Type of insulation material UL 94 flammability rating | | | LCP GF V-0 | |
| " | | | | |
| UL 94 flammability rating | | | V-0 | |

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LSF-SMD 5.00/../135 Tape

Reflow-compatible circuit board terminal

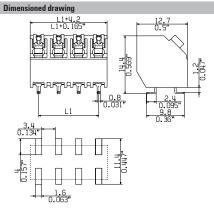
LSF-SMD 5.00/../180 Tape

Reflow-compatible circuit board terminal

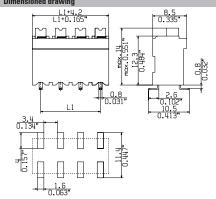








Dimens

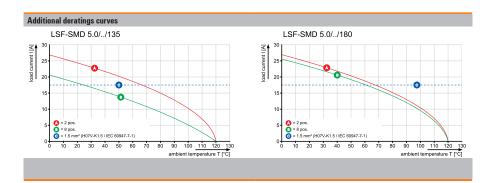


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 210 | 1473690000 |
| 3 | 10.00 | 0.394 | 210 | 1473700000 |
| 4 | 15.00 | 0.591 | 210 | 1473710000 |
| 5 | 20.00 | 0.787 | 210 | 1473720000 |
| 6 | 25.00 | 0.984 | 210 | 1473740000 |
| 7 | 30.00 | 1.181 | 210 | 1473750000 |
| 8 | 35.00 | 1.378 | 210 | 1473760000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 235 | 1473560000 |
| 3 | 10.00 | 0.394 | 180 | 1473580000 |
| 4 | 15.00 | 0.591 | 180 | 1473610000 |
| 5 | 20.00 | 0.787 | 180 | 1473640000 |
| 6 | 25.00 | 0.984 | 180 | 1473660000 |
| 7 | 30.00 | 1.181 | 180 | 1473670000 |
| 8 | 35.00 | 1.378 | 180 | 1473680000 |
| | | | | |



LSF-SMD 7.50



PCB terminal for fully automatic assembly using reflow soldering (SMD), with PUSH IN wire connections. Conductor insertion and slider operation from the same direction (TOP).

- Solid & flexible conductors with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the actuating element is used to open the terminal point
- Intuitive handling since the wire-entry area and handling area are clearly separated.
- · Packaged in tape-on-reel
- Conductor outlet direction 180°

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 12 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional push button colours on request
- $\bullet\,$ Operating force of slider max. 40 N
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

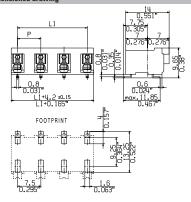
LSF-SMD 7.50/../90 Tape

Reflow-compatible circuit board terminal





Dimensioned drawin



Ordering data

| Colour black Pitch 7.50 mm | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| Pitch 7.50 mm | |
| | |
| Pol. L1 (inch) Qty. Order No. | |
| 2 7.50 0.295 320 147394000 | 00 |
| 3 15.00 0.590 320 147395000 | 00 |
| 2 7.50 0.295 320 14739400 3 15.00 0.590 320 14739500 4 22.50 0.885 320 14739600 5 30.00 1.180 320 147397000 | 00 |
| 5 30.00 1.180 320 147397000 | 00 |
| 6 37.50 1.475 320 147398000 | 00 |

Technical data

| 17.5 |
|----------|
| 10°C |
| |
| |
| 2 |
| 800 |
| 6 |
| D |
| 300 |
| 10 |
| |
| |
| D |
| D |
| _ |
| 300 |
| 300 |
| 300 |
| 300 |
| 300 |
| 300 |
| 300 |
| 300 |
| |

Accessories

| Note: Refer to the Acces | ssories chapter for additional acces | sories. |
|--------------------------|--------------------------------------|------------|
| Screwdriver | | Order No. |
| 0 | SDS 0.4X2.5X75 | 2749320000 |
| 1 | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |
| | | |
| | | |
| | | |
| | | |





Representative deratings curve

LSF-SMD 7.5/./90

LSF-SMD 7.5/./90

10

20

20

20

15

6 pos.

15 mm² (H07V-K1.5 / IEC 60047.7-1)

20

ambient temperature T [*C]

LSF-SMD 7.50/../135 Tape

Reflow-compatible circuit board terminal

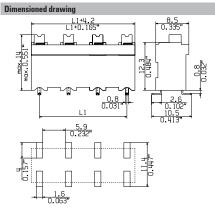
LSF-SMD 7.50/../180 Tape

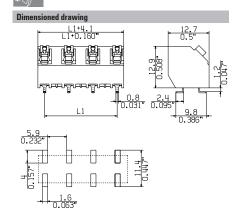
Reflow-compatible circuit board terminal









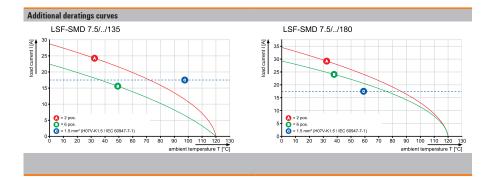


Ordering data

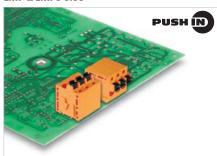
| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | black | | |
| Pitch | 7.50 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 7.50 | 0.295 | 210 | 1473890000 | | |
| 3 | 15.00 | 0.590 | 210 | 1473900000 | | |
| 4 | 22.50 | 0.885 | 210 | 1473910000 | | |
| 5 | 30.00 | 1.180 | 210 | 1473920000 | | |
| 6 | 37.50 | 1 475 | 210 | 1473930000 | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 180 | 1473840000 |
| 3 | 15.00 | 0.590 | 180 | 1473850000 |
| 4 | 22.50 | 0.885 | 180 | 1473860000 |
| 5 | 30.00 | 1.180 | 180 | 1473870000 |
| 6 | 37.50 | 1.475 | 180 | 1473880000 |



LMF & LMFS 5.00



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 400 V / 24 A / 0.5 - 2.5 mm² UL: 300 V / 20 A / AWG 24 - 12



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMF 5.00/../90





_ ⊙ c LMF 90 >PA< @ ₁530₁ **\$** HOLE PATTERN

Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | ŀ | | |
|------------------------------------------------------|-----------------|---------|--------------------|------|
| Clamping range, max. | mm ² | C | 1.122. | 5 |
| Solid core H05(07) V-U | mm² | 0.52.5 | | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.252.5 | | 5 |
| Flexible with ferrule | mm ² | C | .252. | 5 |
| Ferrule with plastic collar | mm ² | C |).252. | 5 |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | (| D.6 x 3. | 5 |
| According to norm | | | IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 24-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 24-12 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | 'A) |
| | | V-0 | | |
| UL 94 flammability rating | | | Cu-alloy | |
| UL 94 flammability rating Contact base material | | | , | |
| , , | | | Cu-alloy tinned | |
| Contact base material | mm | | , | |
| Contact base material Material of contact surface | mm mm | | tinned | |

Accessories

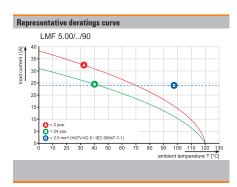
| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|
| Test plug | | Order No. | | |
| • | PS 2.0 MC | 0310000000 | | |
| | | | | |
| - | | | | |
| Screwdriver | | | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 | | |
| 1 | | | | |
| / | | | | |
| | | | | |

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 130 | 1331700000 |
| 3 | 10.00 | 0.394 | 90 | 1331710000 |
| 4 | 15.00 | 0.591 | 70 | 1331720000 |
| 5 | 20.00 | 0.787 | 55 | 1331730000 |
| 6 | 25.00 | 0.984 | 45 | 1331740000 |
| 7 | 30.00 | 1.181 | 40 | 1331750000 |
| 8 | 35.00 | 1.378 | 35 | 1331770000 |
| 9 | 40.00 | 1.575 | 30 | 1331780000 |
| 10 | 45.00 | 1.772 | 25 | 1331790000 |
| 11 | 50.00 | 1.969 | 25 | 1331800000 |
| 12 | 55.00 | 2.166 | 25 | 1331810000 |
| | | | | |



F.88



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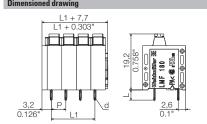
LMF 5.00/../180

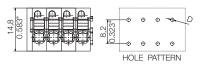
LMFS 5.00/../90

LMFS 5.00/../180



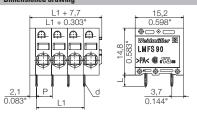


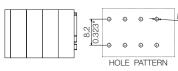






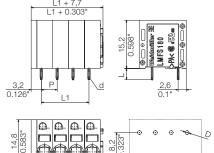


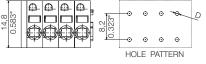












Ordering data

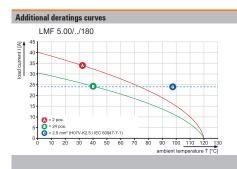
| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 130 | 1330180000 |
| 3 | 10.00 | 0.394 | 90 | 1330190000 |
| 4 | 15.00 | 0.591 | 70 | 1330200000 |
| 5 | 20.00 | 0.787 | 55 | 1330210000 |
| 6 | 25.00 | 0.984 | 45 | 1330220000 |
| 7 | 30.00 | 1.181 | 40 | 1330230000 |
| 8 | 35.00 | 1.378 | 35 | 1330240000 |
| 9 | 40.00 | 1.575 | 30 | 1330250000 |
| 10 | 45.00 | 1.772 | 30 | 1330270000 |
| 11 | 50.00 | 1.969 | 25 | 1330280000 |
| 12 | 55.00 | 2.166 | 25 | 1330290000 |

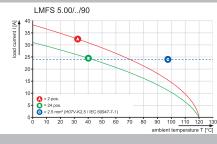
Ordering data

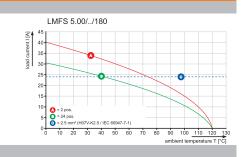
| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 130 | 1331960000 |
| 3 | 10.00 | 0.394 | 90 | 1331970000 |
| 4 | 15.00 | 0.591 | 70 | 1331980000 |
| 5 | 20.00 | 0.787 | 55 | 1331990000 |
| 6 | 25.00 | 0.984 | 45 | 1332010000 |
| 7 | 30.00 | 1.181 | 40 | 1332020000 |
| 8 | 35.00 | 1.378 | 35 | 1332030000 |
| 9 | 40.00 | 1.575 | 30 | 1332040000 |
| 10 | 45.00 | 1.772 | 25 | 1332050000 |
| 11 | 50.00 | 1.969 | 25 | 1332060000 |
| 12 | 55.00 | 2.166 | 25 | 1332070000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 130 | 1330430000 |
| 3 | 10.00 | 0.394 | 90 | 1330440000 |
| 4 | 15.00 | 0.591 | 70 | 1330450000 |
| 5 | 20.00 | 0.787 | 55 | 1330470000 |
| 6 | 25.00 | 0.984 | 45 | 1330490000 |
| 7 | 30.00 | 1.181 | 40 | 1330500000 |
| 8 | 35.00 | 1.378 | 35 | 1330510000 |
| 9 | 40.00 | 1.575 | 30 | 1330520000 |
| 10 | 45.00 | 1.772 | 30 | 1330530000 |
| 11 | 50.00 | 1.969 | 25 | 1330540000 |
| 12 | 55.00 | 2.166 | 25 | 1330550000 |

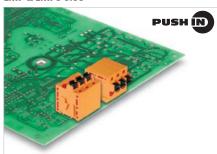






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LMF & LMFS 5.08



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 400 V / 24 A / 0.5 - 2.5 mm² UL: 300 V / 20 A / AWG 24 - 12



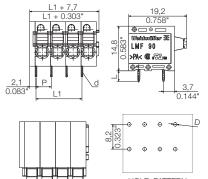
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

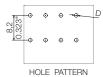
LMF 5.08/../90











Technical data

| C 61984 | | | | | |
|--------------------|------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--|--|
| mm ² | C |).122. | 5 | | |
| mm² | (| 0.52. | 5 | | |
| | | | | | |
| mm ² | C |).252. | 5 | | |
| mm ² | C |).252. | 5 | | |
| mm ² | C |).252. | 5 | | |
| mm | | 10 | | | |
| mm | (| 0.6 x 3. | 5 | | |
| | | IN 526 | 4 | | |
| | | | | | |
| Α | 24 | | 24 | | |
| | 20°C | | 40°C | | |
| | | | | | |
| | Ш | III | II | | |
| | 3 | 2 | 2 | | |
| V | 250 | 320 | 400 | | |
| kV | 4 | 4 | 4 | | |
| | R | C | n | | |
| | | ւ | ע | | |
| ٧ | 300 | · | 300 | | |
| V A | | L | | | |
| - | 300 | 24-12 | 300 | | |
| A AWG | 300 20 B | | 300 10 D | | |
| A AWG | 300 20 B 300 | 24-12 | 300 10 D 300 | | |
| A AWG V A | 300 20 B | 24-12 C | 300 10 D | | |
| A AWG | 300 20 B 300 | 24-12 | 300 10 D 300 | | |
| A AWG V A | 300 20 B 300 20 | 24-12 C 24-12 | 300 10 D 300 10 | | |
| A AWG V A | 300 20 B 300 20 | 24-12 C 24-12 demid (F | 300 10 D 300 10 | | |
| A AWG V A | 300 20 B 300 20 | 24-12 C 24-12 'emid (F V-0 | 300 10 D 300 10 | | |
| A AWG V A | 300 20 B 300 20 | 24-12 C 24-12 'emid (F V-0 Cu-alloy | 300 10 D 300 10 | | |
| A AWG V A | 300 20 B 300 20 | 24-12 C 24-12 emid (F V-0 Cu-alloy tinned | 300 10 D 300 10 | | |
| A AWG V A | 300 20 B 300 20 | 24-12 C 24-12 demid (F V-0 Cu-alloy tinned 3, 0.6 x | 300 10 D 300 10 | | |
| A AWG | 300 20 B 300 20 | 24-12 C 24-12 emid (F V-0 Cu-alloy tinned | 300 10 D 300 10 | | |
| | mm² mm² mm² mm² mm² mm² mm A | mm² 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | mm² 0.52.4 mm² 0.252. mm² 0.252. mm² 0.252. mm 0.6 x 3.4 DIN 526 A 24 20°C III III 3 2 V 250 320 kV 4 4 | | |

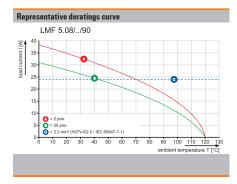
Accessories

| Test plug | | Order No. |
|-------------|-----------------|------------|
| <u> </u> | PS 2.0 MC | 0310000000 |
| | | |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| 1 | | |
| / | | |

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 125 | 1330710000 |
| 3 | 10.16 | 0.400 | 90 | 1330720000 |
| 4 | 15.24 | 0.600 | 70 | 1330730000 |
| 5 | 20.32 | 0.800 | 55 | 1330740000 |
| 6 | 25.40 | 1.000 | 45 | 1330750000 |
| 7 | 30.48 | 1.200 | 40 | 1330770000 |
| 8 | 35.56 | 1.400 | 35 | 1330780000 |
| 9 | 40.64 | 1.600 | 30 | 1330790000 |
| 10 | 45.72 | 1.800 | 25 | 1330800000 |
| 11 | 50.80 | 2.000 | 25 | 1330810000 |
| 12 | 55.88 | 2.200 | 20 | 1330820000 |
| | | | | |



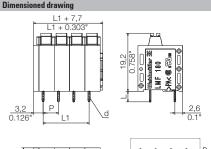


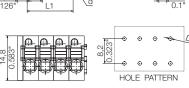
LMF 5.08/../180 LMFS 5.08/../90 LMFS 5.08/../180



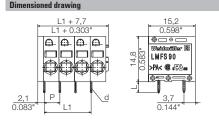


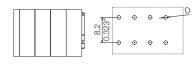






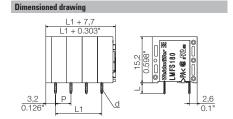


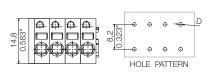












| Urd | erına | data | |
|-----|-------|------|--|

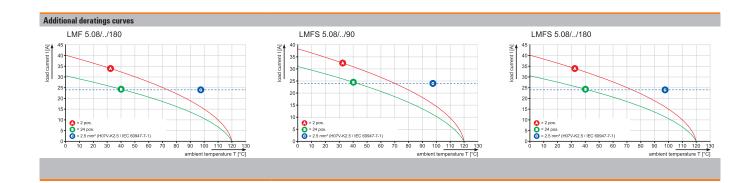
| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 130 | 1331080000 |
| 3 | 10.16 | 0.400 | 90 | 1331100000 |
| 4 | 15.24 | 0.600 | 70 | 1331120000 |
| 5 | 20.32 | 0.800 | 55 | 1331140000 |
| 6 | 25.40 | 1.000 | 45 | 1331160000 |
| 7 | 30.48 | 1.200 | 40 | 1331180000 |
| 8 | 35.56 | 1.400 | 35 | 1331200000 |
| 9 | 40.64 | 1.600 | 30 | 1331220000 |
| 10 | 45.72 | 1.800 | 25 | 1331240000 |
| 11 | 50.80 | 2.000 | 25 | 1331260000 |
| 12 | 55.88 | 2.200 | 20 | 1331280000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 130 | 1330960000 |
| 3 | 10.16 | 0.400 | 90 | 1330970000 |
| 4 | 15.24 | 0.600 | 70 | 1330980000 |
| 5 | 20.32 | 0.800 | 55 | 1330990000 |
| 6 | 25.40 | 1.000 | 45 | 1331000000 |
| 7 | 30.48 | 1.200 | 40 | 1331010000 |
| 8 | 35.56 | 1.400 | 35 | 1331020000 |
| 9 | 40.64 | 1.600 | 30 | 1331030000 |
| 10 | 45.72 | 1.800 | 25 | 1331040000 |
| 11 | 50.80 | 2.000 | 25 | 1331050000 |
| 12 | 55.88 | 2.200 | 20 | 1331060000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 130 | 1331430000 |
| 3 | 10.16 | 0.400 | 90 | 1331440000 |
| 4 | 15.24 | 0.600 | 70 | 1331450000 |
| 5 | 20.32 | 0.800 | 55 | 1331470000 |
| 6 | 25.40 | 1.000 | 45 | 1331480000 |
| 7 | 30.48 | 1.200 | 40 | 1331490000 |
| 8 | 35.56 | 1.400 | 35 | 1331500000 |
| 9 | 40.64 | 1.600 | 30 | 1331510000 |
| 10 | 45.72 | 1.800 | 25 | 1331520000 |
| 11 | 50.80 | 2.000 | 25 | 1331530000 |
| 12 | 55.88 | 2.200 | 20 | 1331540000 |



LMF & LMFS 7.50



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm² UL: 300 V / 20 A / AWG 24 - 12



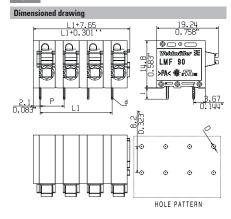
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMF 7.50/../90







Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | | 100 | 2667910000 |
| 3 | 15.00 | | 65 | 2667920000 |
| 4 | 22.50 | | 50 | 2667830000 |
| 5 | 30.00 | | 40 | 2667840000 |
| 6 | 37.50 | | 30 | 2667850000 |
| 7 | 45.00 | | 25 | 2667860000 |
| 8 | 52.50 | | 25 | 2667870000 |
| 9 | 60.00 | | 20 | 2667880000 |
| 10 | 67.50 | | 20 | 2667930000 |
| 11 | 75.00 | | 15 | 2668140000 |
| 12 | 82.50 | | 15 | 2668150000 |
| | | | | |

Technical data

| 100mmour autu | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | mm ² | - (| 0.122. | 5 |
| Solid core H05(07) V-U | mm ² | | 0.52. | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | - (| 0.252. | 5 |
| Flexible with ferrule | mm ² | (| 0.252. | 5 |
| Ferrule with plastic collar | mm ² | - (| 0.252. | 5 |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | 1 | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 500 | 600 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 24-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 24-12 | |
| General data | | | | |
| Type of insulation material | | V | /emid (F | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 0.8 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.1 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories





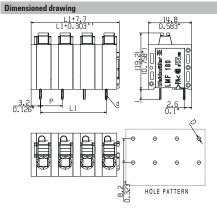
Representative deratings curve LMF 7.50/../90 90 100 110 120 130 ambient temperature T [°C]

Weidmüller 🏖 F.92

LMF 7.50/../180 LMFS 7.50/../90 LMFS 7.50/../180

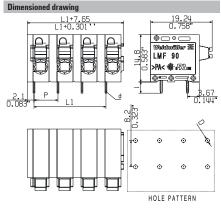
















| Dimensioned drawing | |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1+7.7 L1+0.303********************************** | 14.88 0.583 1 14.88 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14.89 0.184 1 14 |
| | |
| 8.2 | HOLE PATTERN |

Ordering data

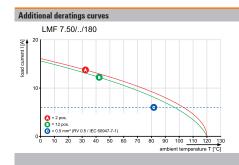
| Solder pin length | | | | 3.5 mm |
|-------------------|---------|--------|------|------------|
| Colour | orange | | | |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | | | 100 | 2774540000 |
| 3 | | | 65 | 2774550000 |
| 5 | | | 50 | 2774560000 |
| 5 | | | 40 | 2774570000 |
| 6 | | | 30 | 2774580000 |
| 7 | | | 25 | 2774590000 |
| 8 | | | 25 | 2774600000 |
| 9 | | | 20 | 2774610000 |
| 10 | | | 20 | 2774620000 |
| 11 | | | 15 | 2774630000 |
| 12 | | | 15 | 2774640000 |

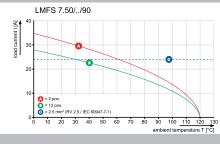
Ordering data

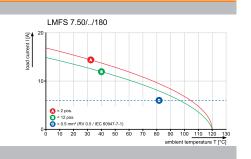
| Solder pin length | | | | 3.5 mm |
|-------------------|--------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 7.50 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | | | 100 | 2667420000 |
| 3 | | | 65 | 2667430000 |
| 4 | | | 50 | 2667440000 |
| 5 | | | 40 | 2667450000 |
| 6 | | | 30 | 2667460000 |
| 7 | | | 25 | 2667470000 |
| 8 | | | 25 | 2667480000 |
| 9 | | | 20 | 2667490000 |
| 10 | | | 20 | 2667500000 |
| 11 | | | 15 | 2667510000 |
| 12 | | | 15 | 2667520000 |

Ordering data

| Solder pin length | | | | |
|-------------------|--------|---------|-----------------------------------------------------|--|
| | | | orange | |
| 7.50 n | ım | | | |
| L1 | (inch) | Qty. | Order No. | |
| | | 100 | 2774760000 | |
| | | 65 | 2774770000 | |
| | | 50 | 2774780000 | |
| | | 40 | 2774790000 | |
| | | 30 | 2774800000 | |
| | | 25 | 2774810000 | |
| | | 25 | 2774820000 | |
| | | 20 | 2774830000 | |
| | | 20 | 2774840000 | |
| | | 15 | 2774850000 | |
| | | 15 | 2774860000 | |
| | 7.50 m | 7.50 mm | 7.50 mm L1 (inch) 0ty. 100 65 50 40 30 25 25 20 15 | |







LMFV 5.00



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to 2.5 mm².

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 630 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 24 - 14



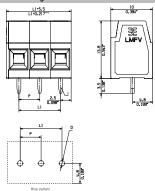
For additional articles and information, refer to eshop.weidmueller.com

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LMFV 5.00/../90







Ordering data

| Solder pin | 3.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | orange | | | |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.200 | 360 | 2786530000 |
| 3 | 10.00 | 0.390 | 240 | 2786540000 |
| 4 | 15.00 | 0.590 | 192 | 2786550000 |
| 5 | 20.00 | 0.790 | 152 | 2786560000 |
| 6 | 25.00 | 0.980 | 128 | 2786570000 |
| 7 | 30.00 | 1.180 | 108 | 2786580000 |
| 8 | 35.00 | 1.380 | 96 | 2786590000 |
| 9 | 40.00 | 1.570 | 82 | 2786600000 |
| 10 | 45.00 | 1.770 | 76 | 2786620000 |
| 11 | 50.00 | 1.970 | 68 | 2786630000 |
| 12 | 55.00 | 2.170 | 64 | 2786640000 |
| 16 | 75.00 | 2.950 | 48 | 2786690000 |

Accessories

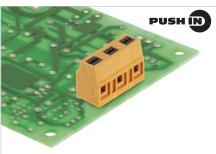
Note: Refer to the Accessories chapter for additional accessories



Technical data In compliance with IEC 60664-1 / IEC 61984 0.2...2.5 Clamping range, max. mm² Solid core H05(07) V-U mm² 0.2...2.5 Stranded H07 V-R Flexible H05(07) V-K 0.2...2.5 $\,\mathrm{mm^2}$ Flexible with ferrule 0.2...1.5 mm² Ferrule with plastic collar 0.25...1.5 mm² Stripping length mm 0.6 x 3.5 Screwdriver blade mm According to norm Tightening torque range Rated current, max. 24 At ambient temperature For conductor cross-section Overvoltage category Ш Ш Ш Pollution severity Rated voltage ٧ 250 350 630 Rated impulse voltage kV 4 4 UL / CUL (Use Group) В D Rated voltage ٧ 300 Rated current 15 10 AWG AWG conductor 24-14 CSA (Use Group) В D C Rated voltage ٧ Rated current Α AWG conductor AWG General data Type of insulation material UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned 0.95 x 0.8 Pin dimensions = d mm Solder eyelet Ø = D Solder eyelet Ø tolerance mm

Representative deratings curve LMFV 5.00/../90 100 110 120 130 ent temperature T [°C]

LMFV 7.50



With the new LMF, we are meeting current market requirements for a PCB terminal with a PUSH IN connection system for wire cross-sections up to $2.5\ mm^2$.

- PUSH IN connection system
- Pusher for opening the contact point
- Integrated test point
- 90° or 180° wire outlet direction

Product data

IEC: 630 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 24 - 14



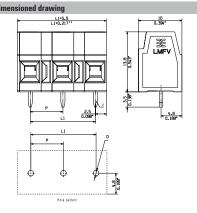
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMFV 7.50/../90







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.22.5 | 5 |
| Solid core HO5(07) V-U | mm² | | 0.22. | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | 5 |
| Flexible with ferrule | mm ² | | 0.21.5 | 5 |
| Ferrule with plastic collar | mm ² | (| 0.251. | 5 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 350 | 630 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | 24-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | C |).95 x 0 | .8 |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder evelet Ø tolerance | mm | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

| Solder pin | ı length | | | 3.5 mm |
|------------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.300 | 288 | 2787570000 |
| 3 | 15.00 | 0.590 | 192 | 2787580000 |
| 4 | 22.50 | 0.890 | 136 | 2787590000 |
| 5 | 30.00 | 1.180 | 108 | 2787600000 |
| 6 | 37.50 | 1.480 | 84 | 2787610000 |
| 7 | 45.00 | 1.770 | 76 | 2787620000 |
| 8 | 52.50 | 2.070 | 64 | 2787630000 |
| 9 | 60.00 | 2.360 | 54 | 2787640000 |
| 10 | 67.50 | 2.660 | 50 | 2787650000 |
| 11 | 75.00 | 2.950 | 48 | 2787660000 |
| 12 | 82.50 | 3.250 | 38 | 2787670000 |

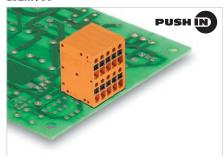
Representative deratings curve LMFV 7.50/../90 90 100 110 120 130 ambient temperature T [°C]





Weidmüller ₹ F.95 2977770000

LS2HF/90



Double-level PCB terminal for wave soldering, with PUSH IN wire connection system. Wire connection and slider operation from the same direction (TOP).

- · Solid and stranded wires with wire-end ferrules need only to be inserted and they are ready
- When connecting stranded wires without wire-end ferrules, the actuating element is used to open the contact point
- Intuitive handling thanks to the clear distinction between conductor entry and actuating element
- · Packaged in box
- Wire outlet direction: 90° version

Product data

IEC: 400 V / 17.5 A / 0.2 - 1.5 mm² UL: 150 V / 12.5 A / AWG 26 - 16



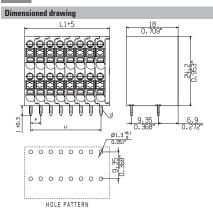
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LS2HF 3.50/../90







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.21.5 | |
| Solid core H05(07) V-U | mm² | - 1 | 0.21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | 5 |
| Flexible with ferrule | mm ² | | 0.21.5 | 5 |
| Ferrule with plastic collar | mm ² | (| 0.20.7 | 5 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | - 1 | 0.4 x 2. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 200 | 400 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 150 | | 150 |
| Rated current | Α | 12.5 | | 12.5 |
| AWG conductor | AWG | | 26-16 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 150 | | 150 |
| Rated current | Α | 12.5 | | 12.5 |
| AWG conductor | AWG | | 26-16 | |
| General data | | | | |
| Type of insulation material | | | PA 66/6 | 3 |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | | 1.0 x 0. | 6 |
| Solder eyelet Ø = D | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

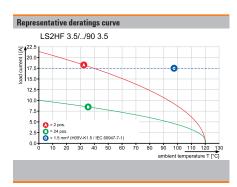
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 1 | SDIS 0.4X2.5X75 | 2749790000 | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | |
| | | | | | |

Ordering data

| Oruerniy uata | | | | | | |
|---------------|----------|--------|------|------------|--|--|
| Solder pi | n length | | | 3.5 mm | | |
| Colour | | | | orange | | |
| Pitch | 3.50 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 4 | 3.50 | 0.138 | 100 | 2000940000 | | |
| 6 | 7.00 | 0.276 | 100 | 2000950000 | | |
| 8 | 10.50 | 0.413 | 100 | 2000960000 | | |
| 10 | 14.00 | 0.551 | 100 | 2000970000 | | |
| 12 | 17.50 | 0.689 | 50 | 2000980000 | | |
| 14 | 21.00 | 0.827 | 50 | 2000990000 | | |
| 16 | 24.50 | 0.965 | 50 | 2001000000 | | |
| 18 | 28.00 | 1.102 | 50 | 2001010000 | | |
| 20 | 31.50 | 1.240 | 50 | 2001020000 | | |
| 22 | 35.00 | 1.378 | 20 | 2001030000 | | |
| 24 | 38.50 | 1.516 | 20 | 2001040000 | | |
| | | | | | | |

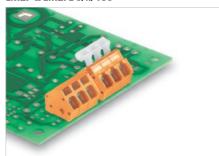




Weidmüller 🏖 2977770000

2977770000 **Weidmüller № F.97**

LMZF & LMZFL 5/../135



The compact installation terminal with tension clamp spring connection in 5.0x-mm pitch for wire crosssections up to 2.5 mm².

- Variable pitch: 5.00 5.08 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- · Convenient: optional lever for opening the contact

Product data

IEC: 630 V / 24 A / 0.13 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - 14



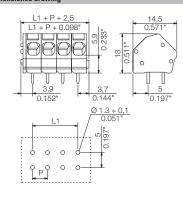
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMZF 5/../135







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | (|).132. | 5 |
| Solid core H05(07) V-U | mm ² | 0 | .132. | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | (|).132. | 5 |
| Flexible with ferrule | mm ² | (|).251. | 5 |
| Ferrule with plastic collar | mm ² | (|).251. | 5 |
| Stripping length | mm | | 6 | |
| Screwdriver blade | mm | | 0.4 x 2. | 5 |
| According to norm | | DI | N 5264 | -A |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 630 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | 26-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 26-14 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1 | 0.8 x 0.8 | 8 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------|------------|--|--|
| Screwdriver | | Order No. | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 | | |
| | SDIS 0.6X3.5X100 | 2749810000 | | |
| | | | | |

Ordering data

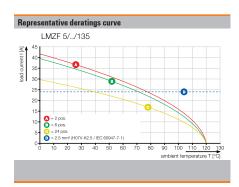
| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1913780000 |
| 3 | 10.00 | 0.394 | 100 | 1913820000 |
| 4 | 15.00 | 0.591 | 100 | 1913960000 |
| 5 | 20.00 | 0.787 | 100 | 1914000000 |
| 6 | 25.00 | 0.984 | 100 | 1914020000 |
| 7 | 30.00 | 1.181 | 100 | 1914030000 |
| 8 | 35.00 | 1.378 | 100 | 1914040000 |
| 9 | 40.00 | 1.575 | 100 | 1914050000 |
| 10 | 45.00 | 1.772 | 100 | 1914070000 |
| 11 | 50.00 | 1.969 | 100 | 1914080000 |
| 12 | 55.00 | 2.165 | 100 | 1914090000 |
| | | | | |







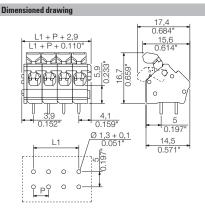




LMZFL 5/../135







Ordering data

| Oruerini | y uata | | | |
|------------|----------|--------|------|------------|
| Solder pir | ı length | | | 3.5 mm |
| Colour | | | | orange |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1914560000 |
| 3 | 10.00 | 0.394 | 100 | 1914580000 |
| 4 | 15.00 | 0.591 | 100 | 1914590000 |
| 5 | 20.00 | 0.787 | 100 | 1914600000 |
| 6 | 25.00 | 0.984 | 100 | 1914640000 |
| 7 | 30.00 | 1.181 | 100 | 1914720000 |
| 8 | 35.00 | 1.378 | 100 | 1914790000 |
| 9 | 40.00 | 1.575 | 100 | 1914830000 |
| 10 | 45.00 | 1.772 | 100 | 1914860000 |
| 11 | 50.00 | 1.969 | 100 | 1914990000 |
| 12 | 55.00 | 2.165 | 100 | 1915030000 |

2977770000 **Weidmüller ₹ F.99**

LMZF & LMZFL 7/../135



The compact installation terminal with tension clamp spring connection in 7.xx mm pitch for wire crosssections up to 2.5 mm².

- Variable pitch: 7.50 7.62 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- · Convenient: optional lever for opening the contact

Product data

IEC: 1000 V / 24 A / 0.13 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - 14



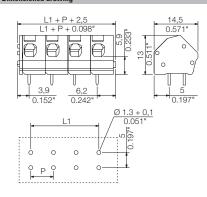
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMZF 7/../135







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------------|----------|------|
| Clamping range, max. | mm ² | (|).132. | 5 |
| Solid core H05(07) V-U | mm² | 0 | 1.132 | .5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | (| 0.132. | 5 |
| Flexible with ferrule | mm ² | (| 0.251. | 5 |
| Ferrule with plastic collar | mm ² | (| 0.251. | 5 |
| Stripping length | mm | | 6 | |
| Screwdriver blade | mm | - | 0.6 x 3. | 5 |
| According to norm | | DI | IN 5264 | l-A |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 800 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 15 | 15 | 10 |
| AWG conductor | AWG | | 26-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | A | 15 | 15 | 10 |
| AWG conductor | AWG | | 26-14 | |
| General data | | | | |
| Type of insulation material | | Wemid (PA) | | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | 0.8 x 0.8 | | |
| Solder eyelet Ø = D | mm | | 1.3 | |
| Solder evelet Ø tolerance | mm | + 0,1 | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------|------------|--|--|
| Screwdriver | | Order No. | | |
| A | SDS 0.6X3.5X100 | 2749340000 | | |
| | SDIS 0.6X3.5X100 | 2749810000 | | |
| / | | | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 100 | 1952570000 |
| 3 | 15.00 | 0.591 | 100 | 1952580000 |
| 4 | 22.50 | 0.886 | 100 | 1952590000 |
| 5 | 30.00 | 1.181 | 100 | 1952600000 |
| 6 | 37.50 | 1.476 | 100 | 1952610000 |
| 7 | 45.00 | 1.772 | 100 | 1952620000 |
| 8 | 52.50 | 2.067 | 100 | 1952630000 |
| 9 | 60.00 | 2.362 | 100 | 1952640000 |
| 10 | 67.50 | 2.657 | 100 | 1952650000 |
| 11 | 75.00 | 2.953 | 100 | 1952660000 |
| 12 | 82.50 | 3.248 | 100 | 1952670000 |
| | | | | |





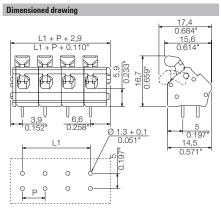


Representative deratings curve LMZF 7/../135

LMZFL 7/../135

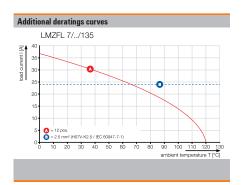






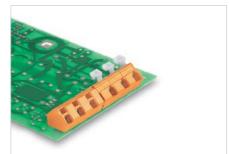
Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 100 | 1953010000 |
| 3 | 15.00 | 0.591 | 100 | 1953020000 |
| 4 | 22.50 | 0.886 | 100 | 1953030000 |
| 5 | 30.00 | 1.181 | 100 | 1953040000 |
| 6 | 37.50 | 1.476 | 100 | 1953050000 |
| 7 | 45.00 | 1.772 | 100 | 1953060000 |
| 8 | 52.50 | 2.067 | 100 | 1953070000 |
| 9 | 60.00 | 2.362 | 100 | 1953080000 |
| 10 | 67.50 | 2.657 | 100 | 1953090000 |
| 11 | 75.00 | 2.953 | 100 | 1953100000 |
| 12 | 82.50 | 3.248 | 100 | 1953110000 |
| | | | | |



2977770000

LMZF & LMZFL 10/../135



The compact installation terminal with tension clamp spring connection in 10.xx-mm pitch for wire crosssections up to 2.5 mm².

- Variable pitch 10.00 10.16 mm
- 1 component = 2 pitches
- Wire outlet direction: 135° version
- · Convenient: optional lever for opening the contact

Product data

IEC: 1000 V / 24 A / 0.13 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - 14



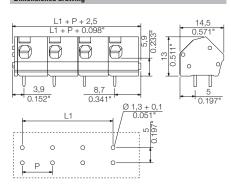
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LMZF 10/../135







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|----------|-----------|------|
| Clamping range, max. | mm ² | 0.132.5 | | |
| Solid core HO5(07) V-U | mm² | 0.132.5 | | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | (|).132. | 5 |
| Flexible with ferrule | mm ² | (|).251. | 5 |
| Ferrule with plastic collar | mm ² | (|).251. | 5 |
| Stripping length | mm | | 6 | |
| Screwdriver blade | mm | - | D.6 x 3. | 5 |
| According to norm | | | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 500 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 15 | 15 | 10 |
| AWG conductor | AWG | | 26-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 15 | 15 | 10 |
| AWG conductor | AWG | | 26-14 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | 'A) |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | - | 0.8 x 0.8 | 3 |
| Solder eyelet $\emptyset = D$ | mm | 1.3 | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Screwdriver | | Order No. | |
| A | SDS 0.6X3.5X100 | 2749340000 | |
| | SDIS 0.6X3.5X100 | 2749810000 | |
| / | | | |

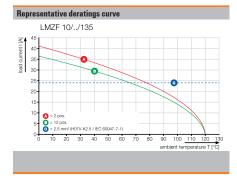
Ordering data

| Solder pin | 3.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 10.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.00 | 0.394 | 100 | 1953470000 |
| 3 | 20.00 | 0.787 | 100 | 1953480000 |
| 4 | 30.00 | 1.181 | 100 | 1953490000 |
| 5 | 40.00 | 1.575 | 100 | 1953500000 |
| 6 | 50.00 | 1.969 | 100 | 1953510000 |
| 7 | 60.00 | 2.362 | 100 | 1953520000 |
| 8 | 70.00 | 2.756 | 100 | 1953530000 |
| 9 | 80.00 | 3.150 | 100 | 1953540000 |
| 10 | 90.00 | 3.543 | 100 | 1953550000 |
| 11 | 100.00 | 3.937 | 100 | 1953560000 |
| 12 | 110.00 | 4.331 | 100 | 1953570000 |





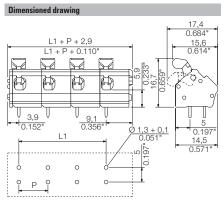




LMZFL 10/../135

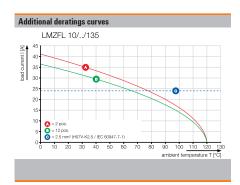






Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 10.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.00 | 0.394 | 100 | 1953930000 |
| 3 | 20.00 | 0.787 | 100 | 1953940000 |
| 4 | 30.00 | 1.181 | 100 | 1953950000 |
| 5 | 40.00 | 1.575 | 100 | 1953960000 |
| 6 | 50.00 | 1.969 | 100 | 1953970000 |
| 7 | 60.00 | 2.362 | 100 | 1953980000 |
| 8 | 70.00 | 2.756 | 100 | 1953990000 |
| 9 | 80.00 | 3.150 | 100 | 1954000000 |
| 10 | 90.00 | 3.543 | 100 | 1954010000 |
| 11 | 100.00 | 3.937 | 100 | 1954020000 |
| 12 | 110.00 | 4.331 | 100 | 1954030000 |
| | | | | |



2977770000 **Weidmüller** ₹ **F.103**

LMZF 5.08, multi-level



The high-performance device interface with a high connection density. Multi-level PCB terminal with tension clamp spring connection in 5.08 mm pitch for wire cross-sections up to $2.5\ \text{mm}^2$.

- Wire outlet direction: 135° version
- Simple switching of connection system layout compatible with multi-level screw terminals.

Product data

IEC: 630 V / 15 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 24 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

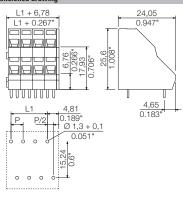
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LM2NZF 5.08/../135





Dimensioned drawing



Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|-------------------------|----------------------|
| Clamping range, max. | mm ² | 0.132.5 | | |
| Solid core H05(07) V-U | mm² | 0.22.5 | | i |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm² | | 0.21.5 | |
| Flexible with ferrule | mm ² | (|).251.! | 5 |
| Ferrule with plastic collar | mm² | (|).251.! | 5 |
| Stripping length | mm | | 7.5 | |
| Screwdriver blade | mm | 1 | 0.6 x 3.5 | 5 |
| According to norm | | DI | N 5264 | -A |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 630 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| D a L la | | | | 300 |
| Rated voltage | V | 300 | | 300 |
| Rated voltage Rated current | A | 300 10 | | 10 |
| Rated current AWG conductor | - | - | 24-14 | |
| Rated current AWG conductor CSA (Use Group) | A AWG | 10 B | 24-14 C | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage | A | 10 B 300 | | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG V A | 10 B | С | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG | 10 B 300 | | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | A AWG V A | 10 B 300 | C 24-14 | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG V A | 10 B 300 | 24-14 PA | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG V A | 10 B 300 10 | 24-14 PA V-0 | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG V A | 10 B 300 10 | 24-14 PA | 10 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A | 10 B 300 10 | C 24-14 PA V-0 Cu-alloy | 10 D 300 10 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | A AWG V A | 10 B 300 10 | 24-14 PA V-0 Cu-alloy | 10 D 300 10 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A AWG | 10 B 300 10 | C 24-14 PA V-0 Cu-alloy | 10 D 300 10 |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------|------------|--|--|
| Screwdriver | | Order No. | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 | | |
| | SDIS 0.6X3.5X100 | 2749810000 | | |
| / | | | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 50 | 1764810000 |
| 6 | 10.16 | 0.400 | 50 | 1764820000 |
| 8 | 15.24 | 0.600 | 50 | 1764830000 |
| 10 | 20.32 | 0.800 | 50 | 1764840000 |
| 12 | 25.40 | 1.000 | 50 | 1764850000 |
| 14 | 30.48 | 1.200 | 20 | 1764860000 |
| 16 | 35.56 | 1.400 | 20 | 1764870000 |
| 18 | 40.64 | 1.600 | 20 | 1764880000 |
| 20 | 45.72 | 1.800 | 20 | 1758020000 |
| 22 | 50.80 | 2.000 | 20 | 1764890000 |
| 24 | 55.88 | 2.200 | 10 | 1764900000 |

°||(\$| 5.08



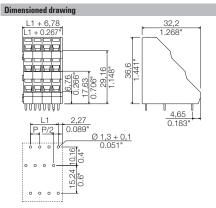


F.104 **Weidmüller 3**

LM3RZF 5.08/../135







Ordering data

| Oruerini | y uata | | | |
|------------|----------|--------|------|------------|
| Solder pir | ı length | | | 3.5 mm |
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 6 | 5.08 | 0.200 | 50 | 1764910000 |
| 9 | 10.16 | 0.400 | 50 | 1764920000 |
| 12 | 15.24 | 0.600 | 50 | 1764930000 |
| 15 | 20.32 | 0.800 | 20 | 1764940000 |
| 18 | 25.40 | 1.000 | 20 | 1764950000 |
| 21 | 30.48 | 1.200 | 20 | 1758040000 |
| 24 | 35.56 | 1.400 | 10 | 1764960000 |
| 27 | 40.64 | 1.600 | 10 | 1764970000 |
| 30 | 45.72 | 1.800 | 10 | 1758030000 |
| 33 | 50.80 | 2.000 | 10 | 1764980000 |
| 36 | 55.88 | 2.200 | 10 | 1764990000 |

2977770000 **Weidmüller ₹ F.105**

F.106 Weidmüller ₹ 2977770000

OMNIMATE® Signal PCB connectors in 1.27 mm pitch Board-to-Board

| OMNIMATE® Signal PCB connectors in 1.27 mm pitch Board-to-Boa | Explanation | G.2 |
|---------------------------------------------------------------|-------------------------------------------------------------------------|------|
| rob connectors in 1.27 mm pitch board-to-board | Quick selection | G.4 |
| | Connectors in 1.27 mm pitch Series FM/FF - Board-to-Board | G.6 |
| | Connectors in 1.27 mm pitch Series FC assembled cables - Board-to-Board | G.20 |

2977770000 **Weidmüller 3 3 6.1**

OMNIMATE® Signal Board-to-Board solutions

Flexible engineering of compact devices

The use of future-proof contact systems, as well as the optimization of manufacturing processes, are increasingly important in the development of efficient industrial devices, especially in the field of Industry 4.0. OMNIMATE® board-to-board connectors feature a 1.27 mm pitch and offer maximum flexibility due to different designs.

Reliable connection

Robust design thanks to coordinated contact geometries and latching clip



Flexible device design

Different designs with 1.27 mm pitch enable all conceivable interface combinations – from mother-to-daughter and extender card to cable-to-board and mezzanine.



Flexible device design

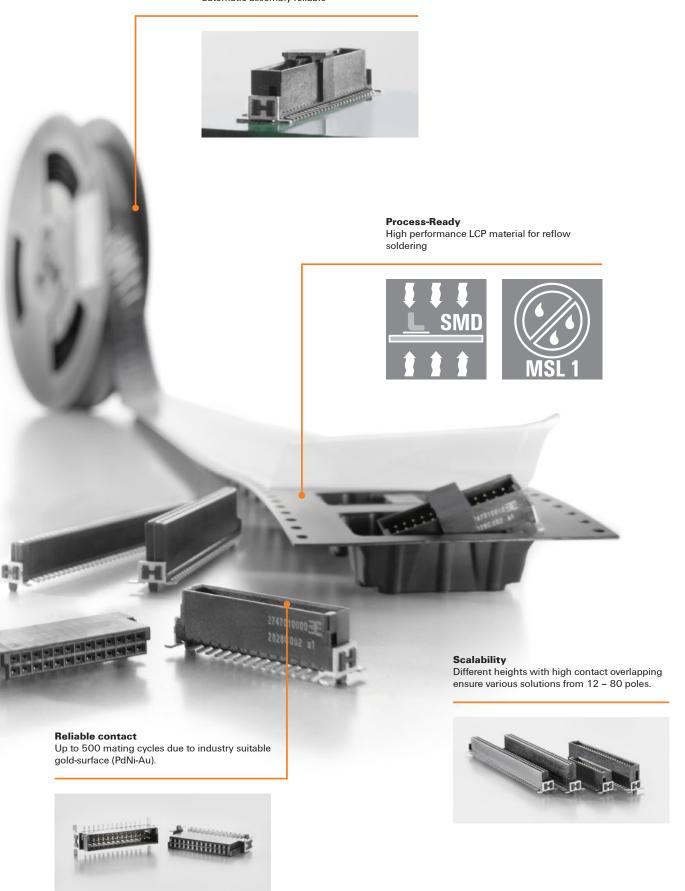
Different designs with 1.27 mm pitch enable all conceivable interface combinations – from mother-to-daughter and extender card to cable-to-board and mezzanine.



Weidmüller ₹ 2977770000

Automation-Ready

Precise pin coplanarity and packaging makes automatic assembly reliable



2977770000 **Weidmüller 3 6.3**

http://www.OMNIMATE.net





G.4 Weidmüller ₹ 2977770000

Male header

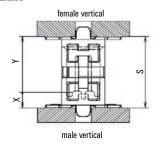




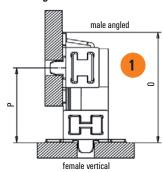


| THE STATE OF THE PARTY OF THE P | THE STATE OF THE PARTY OF THE P | State of |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| FMH1 S1/V | FMH3 S1/V | FMH S1/H |
| 1.75 mm | 3.25 mm | |
| vertical | vertical | horizontal |
| Reel | Reel | Reel |
| Mezzanine S = 8 mm - 9. mm | Mezzanine S = 9,5 mm - 11 mm | Mother-to-Daughter P = min. 7.70 mm 0 = min. 11.53 mm |
| H | H | |
| Mezzanine S = 10.8 mm - 12.3 mm | Mezzanine S = 12.3 mm - 13.8 mm | Mother-to-Daughter P = min. 10.50 mm 0 = min. 14.33 mm |
| THE PARTY OF THE P | H | |
| Mother-to-Daughter P = min. 8.75 mm O = min. 12.58 mm | Mother-to-Daughter P = min 10.25 mm 0 = min. 14.08 mm | Extender-Board P = min. 8.6 mm 0 = min. 16.25 mm |
| | | - Amming H. H. |
| Board-to-Wire | Board-to-Wire | Board-to-Wire |
| | | |
| Board-to-Wire | Board-to-Wire | Board-to-Wire |
| | | |

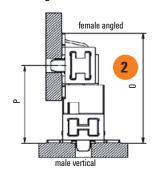
Mezzanine

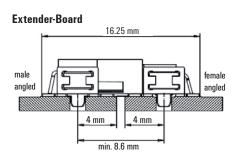


Mother-to-Daughter A



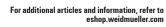
Mother-to-Daughter B





Weidmüller ₹ G.5 2977770000

FMH S1/..H (horizontal)







Technical data

| Outgoing elbow | 90° | | |
|----------------------------------|-------------------------------------------------------------|--|--|
| Pitch | 1.27 mm | | |
| Construction type | male header | | |
| Mounting onto the PCB | SMD solder connection | | |
| Side termination, characteristic | Solder flange | | |
| Type of insulation material | LCP | | |
| Colour | black | | |
| Contact base material | Copper alloy | | |
| Layer structure of plug contact | \geq 2 µm Ni $/$ \geq 0.4 µm PdNi $/$ \geq 0.05 µm Au | | |
| Note Other variants on request. | | | |

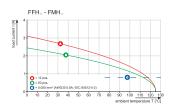
| Operating temperature | -55125 °C |
|-----------------------------------------------|-----------------------|
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 2.8 A |
| Volume resistance | <25 mΩ |
| Insulation strength | $\geq 10^{10} \Omega$ |
| Plugging cycles | 500 |
| Pulling force / pole | 0.400.6 N |
| Approvals | CURUS |
| Packaging | Tape |
| | |











Ordering data

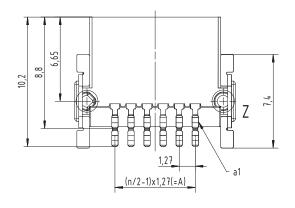
| | Qty. | Order No. |
|----|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 12 | 560 | 2747160000 |
| 16 | 560 | 2747170000 |
| 20 | 560 | 2747180000 |
| 26 | 560 | 2747190000 |
| 32 | 560 | 2747200000 |
| 40 | 560 | 2747210000 |
| 50 | 560 | 2747220000 |
| 68 | 560 | 2747230000 |
| 80 | 560 | 2747240000 |
| | 16 20 26 32 40 50 68 | 16 560 20 560 26 560 32 560 40 560 50 560 68 560 |

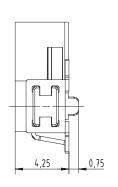


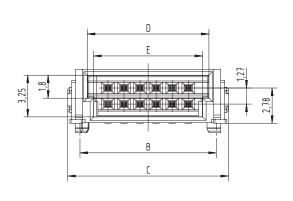
Weidmüller 🏖 2977770000

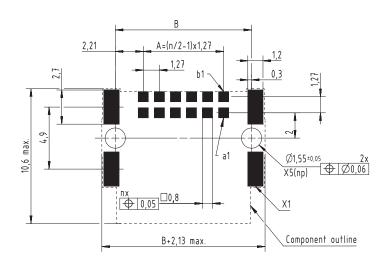
Drawing dimensions

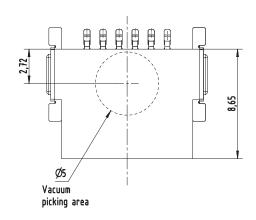
| Туре | No. of poles | Α | В | С | D | E | Order no. |
|--------------------|--------------|-------|-------|-------|-------|-------|------------|
| FMH S1/12H F1 B RL | 12 | 6.35 | 10.77 | 12.7 | 9.57 | 8.57 | 2747160000 |
| FMH S1/16H F1 B RL | 16 | 8.89 | 13.31 | 15.24 | 12.11 | 11.11 | 2747170000 |
| FMH S1/20H F1 B RL | 20 | 11.43 | 15.85 | 17.78 | 14.65 | 13.65 | 2747180000 |
| FMH S1/26H F1 B RL | 26 | 15.24 | 19.66 | 21.59 | 18.46 | 17.46 | 2747190000 |
| FMH S1/32H F1 B RL | 32 | 19.05 | 23.47 | 25.4 | 22.27 | 21.27 | 2747200000 |
| FMH S1/40H F1 B RL | 40 | 24.13 | 28.55 | 30.48 | 27.35 | 26.35 | 2747210000 |
| FMH S1/50H F1 B RL | 50 | 30.48 | 34.9 | 36.83 | 33.7 | 32.7 | 2747220000 |
| FMH S1/68H F1 B RL | 68 | 41.91 | 46.33 | 48.26 | 45.13 | 44.13 | 2747230000 |
| FMH S1/80H F1 B RL | 80 | 49.53 | 53.95 | 55.88 | 52.75 | 51.75 | 2747240000 |
| | | | · | | | | |

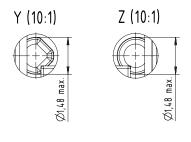












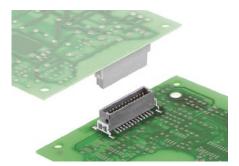
x= only mechanical np= not plated thru hole n= number of poles

2977770000 **Weidmüller 3€ 6.7**

FMH1 S1/..V (vertical, height 1.75 mm)

For additional articles and information, refer to eshop.weidmueller.com





Technical data

| Outgoing elbow | 180° | | | | |
|----------------------------------|-------------------------------------------------------------|--|--|--|--|
| Pitch | 1.27 mm | | | | |
| Construction type | male header | | | | |
| Mounting onto the PCB | SMD solder connection | | | | |
| Side termination, characteristic | Solder flange | | | | |
| Type of insulation material | LCP | | | | |
| Colour | black | | | | |
| Contact base material | Copper alloy | | | | |
| Layer structure of plug contact | \geq 2 µm Ni $/$ \geq 0.4 µm PdNi $/$ \geq 0.05 µm Au | | | | |
| Note Other variants on request. | | | | | |

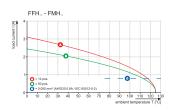
| Operating temperature | -55125 °C |
|-----------------------------------------------|-----------------------|
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 2.8 A |
| Volume resistance | <25 mΩ |
| Insulation strength | $\geq 10^{10} \Omega$ |
| Plugging cycles | 500 |
| Pulling force / pole | 0.400.6 N |
| Approvals | CURUS |
| Packaging | Tape |
| | |











Ordering data

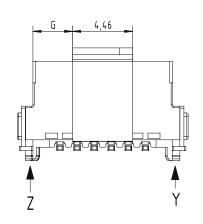
| Туре | Pol. | Qty. | Order No. |
|---------------------|------|------|------------|
| FMH1 S1/12V F1 B RL | 12 | 280 | 2746980000 |
| FMH1 S1/16V F1 B RL | 16 | 280 | 2746990000 |
| FMH1 S1/20V F1 B RL | 20 | 280 | 2747000000 |
| FMH1 S1/26V F1 B RL | 26 | 280 | 2747010000 |
| FMH1 S1/32V F1 B RL | 32 | 280 | 2747020000 |
| FMH1 S1/40V F1 B RL | 40 | 280 | 2747030000 |
| FMH1 S1/50V F1 B RL | 50 | 280 | 2747040000 |
| FMH1 S1/68V F1 B RL | 68 | 280 | 2747050000 |
| FMH1 S1/80V F1 B RL | 80 | 280 | 2747060000 |
| | | | |

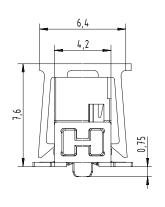


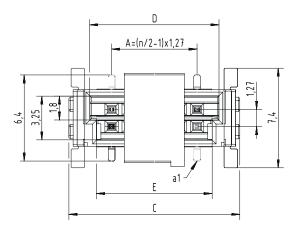
Weidmüller 🏖 2977770000

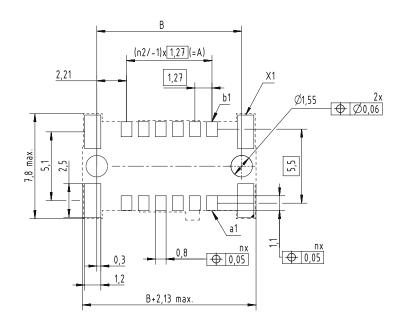
Drawing dimensions

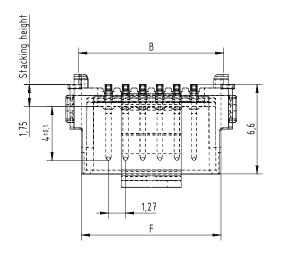
| Туре | No. of poles | Α | В | C | D | E | F | G | Order no. |
|---------------------|--------------|-------|-------|-------|-------|-------|-------|-------|------------|
| FMH1 S1/12V F1 B RL | 12 | 6.35 | 10.77 | 12.7 | 9.57 | 8.57 | 10.37 | 2.96 | 2747980000 |
| FMH1 S1/16V F1 B RL | 16 | 8.89 | 13.31 | 15.24 | 12.11 | 11.11 | 12.91 | 4.23 | 2747990000 |
| FMH1 S1/20V F1 B RL | 20 | 11.43 | 15.85 | 17.78 | 14.65 | 13.65 | 15.45 | 5.5 | 2747000000 |
| FMH1 S1/26V F1 B RL | 26 | 15.24 | 19.66 | 21.59 | 18.46 | 17.46 | 19.26 | 7.4 | 2747010000 |
| FMH1 S1/32V F1 B RL | 32 | 19.05 | 23.47 | 25.4 | 22.27 | 21.27 | 23.07 | 9.31 | 2747020000 |
| FMH1 S1/40V F1 B RL | 40 | 24.13 | 28.55 | 30.48 | 27.35 | 26.35 | 28.15 | 11.85 | 2747030000 |
| FMH1 S1/50V F1 B RL | 50 | 30.48 | 34.9 | 36.83 | 33.7 | 32.7 | 34.5 | 15.02 | 2747040000 |
| FMH1 S1/68V F1 B RL | 68 | 41.91 | 46.33 | 48.26 | 45.13 | 44.13 | 45.93 | 20.74 | 2747050000 |
| FMH1 S1/80V F1 B RL | 80 | 49.53 | 53.95 | 55.88 | 52.75 | 51.75 | 53.55 | 24.55 | 2747060000 |
| | | | | | | | | | |

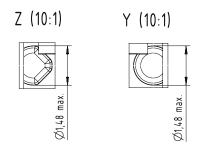












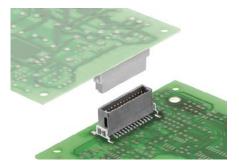
x= only mechanical np= not plated thru hole n= number of poles

2977770000 **Weidmüller № 6.9**

FMH3 S1/..V (vertical, height 3.25 mm)

For additional articles and information, refer to eshop.weidmueller.com





Technical data

| Outgoing elbow | 180° | | | | |
|----------------------------------|-------------------------------------------------------------|--|--|--|--|
| Pitch | 1.27 mm | | | | |
| Construction type | male header | | | | |
| Mounting onto the PCB | SMD solder connection | | | | |
| Side termination, characteristic | Solder flange | | | | |
| Type of insulation material | LCP | | | | |
| Colour | black | | | | |
| Contact base material | Copper alloy | | | | |
| Layer structure of plug contact | \geq 2 µm Ni $/$ \geq 0.4 µm PdNi $/$ \geq 0.05 µm Au | | | | |
| Note Other variants on request. | | | | | |

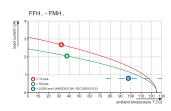
| Operating temperature | -55125 °C |
|-----------------------------------------------|----------------------|
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 2.8 A |
| Volume resistance | <25 mΩ |
| Insulation strength | ≥ 10 ¹⁰ Ω |
| Plugging cycles | 500 |
| Pulling force / pole | 0.400.6 N |
| Approvals | CURUS |
| Packaging | Tape |
| | |











Ordering data

| Туре | Pol. | Oty. | Order No. |
|---------------------|------|------|-----------|
| FMH3 S1/12V F1 B RL | 12 | 280 | 274707000 |
| FMH3 S1/16V F1 B RL | 16 | 280 | 274708000 |
| FMH3 S1/20V F1 B RL | 20 | 280 | 274709000 |
| FMH3 S1/26V F1 B RL | 26 | 280 | 274710000 |
| FMH3 S1/32V F1 B RL | 32 | 280 | 274711000 |
| FMH3 S1/40V F1 B RL | 40 | 280 | 274712000 |
| FMH3 S1/50V F1 B RL | 50 | 280 | 274713000 |
| FMH3 S1/68V F1 B RL | 68 | 280 | 274714000 |
| FMH3 S1/80V F1 B RL | 80 | 280 | 274715000 |

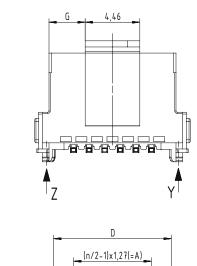


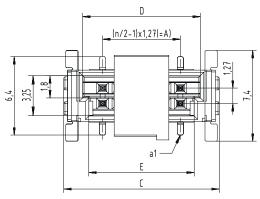


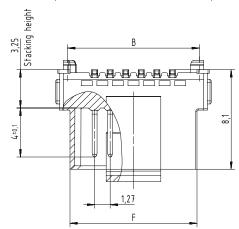
Weidmüller 🐔 2977770000

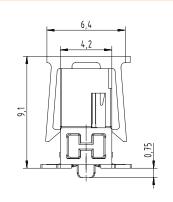
Drawing dimensions

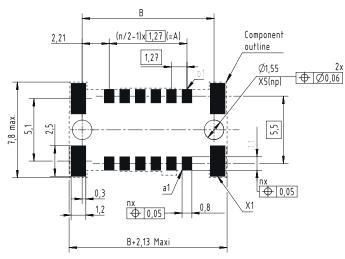
| Туре | No. of poles | Α | В | С | D | E | F | G | Order no. |
|---------------------|--------------|-------|-------|-------|-------|-------|-------|-------|------------|
| FMH3 S1/12V F1 B RL | 12 | 6.35 | 10.77 | 12.7 | 9.57 | 8.57 | 10.37 | 2.96 | 2747070000 |
| FMH3 S1/16V F1 B RL | 16 | 8.89 | 13.31 | 15.24 | 12.11 | 11.11 | 12.91 | 4.23 | 2747080000 |
| FMH3 S1/20V F1 B RL | 20 | 11.43 | 15.85 | 17.78 | 14.65 | 13.65 | 15.45 | 5.5 | 2747090000 |
| FMH3 S1/26V F1 B RL | 26 | 15.24 | 19.66 | 21.59 | 18.46 | 17.46 | 19.26 | 7.4 | 2747100000 |
| FMH3 S1/32V F1 B RL | 32 | 19.05 | 23.47 | 25.4 | 22.27 | 21.27 | 23.07 | 9.31 | 2747110000 |
| FMH3 S1/40V F1 B RL | 40 | 24.13 | 28.55 | 30.48 | 27.35 | 26.35 | 28.15 | 11.85 | 2747120000 |
| FMH3 S1/50V F1 B RL | 50 | 30.48 | 34.9 | 36.83 | 33.7 | 32.7 | 34.5 | 15.02 | 2747130000 |
| FMH3 S1/68V F1 B RL | 68 | 41.91 | 46.33 | 48.26 | 45.13 | 44.13 | 45.93 | 20.74 | 2747140000 |
| FMH3 S1/80V F1 B RL | 80 | 49.53 | 53.95 | 55.88 | 52.75 | 51.75 | 53.55 | 24.55 | 2747150000 |
| | | | | | | | | | |

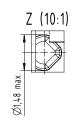


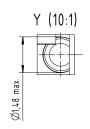








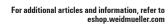




x= only mechanical np= not plated thru hole n= number of poles

2977770000 **Weidmüller ₹ G.11**

FFH S1/..H (horizontal)







Technical data

| Outgoing elbow | 90° |
|----------------------------------|----------------------------------------------------------------------------|
| Pitch | 1.27 mm |
| Construction type | female header |
| Mounting onto the PCB | SMD solder connection |
| Side termination, characteristic | Solder flange |
| Type of insulation material | LCP |
| Colour | black |
| Contact base material | Copper alloy |
| Layer structure of plug contact | \geq 2 μ m Ni $/$ \geq 0.4 μ m PdNi $/$ \geq 0.05 μ m Au |
| Note Other variants on request. | |
| | |

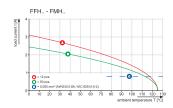
| Operating temperature | -55125 °C |
|-----------------------------------------------|-----------------------|
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 2.8 A |
| Volume resistance | <25 mΩ |
| Insulation strength | $\geq 10^{10} \Omega$ |
| Plugging cycles | 500 |
| Pulling force / pole | 0.400.6 N |
| Approvals | CURUS |
| Packaging | Tape |
| | |











Ordering data

| Туре | Pol. | Oty. | Order No. |
|--------------------|------|------|------------|
| FFH S1/16H F1 B RL | 16 | 560 | 2747440000 |
| FFH S1/20H F1 B RL | 20 | 560 | 2747450000 |
| FFH S1/26H F1 B RL | 26 | 560 | 2747460000 |
| FFH S1/32H F1 B RL | 32 | 560 | 2747470000 |
| FFH S1/40H F1 B RL | 40 | 560 | 2747480000 |
| FFH S1/50H F1 B RL | 50 | 560 | 2747490000 |
| FFH S1/68H F1 B RL | 68 | 560 | 2747500000 |
| FFH S1/80H F1 B RL | 80 | 560 | 2747510000 |
| | | | |



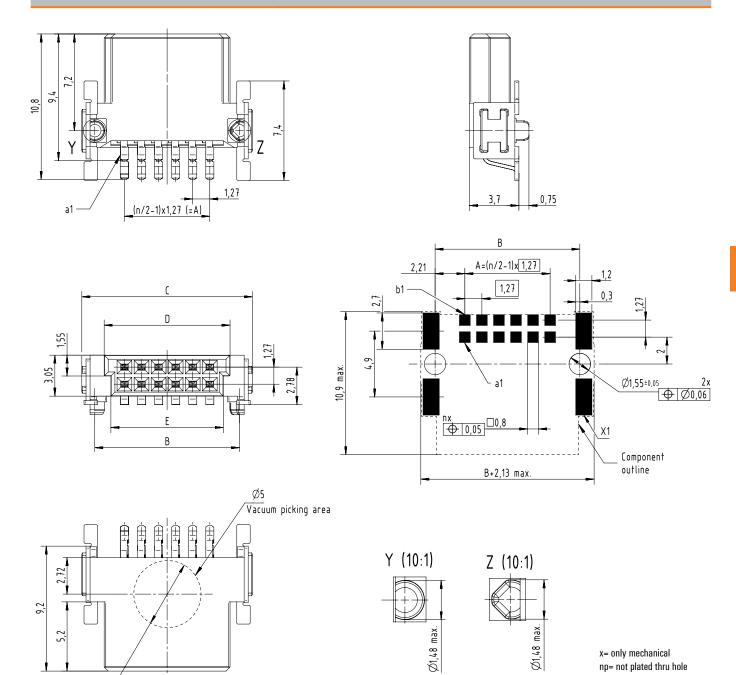
Weidmüller 🐔 2977770000

n= number of poles

Drawing dimensions

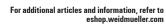
Ø5

| Туре | No. of poles | Α | В | С | D | E | Order no. |
|--------------------|--------------|-------|-------|-------|-------|-------|------------|
| FFH S1/12H F1 B RL | 12 | 6.35 | 10.77 | 12.7 | 9.37 | 8.37 | 2747430000 |
| FFH S1/16H F1 B RL | 16 | 8.89 | 13.31 | 15.24 | 11.91 | 10.91 | 2747440000 |
| FFH S1/20H F1 B RL | 20 | 11.43 | 15.85 | 17.78 | 14.45 | 13.45 | 2747450000 |
| FFH S1/26H F1 B RL | 26 | 15.24 | 19.66 | 21.59 | 18.26 | 17.26 | 2747460000 |
| FFH S1/32H F1 B RL | 32 | 19.05 | 23.47 | 25.4 | 22.07 | 21.07 | 2747470000 |
| FFH S1/40H F1 B RL | 40 | 24.13 | 28.55 | 30.48 | 27.15 | 26.15 | 2747480000 |
| FFH S1/50H F1 B RL | 50 | 30.48 | 34.9 | 36.83 | 33.5 | 32.5 | 2747490000 |
| FFH S1/68H F1 B RL | 68 | 41.91 | 46.33 | 48.26 | 44.93 | 43.93 | 2747500000 |
| FFH S1/80H F1 B RL | 80 | 49.53 | 53.95 | 55.88 | 52.55 | 51.55 | 2747510000 |
| | | | | | | | |



2977770000 **Weidmüller № G.13**

FFH6 S1/..V (vertical, height 6.25 mm)







Technical data

| Outgoing elbow | 180° | | |
|----------------------------------|-------------------------------------------------------------|--|--|
| Pitch | 1.27 mm | | |
| Construction type | female header | | |
| Mounting onto the PCB | SMD solder connection | | |
| Side termination, characteristic | Solder flange | | |
| Type of insulation material | LCP | | |
| Colour | black | | |
| Contact base material | Copper alloy | | |
| Layer structure of plug contact | \geq 2 µm Ni $/$ \geq 0.4 µm PdNi $/$ \geq 0.05 µm Au | | |
| Note Other variants on request. | | | |

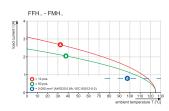
| Operating temperature | -55125 °C |
|-----------------------------------------------|----------------------|
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 2.8 A |
| Volume resistance | <25 mΩ |
| Insulation strength | ≥ 10 ¹⁰ Ω |
| Plugging cycles | 500 |
| Pulling force / pole | 0.400.6 N |
| Approvals | CURUS |
| Packaging | Таре |
| | |











Ordering data

| Туре | Pol. | Oty. | Order No. |
|---------------------|------|------|------------|
| FFH6 S1/12V F1 B RL | 12 | 280 | 2747250000 |
| FFH6 S1/16V F1 B RL | 16 | 280 | 2747260000 |
| FFH6 S1/20V F1 B RL | 20 | 280 | 2747270000 |
| FFH6 S1/26V F1 B RL | 26 | 280 | 2747280000 |
| FFH6 S1/32V F1 B RL | 32 | 280 | 2747290000 |
| FFH6 S1/40V F1 B RL | 40 | 280 | 2747300000 |
| FFH6 S1/50V F1 B RL | 50 | 280 | 2747310000 |
| FFH6 S1/68V F1 B RL | 68 | 280 | 2747320000 |
| FFH6 S1/80V F1 B RL | 80 | 280 | 2747330000 |
| | | | |

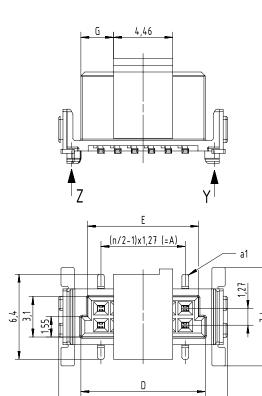


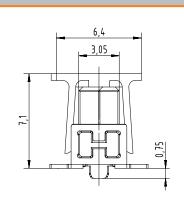
1.27 180°

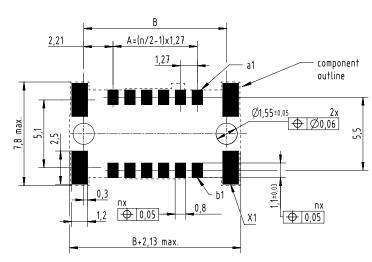
G.14 **Weidmüller ₹** 2977770000

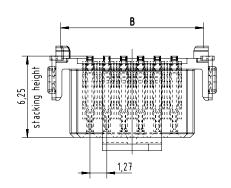
Drawing dimensions

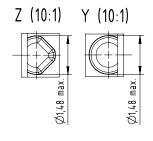
| Туре | No. of poles | Α | В | С | D | E | G | Order no. |
|---------------------|--------------|-------|-------|-------|-------|-------|-------|------------|
| FFH6 S1/12V F1 B RL | 12 | 6.35 | 10.77 | 12.7 | 9.37 | 8.37 | 2.46 | 2747250000 |
| FFH6 S1/16V F1 B RL | 16 | 8.89 | 13.31 | 15.24 | 11.91 | 10.91 | 3.73 | 2747260000 |
| FFH6 S1/20V F1 B RL | 20 | 11.43 | 15.85 | 17.78 | 14.45 | 13.45 | 5 | 2747270000 |
| FFH6 S1/26V F1 B RL | 26 | 15.24 | 19.66 | 21.59 | 18.26 | 17.26 | 7.54 | 2747280000 |
| FFH6 S1/32V F1 B RL | 32 | 19.5 | 23.47 | 25.4 | 22.07 | 21.07 | 8.81 | 2747290000 |
| FFH6 S1/40V F1 B RL | 40 | 24.13 | 28.55 | 30.48 | 27.15 | 26.15 | 11.35 | 2747300000 |
| FFH6 S1/50V F1 B RL | 50 | 30.48 | 34.29 | 36.83 | 33.5 | 32.5 | 15.16 | 2747310000 |
| FFH6 S1/68V F1 B RL | 68 | 41.91 | 46.33 | 48.26 | 44.93 | 43.93 | 20.24 | 2747320000 |
| FFH6 S1/80V F1 B RL | 80 | 49.53 | 53.95 | 55.88 | 52.55 | 51.55 | 24.05 | 2747330000 |
| | | | | | | | | |







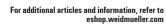




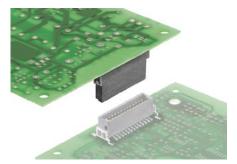
x= only mechanical np= not plated thru hole n= number of poles

2977770000 **Weidmüller № G.15**

FFH9 S1/..V (vertical, height 9.05 mm)







Technical data

| Outgoing elbow | 180° | | |
|----------------------------------|-------------------------------------------------------------|--|--|
| Pitch | 1.27 mm | | |
| Construction type | female header | | |
| Mounting onto the PCB | SMD solder connection | | |
| Side termination, characteristic | Solder flange | | |
| Type of insulation material | LCP | | |
| Colour | black | | |
| Contact base material | Copper alloy | | |
| Layer structure of plug contact | \geq 2 µm Ni $/$ \geq 0.4 µm PdNi $/$ \geq 0.05 µm Au | | |
| Note Other variants on request. | | | |

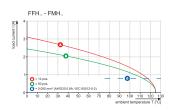
| Operating temperature | -55125 °C |
|-----------------------------------------------|-----------------------|
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 2.8 A |
| Volume resistance | <25 mΩ |
| Insulation strength | $\geq 10^{10} \Omega$ |
| Plugging cycles | 500 |
| Pulling force / pole | 0.400.6 N |
| Approvals | CURUS |
| Packaging | Tape |
| | |











Ordering data

| Туре | Pol. | Qty. | Order No. |
|---------------------|------|------|-----------|
| FFH9 S1/12V F1 B RL | 12 | 280 | 274734000 |
| FFH9 S1/16V F1 B RL | 16 | 280 | 274735000 |
| FFH9 S1/20V F1 B RL | 20 | 280 | 274736000 |
| FFH9 S1/26V F1 B RL | 26 | 280 | 274737000 |
| FFH9 S1/32V F1 B RL | 32 | 280 | 274738000 |
| FFH9 S1/40V F1 B RL | 40 | 280 | 274739000 |
| FFH9 S1/50V F1 B RL | 50 | 280 | 274740000 |
| FFH9 S1/68V F1 B RL | 68 | 280 | 274741000 |
| FFH9 S1/80V F1 B RL | 80 | 280 | 274742000 |



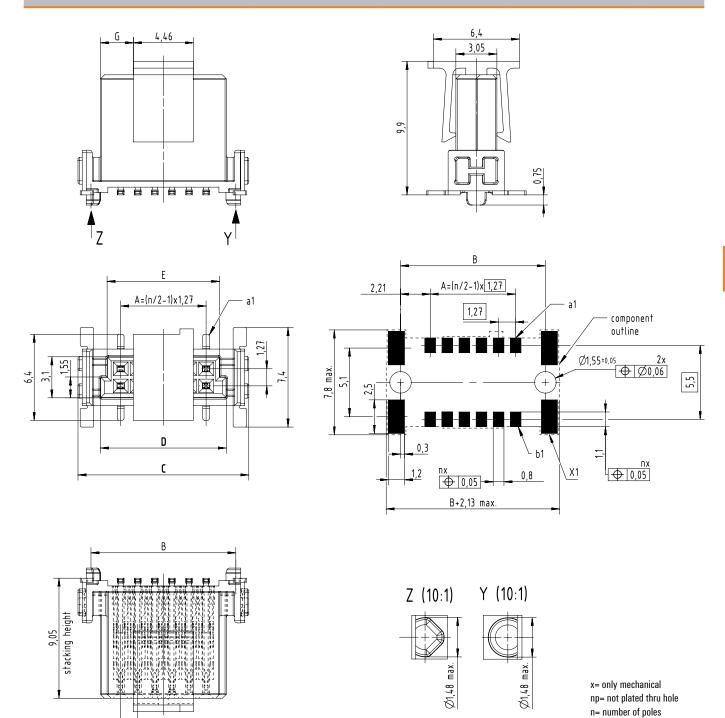


Weidmüller 🐔 2977770000

Drawing dimensions

1,27

| Туре | No. of poles | Α | В | C | D | E | G | Order no. |
|---------------------|--------------|-------|-------|-------|-------|-------|-------|------------|
| FFH9 S1/12V F1 B RL | 12 | 6.35 | 10.77 | 12.7 | 9.37 | 8.37 | 2.46 | 2747340000 |
| FFH9 S1/16V F1 B RL | 16 | 8.89 | 13.31 | 15.24 | 11.91 | 10.91 | 3.73 | 2747350000 |
| FFH9 S1/20V F1 B RL | 20 | 11.43 | 15.85 | 17.78 | 14.45 | 13.45 | 5 | 2747360000 |
| FFH9 S1/26V F1 B RL | 26 | 15.24 | 19.66 | 21.59 | 18.26 | 17.26 | 7.54 | 2747370000 |
| FFH9 S1/32V F1 B RL | 32 | 19.5 | 23.47 | 25.4 | 22.07 | 21.07 | 8.81 | 2747380000 |
| FFH9 S1/40V F1 B RL | 40 | 24.13 | 28.55 | 30.48 | 27.15 | 26.15 | 11.35 | 2747390000 |
| FFH9 S1/50V F1 B RL | 50 | 30.48 | 34.29 | 36.83 | 33.5 | 32.5 | 15.16 | 2747400000 |
| FFH9 S1/68V F1 B RL | 68 | 41.91 | 46.33 | 48.26 | 44.93 | 43.93 | 20.24 | 2747410000 |
| FFH9 S1/80V F1 B RL | 80 | 49.53 | 53.95 | 55.88 | 52.55 | 51.55 | 24.05 | 2747420000 |



FFP D1/..H (female connector without ribbon cable)

For additional articles and information, refer to eshop.weidmueller.com





Technical data

| Conductor outlet directi | on | 90°/270° | | |
|------------------------------|----------------------------|------------------------------------------|--|--|
| Pitch | | 1.27 mm | | |
| Type of connection | | Insulation displacement connection (IDC) | | |
| Wire connection cross s | ection AWG | AWG 30/1, 30/7 | | |
| Outer diameter of insulation | | 0.550.75 mm | | |
| Side termination, chara | cteristic | Clip-on flange | | |
| Type of insulation material | | LCP | | |
| Colour | | black | | |
| Contact base material | | Copper alloy | | |
| Note | Other variants on request. | | | |

| Layer structure of plug contact | \geq 2 µm Ni / \geq 0.4 µm PdNi / \geq 0.05 µm Au |
|-----------------------------------------------|---------------------------------------------------------|
| Operating temperature | -55125 °C |
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 1.9 A |
| Volume resistance | <25 mΩ |
| Insulation strength | ≥ 10 ¹⁰ Ω |
| Plugging cycles | 500 |
| Plugging force/pole | 0.400.6 N |
| Approvals | CURUS |
| | |







Ordering data

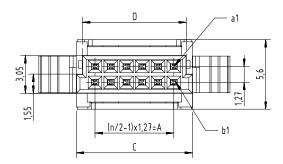
| Туре | Pol. | Qty. | Order No. |
|--------------------|------|------|------------|
| FFP D1/12H S1 B TY | 12 | 100 | 2747520000 |
| FFP D1/16H S1 B TY | 16 | 120 | 2747530000 |
| FFP D1/20H S1 B TY | 20 | 105 | 2747540000 |
| FFP D1/26H S1 B TY | 26 | 120 | 2747550000 |
| FFP D1/32H S1 B RL | 32 | 100 | 2747560000 |
| FFP D1/40H S1 B TY | 40 | 100 | 2747570000 |
| FFP D1/50H S1 B TY | 50 | 75 | 2747580000 |
| FFP D1/68H S1 B TY | 68 | 75 | 2747590000 |
| FFP D1/80H S1 B TY | 80 | 50 | 2747600000 |

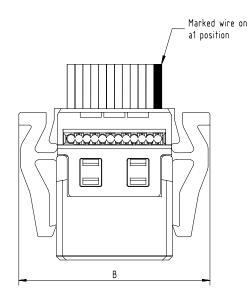


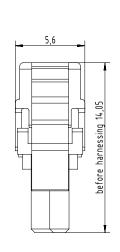
Weidmüller 🛣 2977770000

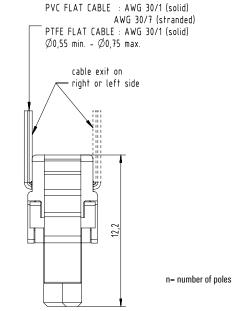
Drawing dimensions

| Туре | No. of poles | Α | В | С | D | E | Order no. |
|--------------------|--------------|-------|-------|-------|-------|----------|------------|
| FFP D1/12H S1 B TY | 12 | 6.35 | 15.4 | 9.37 | 8.37 | 15 | 2747520000 |
| FFP D1/16H S1 B TY | 16 | 8.89 | 17.94 | 11.91 | 10.91 | 15 | 2747530000 |
| FFP D1/20H S1 B TY | 20 | 11.43 | 20.48 | 14.45 | 13.45 | 15 | 2747540000 |
| FFP D1/26H S1 B TY | 26 | 15.24 | 24.29 | 18.26 | 17.26 | 15 | 2747550000 |
| FFP D1/32H S1 B TY | 32 | 19.05 | 28.1 | 22.07 | 21.07 | 15 | 2747560000 |
| FFP D1/40H S1 B TY | 40 | 24.13 | 33.18 | 27.15 | 26.15 | 15 | 2747570000 |
| FFP D1/50H S1 B TY | 50 | 30.48 | 39.53 | 33.5 | 32.5 | 15 | 2747580000 |
| FFP D1/68H S1 B TY | 68 | 41.91 | 50.96 | 44.93 | 43.93 | 16.2 | 2747590000 |
| FFP D1/80H S1 B TY | 80 | 49.53 | 58.58 | 55.88 | 51.55 | 16.2 | 2747600000 |
| | | | | | | <u> </u> | |



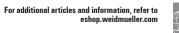






2977770000 **Weidmüller № G.19**

FC.. PN/..A.. (PVC, 1:1 wiring)





Technical data

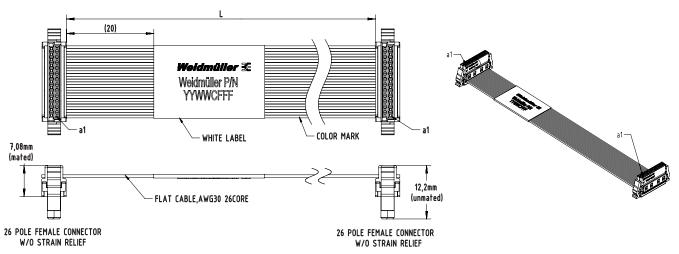
| Conductor outlet direction | 90°/270° |
|-----------------------------------|------------------------------------------|
| Pitch | 1.27 mm |
| Type of connection | Insulation displacement connection (IDC) |
| Wire connection cross section AWG | AWG 30/7 |
| Type of insulation material | LCP |
| Colour | grey |
| Contact base material | Copper alloy |
| Laver structure of plug contact | ≥ 2 um Ni / ≥ 0.4 um PdNi / ≥ 0.05 um Au |

| Note | Further versions on request. | |
|------|------------------------------|--|

| Operating temperature | -20105 °C |
|-----------------------------------------------|-----------|
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 1.9 A |
| Volume resistance | <25 mΩ |
| Insulation strength | ≥ 20 MΩ |
| Plugging cycles | 500 |
| Plugging force/pole | 0.400.6 N |

FC..../26A S1 B BX

1:1 wiring, 26 pole, different lengths and cable types









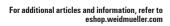


Ordering data

| Туре | Pol. | Cable length | Insulation | Qty. | Order No. |
|---------------------|------|--------------|------------|------|------------|
| FC10 PN/12A S1 B BX | 12 | 100 mm | PVC | 10 | 2826880000 |
| FC10 PN/16A S1 B BX | 16 | 100 mm | PVC | 10 | 2826940000 |
| FC10 PN/20A S1 B BX | 20 | 100 mm | PVC | 10 | 2827000000 |
| FC10 PN/26A S1 B BX | 26 | 100 mm | PVC | 10 | 2827060000 |
| FC10 PN/32A S1 B BX | 32 | 100 mm | PVC | 10 | 2827120000 |
| FC10 PN/40A S1 B BX | 40 | 100 mm | PVC | 10 | 2827180000 |
| FC10 PN/50A S1 B BX | 50 | 100 mm | PVC | 10 | 2827240000 |
| FC10 PN/68A S1 B BX | 68 | 100 mm | PVC | 10 | 2827300000 |
| FC10 PN/80A S1 B BX | 80 | 100 mm | PVC | 10 | 2827360000 |
| FC20 PN/12A S1 B BX | 12 | 200 mm | PVC | 10 | 2826890000 |
| FC20 PN/16A S1 B BX | 16 | 200 mm | PVC | 10 | 2826950000 |
| FC20 PN/20A S1 B BX | 20 | 200 mm | PVC | 10 | 2827010000 |
| FC20 PN/26A S1 B BX | 26 | 200 mm | PVC | 10 | 2827070000 |
| FC20 PN/32A S1 B BX | 32 | 200 mm | PVC | 10 | 2827130000 |
| FC20 PN/40A S1 B BX | 40 | 200 mm | PVC | 10 | 2827190000 |
| FC20 PN/50A S1 B BX | 50 | 200 mm | PVC | 10 | 2827250000 |
| FC20 PN/68A S1 B BX | 68 | 200 mm | PVC | 10 | 2827310000 |
| FC20 PN/80A S1 B BX | 80 | 200 mm | PVC | 10 | 2827370000 |
| FC50 PN/12A S1 B BX | 12 | 500 mm | PVC | 10 | 2826900000 |
| FC50 PN/16A S1 B BX | 16 | 500 mm | PVC | 10 | 2826960000 |
| FC50 PN/20A S1 B BX | 20 | 500 mm | PVC | 10 | 2827020000 |
| FC50 PN/26A S1 B BX | 26 | 500 mm | PVC | 10 | 2827080000 |
| FC50 PN/32A S1 B BX | 32 | 500 mm | PVC | 10 | 2827140000 |
| FC50 PN/40A S1 B BX | 40 | 500 mm | PVC | 10 | 2827200000 |
| FC50 PN/50A S1 B BX | 50 | 500 mm | PVC | 10 | 2827260000 |
| FC50 PN/68A S1 B BX | 68 | 500 mm | PVC | 10 | 2827320000 |
| FC50 PN/80A S1 B BX | 80 | 500 mm | PVC | 10 | 2827380000 |

2977770000 **Weidmüller № G.21**

FC.. TN/..A.. (TPE, 1:1 wiring)







Technical data

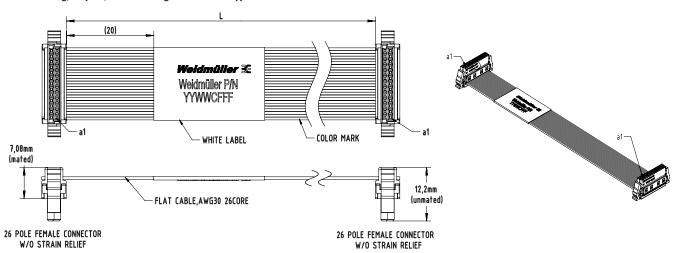
| Conductor outlet direction | 90°/270° |
|-----------------------------------|------------------------------------------|
| Pitch | 1.27 mm |
| Type of connection | Insulation displacement connection (IDC) |
| Wire connection cross section AWG | AWG 30/7 |
| Type of insulation material | LCP |
| Colour | grey |
| Contact base material | Copper alloy |
| Layer structure of plug contact | ≥ 2 µm Ni / ≥ 0.4 µm PdNi / ≥ 0.05 µm Au |

| Note | Further versions on request. | |
|------|------------------------------|--|
| | Ribbon cable nitch 0.635 mm | |

| Operating temperature | -40125 °C |
|-----------------------------------------------|-----------|
| Clearance, min. | 0.4 mm |
| Rated current, min. number of poles (Tu=20°C) | 1.9 A |
| Volume resistance | <25 mΩ |
| Insulation strength | ≥ 20 MΩ |
| Plugging cycles | 500 |
| Plugging force/pole | 0.400.6 N |

FC..../26A S1 B BX

1:1 wiring, 26 pole, different lengths and cable types



u









Ordering data

| Туре | Pol. | Cable length | Insulation | Qty. | Order No. |
|---------------------|------|--------------|------------|------|------------|
| FC10 TN/12A S1 B BX | 12 | 100 mm | TPE | 10 | 2826910000 |
| FC10 TN/16A S1 B BX | 16 | 100 mm | TPE | 10 | 2826970000 |
| FC10 TN/20A S1 B BX | 20 | 100 mm | TPE | 10 | 2827030000 |
| FC10 TN/26A S1 B BX | 26 | 100 mm | TPE | 10 | 2827090000 |
| FC10 TN/32A S1 B BX | 32 | 100 mm | TPE | 10 | 2827150000 |
| FC10 TN/40A S1 B BX | 40 | 100 mm | TPE | 10 | 2827210000 |
| FC10 TN/50A S1 B BX | 50 | 100 mm | TPE | 10 | 2827270000 |
| FC10 TN/68A S1 B BX | 68 | 100 mm | TPE | 10 | 2827330000 |
| FC10 TN/80A S1 B BX | 80 | 100 mm | TPE | 10 | 2827390000 |
| FC20 TN/12A S1 B BX | 12 | 200 mm | TPE | 10 | 2826920000 |
| FC20 TN/16A S1 B BX | 16 | 200 mm | TPE | 10 | 2826980000 |
| FC20 TN/20A S1 B BX | 20 | 200 mm | TPE | 10 | 2827040000 |
| FC20 TN/26A S1 B BX | 26 | 200 mm | TPE | 10 | 2827100000 |
| FC20 TN/32A S1 B BX | 32 | 200 mm | TPE | 10 | 2827160000 |
| FC20 TN/40A S1 B BX | 40 | 200 mm | TPE | 10 | 2827220000 |
| FC20 TN/50A S1 B BX | 50 | 200 mm | TPE | 10 | 2827280000 |
| FC20 TN/68A S1 B BX | 68 | 200 mm | TPE | 10 | 2827340000 |
| FC20 TN/80A S1 B BX | 80 | 200 mm | TPE | 10 | 2827400000 |
| FC50 TN/12A S1 B BX | 12 | 500 mm | TPE | 10 | 2826930000 |
| FC50 TN/16A S1 B BX | 16 | 500 mm | TPE | 10 | 2826990000 |
| FC50 TN/20A S1 B BX | 20 | 500 mm | TPE | 10 | 2827050000 |
| FC50 TN/26A S1 B BX | 26 | 500 mm | TPE | 10 | 2827110000 |
| FC50 TN/32A S1 B BX | 32 | 500 mm | TPE | 10 | 2827170000 |
| FC50 TN/40A S1 B BX | 40 | 500 mm | TPE | 10 | 2827230000 |
| FC50 TN/50A S1 B BX | 50 | 500 mm | TPE | 10 | 2827290000 |
| FC50 TN/68A S1 B BX | 68 | 500 mm | TPE | 10 | 2827350000 |
| FC50 TN/80A S1 B BX | 80 | 500 mm | TPE | 10 | 2827410000 |

2977770000 **Weidmüller № 6.23**

G.24 Weidmüller ₹ 2977770000

OMNIMATE® Signal PCB connectors in 2.50 mm pitch

| OMNIMATE® Signal | |
|-----------------------------|------|
| PCB connectors in 2.50 mm p | itch |

| PCB connectors in | 2.50 mm pitch |
|-------------------|---------------|
| Serie BLF 2 50/SL | 2.50 |

| Explanation | H.2 |
|-------------------|-----|
| Quick selection | H.4 |
| Product selection | H.6 |

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2977770000 **Weidmüller** ₹ H.1

Ц

Use compact, functional connection solutionsBLF 2.5/SL 2.5 PUSH IN device connectors

Especially for controls, I/O systems and signal interfaces in drive technology, it is now a question of ensuring components are as compact as possible while offering excellent functionality and simple handling.

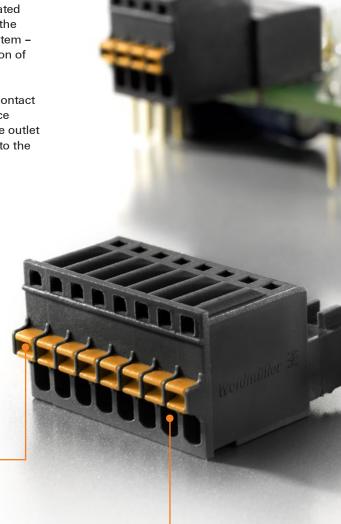
The new BLF 2.5 OMNIMATE® signal plug-in connector and the associated SL 2.5 male connectors combine these requirements. This is thanks to the space-saving design and the particularly quick PUSH IN connection system – optimised for wire cross-sections of up to 0.5 mm² and a pitch dimension of 2.5 mm.

The BLF 2.5 connector has an integrated pusher to make opening the contact point easier. There is also an additional test point for user-friendly service measurements on the device. The SL 2.5 male header has two available outlet directions in various device designs and ensures excellent accessibility to the connector even in confined spaces.

Pusher gives operational safety

The contact point can be opened easily and the conductor removed by pressing the "pusher". This allows particularly fast and uniform wiring.





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Flexible application

The SL 2.5 male header has two available outlet directions and can be used in many device designs. This means good connector availability can be guaranteed, even in confined spaces.





Optimum handling with minimum space requirements

All in one: the BLF 2.5 means you can benefit from a compact, pluggable connection solution for devices which is also simple.



Quick and safe wiring with high connection density: the PCB connectors in a 2.5 mm pitch enable space-saving signal interfaces for a variety of devices, for example, industrial controls.



PUSH IN connector up to 0.5 mm²

Wires with wire-end ferrules and single-stranded wires can be inserted directly thanks to the PUSH IN connection technology which saves time and ensures reliable contacting.

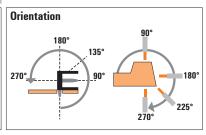


High component density

The compact design with PUSH IN connections and very small 2.5 mm pitch size is perfectly suited for wire cross-sections of up to 0.5 mm².



Weidmüller **3**€ H.3 2977770000



Serie BLF/2.50/SL 2.50

Levels

Туре Orientation

Flange options

IEC / UL

Spring PUSH IN



BLF

(G)

IEC: 320 V / 6 A / 0.08 - 0.5 mm² UL: 150 V / 5 A / AWG 28 - 20

Female connector:

(G)*= Closed (without flange)

F = Screw flange with screw

LH = Release lever

LR = Lock & Release lever

Male header:

180°

G = Closed (without flange)
F = Screw flange with nut

LF = Solder flange with nut



^{*} not included in the article description







| 1 | |
|---------------------------------|---------------------------------|
| SL | SL |
| 90° | 180° |
| G | G |
| IEC: 320 V/6 A UL: 150 V/5 A | IEC: 320 V/6 A UL: 150 V/5 A |
| 0 | • |

2977770000 **Weidmüller** ₹ H.5

SL 2.50/../90G and 180G



Male header for wave soldering in 2.50mm pitch.

- Plugging direction is parallel (90°) or straight 180° to the PCB
- . Housing variant: Closed (G)
- Packaged in a cardboard box (BX)

Product data

IEC: 320 V / 6 A UL: 150 V / 5 A



For additional articles and information, refer to eshop.weidmueller.com

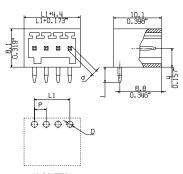
- . Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL 2.50/../90G Box

closed side







HOLE PATTERN

Technical data

In compliance with IEC 60664-1 / IEC 61984 Clamping range, max. Solid core H05(07) V-U Stranded H07 V-R Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade mm According to norm Tightening torque range Rated current, max. At ambient temperature 40°C For conductor cross-section Overvoltage category Ш II Pollution severity Rated voltage 80 320 320 Rated impulse voltage kV 2.5 2.5 2.5 UL / CUL (Use Group) В C D Rated voltage ٧ 150 Rated current 5 AWG AWG conductor CSA (Use Group) В С D Rated voltage ٧ 150 Rated current Α 5 AWG conductor AWG General data Type of insulation material PA 66 UL 94 flammability rating V-0 Cu-alloy Contact base material Material of contact surface tinned Pin dimensions = d mm 0.8 x 0.8 Solder eyelet Ø = D 1.3 Solder eyelet Ø tolerance + 0,1 mm

Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 2.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 2.50 | 0.984 | 250 | 2439660000 |
| 3 | 5.00 | 1.968 | 250 | 2439760000 |
| 4 | 7.50 | 2.952 | 250 | 2439770000 |
| 5 | 10.00 | 3.936 | 200 | 2439780000 |
| 6 | 12.50 | 4.920 | 175 | 2439790000 |
| 7 | 15.00 | 5.904 | 125 | 2439800000 |
| 8 | 17.50 | 6.888 | 125 | 2439810000 |
| 9 | 20.00 | 7.872 | 125 | 2439820000 |
| 10 | 22.50 | 8.856 | 100 | 2439830000 |
| 11 | 25.00 | 9.840 | 100 | 2439840000 |
| 12 | 27.50 | 10.824 | 75 | 2439850000 |
| | | | | |

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Weidmüller 🏖 2977770000

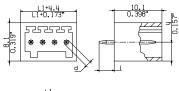
SL 2.50/../180G Box

closed side





Dimensioned drawing





HOLE PATTERN

Ordering data

| Uraering | j data | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 2.50 mr | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 2.50 | 0.984 | 250 | 2439910000 |
| 3 | 5.00 | 1.968 | 250 | 2439920000 |
| 4 | 7.50 | 2.952 | 250 | 2439930000 |
| 5 | 10.00 | 3.936 | 200 | 2439940000 |
| 6 | 12.50 | 4.920 | 175 | 2439950000 |
| 7 | 15.00 | 5.904 | 125 | 2439960000 |
| 8 | 17.50 | 6.888 | 125 | 2439970000 |
| 9 | 20.00 | 7.872 | 125 | 2439980000 |
| 10 | 22.50 | 8.856 | 100 | 2439990000 |
| 11 | 25.00 | 9.840 | 100 | 2440000000 |
| 12 | 27.50 | 10.824 | 75 | 2440010000 |

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2977770000 **Weidmüller ₹ H.7**

BLF 2.50/../180



PUSH IN - Weidmüller's innovative connection system simplifies the wire connection process.

The benefits for users and applications:

- High component density because of small pitch.
 Simply insert the prepared wire and you're done
- Simplified processing, featuring integrated push buttons for opening the wire-terminal point
- Intuitive handling since the wire-entry area and handling area are clearly separated

Product data

IEC: 320 V / 6 A / 0.08 - 0.5 mm² UL: 150 V / 5 A / AWG 28 - 20



For additional articles and information, refer to eshop.weidmueller.com

Note:

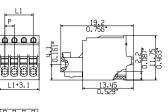
- · Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%. 36 months

BLF 2.50/../180





Nimensioned drawin





Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | | |
|--------------------------------|-----------------|---------|----------|------|--|
| Clamping range, max. | mm ² | - 1 | 0.080.5 | | |
| Solid core H05(07) V-U | mm ² | 0.080.5 | | 5 | |
| Stranded H07 V-R | | 0.5 | | | |
| Flexible H05(07) V-K | mm ² | - 1 | 0.080.5 | | |
| Flexible with ferrule | mm ² | C | 0.250.3 | 4 | |
| Ferrule with plastic collar | | | | | |
| Stripping length | mm | | 8 | | |
| Screwdriver blade | mm | | | | |
| According to norm | | - 1 | DIN 5264 | 4 | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 6 | | 6 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 80 | 320 | 320 | |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 150 | | | |
| Rated current | Α | 5 | | | |
| AWG conductor | AWG | | 28-20 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 150 | | | |
| Rated current | A | 5 | | | |
| AWG conductor | AWG | | 28-20 | | |
| General data | | | | _ | |
| Type of insulation material | | | PA | | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet $\emptyset = D$ | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 2.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 2.50 | 0.984 | 250 | 2438860000 |
| 3 | 5.00 | 1.968 | 250 | 2439650000 |
| 4 | 7.50 | 2.952 | 250 | 2439670000 |
| 5 | 10.00 | 3.936 | 200 | 2439680000 |
| 6 | 12.50 | 4.920 | 175 | 2439690000 |
| 7 | 15.00 | 5.904 | 125 | 2439700000 |
| 8 | 17.50 | 6.888 | 125 | 2439710000 |
| 9 | 20.00 | 7.872 | 125 | 2439720000 |
| 10 | 22.50 | 8.856 | 100 | 2439730000 |
| 11 | 25.00 | 9.840 | 100 | 2439740000 |
| 12 | 27.50 | 10.824 | 75 | 2439750000 |
| | | | | |

°l(† **2.50**

Н







H.8 Weidmüller ₹ 2977770000

OMNIMATE® Signal PCB connectors in 3.50 mm pitch

OMNIMATE® Signal PCB connectors in 3.50 mm pitch

| Double-row connectors in 3.50 mm pitch Series B2C/S2C 3.50 | | |
|---------------------------------------------------------------|-------------------|------|
| | Explanation | 1.2 |
| | Quick selection | 1.4 |
| | Product selection | I.6 |
| Connectors in 3.50 mm pitch Series BL/SL 3.50 | | |
| | Explanation | 1.20 |
| | Quick selection | 1.28 |
| | Product selection | 130 |

2977770000 **Weidmüller № 1.1**

Powerful compact connector with PUSH IN wire connection

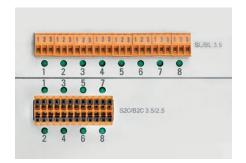
OMNIMATE® Signal – simple and safe connection for wires up to 1.5 mm²

When designing customised device connectivity products for modern applications, it is becoming increasingly important to find the perfect fit between device miniaturisation and increased device functionality. Our new double-row OMNIMATE® B2CF Signal connector, in 3.5 mm pitch, has this perfect fit and enables a new generation of more compact installations.

This connector is easy to work with, despite the increased functionality being packed into a compact space. The PUSH IN direct-insert wire connection mechanism allows you to conveniently connect the signal wires. There are more useful features: the tool-free locking and unlocking, the touch-safe male header, and the outstanding clarity provided by easy-to-read markers that identify each terminal point.

Packing Density 2.0

Smaller devices with increased technical capabilities are being designed for more applications. They take advantage of more contacts packed onto a small surface and a large wire cross-section capacity.







Weidmüller ₹ 2977770000

Large wire cross-sections

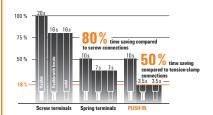
You can easily connect wires with cross-sections up to 1.5 mm² (when using wire-end ferrules) and up to 1.0 mm² (when using ferrules and plastic collars).





Direct insertion

PUSH IN: the quick, tool-free, intuitive connection mechanism for prepared wires. www.push-in.com



Halogen-free and IEC 60335

Halogen-free materials ensure future compatibility and extended approvals enhance the range of use for new device designs.



Convincing system accessories

Our matching accessories – including markers, light guides, strain relief and coding – improve operational safety and enable a professional design.



Convincing safety during use

This connector system is safe to use, with attractive features such as quick wire connections, tool-free locking and unlocking, and touch-safe design.



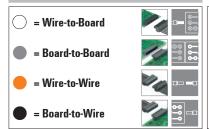
Solid PUSH IN contacts

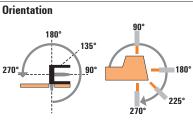
A safe, permanent connection is ensured by the optimised spring steel and specially-shaped contact element.



2977770000 **Weidmüller ₹ 1.3**

http://www.OMNIMATE.net





B2C/S2C 3.50 series



Levels Туре

Orientation

Flange options

IEC / UL

Spring PUSH IN



B2CF

(G)/F/LR

IEC: 320 V/13.4 A/0.14 - 1.5 mm² UL: 300 V/10 A/AWG 26 - 16





B2L QV

180°

180°

(G)/F/LH

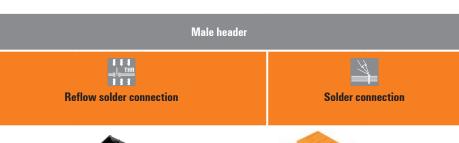
IEC: 200 V/10.6 A/0.2 - 1 mm² UL: 150 V/7 A/AWG 28 - 18

- (G)*= Closed (without flange)
- F = Screw flange with screw
- LH = Release lever
- LR = Lock & Release lever

- **G** = Closed (without flange)
- F = Screw flange with nut
- **LF** = Solder flange with nut

Weidmüller 🕏 2977770000

^{*} not included in the article description













| 1 | | 2 | | |
|-------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| S2C-SMT | S2C-SMT | S2CD-THR | S2L | S2L |
| 90° | 180° | 90° | 90° | 180° |
| G/LF | G/LF | G/LF | G/F | G/F |
| IEC: 200 V/13.4 A UL: 150 V/10 A | IEC: 200 V/13.4 A UL: 150 V/10 A | IEC: 200 V/7.9 A UL: 150 V/7 A | IEC: 250 V/10 A UL: 150 V/10 A | IEC: 250 V/10 A UL: 150 V/10 A |
| • | 0 | • | 0 | 0 |
| | | | 0 | |

2977770000 **Weidmüller ₹ 1.5**

B2CF/S2C and B2L/S2C 3.50 series



High-temperature-resistant, double-row male header

- Finger-safe
- \bullet Plugging direction parallel to PCB (recumbent / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm
- Can be plugged into female plug B2CF 3.50/../180..

Product data

IEC: 200 V / 13.4 A UL: 150 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

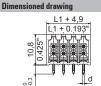
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

S2C-SMT 3.50/../90G Box

closed side













Technical data

| In compliance with IEC 60664-1 / I | EC 6100/ | | | |
|------------------------------------|-----------|------|----------|------|
| Clamping range, max. | EC 0 1984 | | | |
| 1 0 0. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | | 13.4 | | 12 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 80 | 160 | 200 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 150 | 50 | |
| Rated current | Α | 10 | 10 | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 150 | 50 | 150 |
| Rated current | Α | 9.5 | 9.5 | 9.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | 1 | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | Octago | onal |
| Solder eyelet Ø = D | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|---------------------------------------------|--|--|
| | Order No. | | |
| B2L/S2L 3.50 KO OR BX | 1849730000 | | |
| B2L/S2L 3.50 K0 BK BX | 1849740000 | | |
| | | | |
| e | | | |
| S2L/S2C 3.5 FLA 20/10 SMD | 1814590000 | | |
| | | | |
| | | | |
| | B2L/S2L 3.50 KO OR BX B2L/S2L 3.50 KO BK BX | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 216 | 1288980000 |
| 6 | 7.00 | 0.276 | 156 | 1289270000 |
| 8 | 10.50 | 0.413 | 120 | 1289280000 |
| 10 | 14.00 | 0.551 | 96 | 1289290000 |
| 12 | 17.50 | 0.689 | 78 | 1289300000 |
| 14 | 21.00 | 0.827 | 66 | 1289310000 |
| 16 | 24.50 | 0.965 | 60 | 1289320000 |
| 18 | 28.00 | 1.102 | 54 | 1289330000 |
| 20 | 31.50 | 1.240 | 48 | 1289340000 |
| 22 | 35.00 | 1.378 | 42 | 1289350000 |
| 24 | 38.50 | 1.516 | 42 | 1289370000 |





Weidmüller 🏖 2977770000

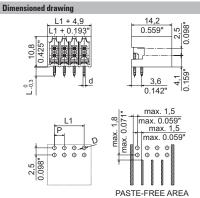
S2C-SMT 3.50/../90G Tape

closed side; tape-on-reel









Ordering data

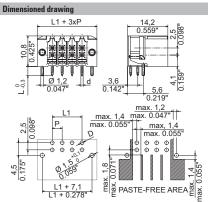
| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 235 | 1359580000 |
| 6 | 7.00 | 0.276 | 235 | 1359590000 |
| 8 | 10.50 | 0.413 | 235 | 1359600000 |
| 10 | 14.00 | 0.551 | 235 | 1359610000 |
| 12 | 17.50 | 0.689 | 235 | 1359620000 |
| 14 | 21.00 | 0.827 | 235 | 1359630000 |
| 16 | 24.50 | 0.965 | 235 | 1359640000 |
| 18 | 28.00 | 1.102 | 235 | 1359650000 |
| 20 | 31.50 | 1.240 | 235 | 1359670000 |
| 22 | 35.00 | 1.378 | 235 | 1359680000 |
| 24 | 38.50 | 1.516 | 235 | 1359690000 |
| | 30.30 | 1.010 | 230 | 1333030000 |

S2C-SMT 3.50/../90LF Box

with solder flange







Ordering data

| length | | | 3.2 mm |
|---------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | black |
| 3.50 mm | | | |
| L1 | (inch) | Qty. | Order No. |
| 3.50 | 0.138 | 132 | 1289450000 |
| 7.00 | 0.276 | 102 | 1289460000 |
| 10.50 | 0.413 | 84 | 1289470000 |
| 14.00 | 0.551 | 72 | 1289480000 |
| 17.50 | 0.689 | 66 | 1289490000 |
| 21.00 | 0.827 | 54 | 1289500000 |
| 24.50 | 0.965 | 48 | 1289510000 |
| 28.00 | 1.102 | 48 | 1289520000 |
| 31.50 | 1.240 | 42 | 1289530000 |
| 35.00 | 1.378 | 36 | 1289540000 |
| 38.50 | 1.516 | 36 | 1289550000 |
| | 3.50 mm L1 3.50 7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 3.50 mm L1 (inch) 3.50 0.138 7.00 0.276 10.50 0.413 14.00 0.551 17.50 0.689 21.00 0.827 24.50 0.965 28.00 1.102 31.50 1.240 35.00 1.378 | 3.50 mm L1 (inch) Oty. 3.50 0.138 132 7.00 0.276 102 10.50 0.413 84 14.00 0.551 72 17.50 0.689 66 21.00 0.827 54 24.50 0.965 48 28.00 1.102 48 31.50 1.240 42 35.00 1.378 36 |

S2C-SMT 3.50/../90LF Tape

with solder flange; tape-on-reel







| Dimensioned drawing |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14.2 0.559" 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 |
| Max. 1.4 max. 0.047" max. 1.4 max. 0.055" max. 1.4 max. 0.055" max |

Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 1.5 mm |
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 235 | 1359080000 |
| 6 | 7.00 | 0.276 | 235 | 1359090000 |
| 8 | 10.50 | 0.413 | 235 | 1359110000 |
| 10 | 14.00 | 0.551 | 235 | 1359120000 |
| 12 | 17.50 | 0.689 | 235 | 1359130000 |
| 14 | 21.00 | 0.827 | 235 | 1359140000 |
| 16 | 24.50 | 0.965 | 235 | 1359150000 |
| 18 | 28.00 | 1.102 | 235 | 1359160000 |
| 20 | 31.50 | 1.240 | 235 | 1359170000 |
| | | | | |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

S2C-SMT 3.50/../180



High-temperature-resistant, double-row male header

- Finger-safe
- Plugging direction vertical to PCB (standing / 180°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm
- $\bullet\,$ Pluggable to female connector B2CF 3.50/../180..

Product data

IEC: 200 V / 13.4 A UL: 150 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

S2C-SMT 3.50/../180G Box

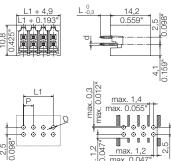
closed side







Dimensioned drawin



PASTE-FREE AREA

2.0 0.0000

Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | ŀ | | |
|----------------------------------|-----------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | | 13.4 | | 12 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 80 | 160 | 200 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 150 | 50 | |
| Rated current | Α | 10 | 10 | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 150 | 50 | 150 |
| Rated current | Α | 9.5 | 9.5 | 9.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Coding | | Order No. |
| | B2L/S2L 3.50 KO OR BX | 1849730000 |
| | B2L/S2L 3.50 KO BK BX | 1849740000 |
| | | |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 216 | 1290030000 |
| 6 | 7.00 | 0.276 | 156 | 1290040000 |
| 8 | 10.50 | 0.413 | 120 | 1290050000 |
| 10 | 14.00 | 0.551 | 96 | 1290060000 |
| 12 | 17.50 | 0.689 | 78 | 1290070000 |
| 14 | 21.00 | 0.827 | 66 | 1290080000 |
| 16 | 24.50 | 0.965 | 60 | 1290090000 |
| 18 | 28.00 | 1.102 | 54 | 1290110000 |
| 20 | 31.50 | 1.240 | 48 | 1290120000 |
| 22 | 35.00 | 1.378 | 42 | 1290130000 |
| 24 | 38.50 | 1.516 | 42 | 1290140000 |
| | | | | |





.8 Weidmüller ₹ 2977770000

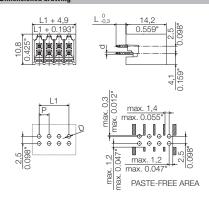
S2C-SMT 3.50/../180G Tape

closed side; tape-on-reel









Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 175 | 1358860000 |
| 6 | 7.00 | 0.276 | 175 | 1358870000 |
| 8 | 10.50 | 0.413 | 175 | 1358880000 |
| 10 | 14.00 | 0.551 | 175 | 1358900000 |
| 12 | 17.50 | 0.689 | 175 | 1358920000 |
| 14 | 21.00 | 0.827 | 175 | 1358940000 |
| 16 | 24.50 | 0.965 | 175 | 1358970000 |
| 18 | 28.00 | 1.102 | 175 | 1358990000 |
| 20 | 31.50 | 1.240 | 175 | 1359020000 |
| 22 | 35.00 | 1.378 | 175 | 1359040000 |
| 24 | 38.50 | 1.516 | 150 | 1359060000 |

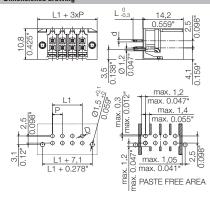
S2C-SMT 3.50/../180LF Box

with solder flange









Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 132 | 1290220000 |
| 6 | 7.00 | 0.276 | 102 | 1290230000 |
| 8 | 10.50 | 0.413 | 84 | 1290240000 |
| 10 | 14.00 | 0.551 | 72 | 1290250000 |
| 12 | 17.50 | 0.689 | 66 | 1290260000 |
| 14 | 21.00 | 0.827 | 54 | 1290270000 |
| 16 | 24.50 | 0.965 | 48 | 1290280000 |
| 18 | 28.00 | 1.102 | 48 | 1290290000 |
| 20 | 31.50 | 1.240 | 42 | 1290310000 |
| 22 | 35.00 | 1.378 | 36 | 1290320000 |
| 24 | 38.50 | 1.516 | 36 | 1290330000 |

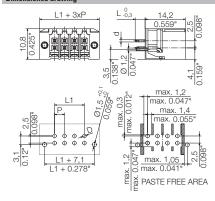
S2C-SMT 3.50/../180LF Tape

with solder flange; tape-on-reel









Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 1.5 mm |
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 175 | 1358630000 |
| 6 | 7.00 | 0.276 | 175 | 1358640000 |
| 8 | 10.50 | 0.413 | 175 | 1358650000 |
| 10 | 14.00 | 0.551 | 175 | 1358670000 |
| 12 | 17.50 | 0.689 | 175 | 1358680000 |
| 14 | 21.00 | 0.827 | 175 | 1358690000 |
| 16 | 24.50 | 0.965 | 175 | 1358700000 |
| 18 | 28.00 | 1.102 | 175 | 1358710000 |
| 20 | 31.50 | 1.240 | 150 | 1358720000 |
| | | | | |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

S2CD-THR 3.50/../90



High contact density on a small surface: 75% space savings on the PCB. The only 4-row double-level male header for typical IP 20 sensor interfaces in 3.50 mm pitch.

- Finger-safe
- Plugging direction in parallel to circuit board (horizontal / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed in a cardboard box (BX)
- Suitable for reflow and wave soldering applications
- Pin length 3.2 mm
- Can be plugged into female plug B2CF 3.50/../180..

Product data

IEC: 200 V / 7.9 A UL: 150 V / 9.5 A



For additional articles and information, refer to eshop.weidmueller.com

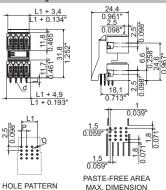
- Gold-plated contact surfaces on request
- · Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

S2CD-THR 3.50/../90G

closed side









MAX. DIMENSION

Technical data

| In compliance with IEC 60664-1 | / IFC 6198/ | 1 | | |
|--------------------------------|--------------|------|----------|------|
| Clamping range, max. | / 120 0 130- | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 7.9 | | 6.8 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 100 | 160 | 200 |
| Rated impulse voltage | kV | 1.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 150 | 50 | 50 |
| Rated current | Α | 9.5 | 9.5 | 9.5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 50 | 50 | 150 |
| Rated current | Α | 5 | 9.5 | 9.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | Octago | onal |
| Solder eyelet Ø = D | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------------|------------|--|--|
| Coding | | Order No. | | |
| | B2L/S2L 3.50 KO OR BX | 1849730000 | | |
| | B2L/S2L 3.50 KO BK BX | 1849740000 | | |
| | | | | |

Ordering data

| Solder pir | n length | | | 3.2 mm |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 8 | 10.50 | 0.413 | 50 | 1357790000 |
| 12 | 17.50 | 0.689 | 50 | 1357800000 |
| 16 | 24.50 | 0.965 | 20 | 1357820000 |
| 20 | 31.50 | 1.240 | 20 | 1357830000 |
| 24 | 38.50 | 1.516 | 20 | 1357840000 |
| 28 | 45.50 | 1.791 | 20 | 1357850000 |
| 32 | 52.50 | 2.067 | 20 | 1357870000 |
| 36 | 59.50 | 2.343 | 20 | 1357880000 |

1.5 mm solder pin length available on request



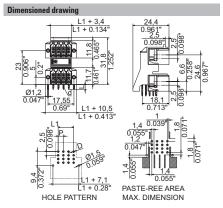
Weidmüller 🏖 2977770000

S2CD-THR 3.50/../90LF

with solder flange







Ordering data

| Solder pir | ı length | | | 3.2 mm |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 8 | 10.50 | 0.413 | 50 | 1357890000 |
| 12 | 17.50 | 0.689 | 50 | 1357900000 |
| 16 | 24.50 | 0.965 | 20 | 1357920000 |
| 20 | 31.50 | 1.240 | 20 | 1357930000 |
| 24 | 38.50 | 1.516 | 20 | 1357940000 |
| 28 | 45.50 | 1.791 | 20 | 1357950000 |
| 32 | 52.50 | 2.067 | 20 | 1357970000 |
| 36 | 59.50 | 2.343 | 20 | 1357990000 |
| | | | | |

1.5 mm solder pin length available on request

2977770000 **Weidmüller** ₹ 1.11

B2CF 3.50/../180



Two-row female plug with PUSH IN spring connection.

- Simply insert the prepared wires finished
- Intuitive handling since the wire-entry area and handling area are clearly separated.
- Integrated push-buttons for opening the terminal point
- High component density because of low heights
- Optional: the lock and release requires no tools when using Weidmüller's patented (LR) release latch
- Approval according to IEC 60335 and GL in preparation
- Also compatible with series: S2L 3.50, S2L-SMT 3.50 and S2LD-THR 3.50

Product data

IEC: 320 V / 13.4 A / 0.14 - 1.5 mm² UL: 300 V / 9.5 A / AWG 30 - 16



For additional articles and information, refer to eshop.weidmueller.com

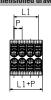
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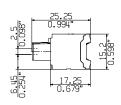
- · Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Max. outer diameter of the conductor 2.6 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

B2CF 3.50/../180











Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|----------|----------|------|
| Clamping range, max. | mm ² | 0 | .141 | .5 |
| Solid core H05(07) V-U | mm ² | 0.141.5 | | .5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0 | .141. | .5 |
| Flexible with ferrule | mm ² | 0 | .141. | .5 |
| Ferrule with plastic collar | mm ² | | 0.141 | |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | (|).4 x 2. | 5 |
| According to norm | | D | IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 13.4 | | 12 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1.5 | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | Α | 9.5 | 9.5 | 9.5 |
| AWG conductor | AWG | | 30-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | Α | 9.5 | 9.5 | 9.5 |
| AWG conductor | AWG | | 30-16 | |
| General data | | | | |
| Type of insulation material | | PA | 66 GF | 30 |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------------|------------|--|--|
| Coding | | Order No. | | |
| | B2L/S2L 3.50 KO OR BX | 1849730000 | | |
| | B2L/S2L 3.50 KO BK BX | 1849740000 | | |
| | | | | |
| Strain relief | | | | |
| | BL 3.50 ZE03 OR BX | 1629680000 | | |
| | BL 3.50 ZE03 BK BX | 1627820000 | | |
| | BL 3.50 ZE08 OR BX | 1629690000 | | |
| Screwdriver | | | | |
| D | SDS 0.4X2.5X75 | 2749320000 | | |
| 1 | | | | |
| / | | | | |
| Pressing tool | | | | |
| SV | PZ 1.5 | 9005990000 | | |
| | PZ 6/5 | 9011460000 | | |
| | | | | |

Ordering data

| Solder pin | lenath | | | |
|------------|---------|--------|------|------------|
| Colour | g | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 215 | 1277270000 |
| 6 | 7.00 | 0.276 | 145 | 1277280000 |
| 8 | 10.50 | 0.413 | 132 | 1277290000 |
| 10 | 14.00 | 0.551 | 102 | 1277310000 |
| 12 | 17.50 | 0.689 | 84 | 1277320000 |
| 14 | 21.00 | 0.827 | 72 | 1277330000 |
| 16 | 24.50 | 0.965 | 66 | 1277340000 |
| 18 | 28.00 | 1.102 | 54 | 1277350000 |
| 20 | 31.50 | 1.240 | 48 | 1277360000 |
| 22 | 35.00 | 1.378 | 48 | 1277370000 |
| 24 | 38.50 | 1.516 | 42 | 1277380000 |
| | | | | |

3.50D



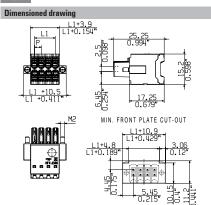
Weidmüller ₹ 2977770000

B2CF 3.50/../180F

with screw flange







Ordering data

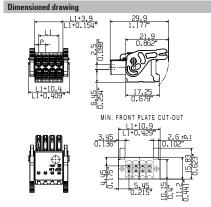
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 90 | 1277650000 |
| 6 | 7.00 | 0.276 | 75 | 1277670000 |
| 8 | 10.50 | 0.413 | 84 | 1277680000 |
| 10 | 14.00 | 0.551 | 72 | 1277690000 |
| 12 | 17.50 | 0.689 | 66 | 1277720000 |
| 14 | 21.00 | 0.827 | 54 | 1277730000 |
| 16 | 24.50 | 0.965 | 48 | 1277740000 |
| 18 | 28.00 | 1.102 | 48 | 1277750000 |
| 20 | 31.50 | 1.240 | 42 | 1277760000 |
| 22 | 35.00 | 1.378 | 36 | 1277770000 |
| 24 | 38.50 | 1.516 | 36 | 1277780000 |

B2CF 3.50/../180LR

with release latch







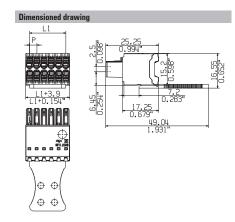
Ordering data

| Colour | | | | orange |
|--------|---------|--------|------|------------|
| Pitch | 3.50 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 105 | 1278040000 |
| 6 | 7.00 | 0.276 | 85 | 1278050000 |
| 8 | 10.50 | 0.413 | 84 | 1278060000 |
| 10 | 14.00 | 0.551 | 72 | 1278070000 |
| 12 | 17.50 | 0.689 | 66 | 1278080000 |
| 14 | 21.00 | 0.827 | 54 | 1278090000 |
| 16 | 24.50 | 0.965 | 48 | 1278100000 |
| 18 | 28.00 | 1.102 | 48 | 1278110000 |
| 20 | 31.50 | 1.240 | 42 | 1278120000 |
| 22 | 35.00 | 1.378 | 36 | 1278130000 |
| 24 | 38.50 | 1.516 | 36 | 1278140000 |

B2CF 3.50/../180ZE

with strain relief





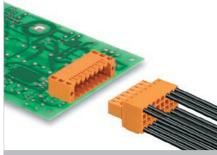
Ordering data

| Colour | | | | orange |
|--------|---------|--------|------|-----------|
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 12 | 17.50 | 0.69 | 84 | 273083000 |
| 14 | 21.00 | 0.83 | 72 | 273090000 |
| 16 | 24.50 | 0.97 | 66 | 302127000 |
| 18 | 28.00 | 1.10 | 54 | 302131000 |
| 22 | 31.50 | 1.24 | 48 | 302133000 |
| 22 | 35.00 | 1.38 | 48 | 302134000 |
| 24 | 38.50 | 1.52 | 42 | 302135000 |

Release lever (LH) see Online catalogue

Weidmüller 3 1.13 2977770000

S2L 3.50/../90



Angled, double-row male header. Male headers with 3.5 mm pins that are designed for wave soldering and are packaged in a box. Available in closed (G) version and with screw flange (F).

Product data

IEC: 250 V / 10 A UL: 150 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

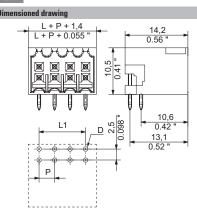
- Additional variants on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

S2L 3.50/../90G

closed ends







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 10 | | 9 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 80 | 125 | 250 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 150 | 50 | |
| Rated current | Α | 10 | 10 | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 150 | | |
| Rated current | Α | 5 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|----------------|------------------------|------------|
| | B2L/S2L 3.50 KO OR BX | 1849730000 |
| | B2L/S2L 3.50 K0 BK BX | 1849740000 |
| | | |
| LED light guid | e | |
| 2 | S2L/S2C 3.5 FLA 20/10 | 1699580000 |
| | | |
| -43 | | |
| Mounting scr | ew | |
| Ma - | PTSC KA 2.2X4.5 WN1412 | 1610740000 |
| | | |
| - | | |

Ordering data

| length | | | 3.5 mm |
|---------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | orange |
| 3.50 mm | | | |
| L1 | (inch) | Qty. | Order No. |
| 7.00 | 0.276 | 156 | 1727830000 |
| 10.50 | 0.413 | 120 | 1727840000 |
| 14.00 | 0.551 | 96 | 1727850000 |
| 17.50 | 0.689 | 78 | 1727860000 |
| 21.00 | 0.827 | 66 | 1727870000 |
| 24.50 | 0.965 | 60 | 1727880000 |
| 28.00 | 1.102 | 54 | 1727890000 |
| 31.50 | 1.240 | 48 | 1727900000 |
| 35.00 | 1.378 | 42 | 1727910000 |
| 38.50 | 1.516 | 42 | 1727920000 |
| | 3.50 mm L1 7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 3.50 mm L1 (inch) 7.00 0.276 10.50 0.413 14.00 0.551 17.50 0.689 21.00 0.827 24.50 0.965 28.00 1.102 31.50 1.240 35.00 1.378 | 3.50 mm L1 (inch) Oty. 7.00 0.276 156 10.50 0.413 120 14.00 0.551 96 17.50 0.689 78 21.00 0.827 66 24.50 0.965 60 28.00 1.102 54 31.50 1.240 48 35.00 1.378 42 |

For open version, see online catalogue



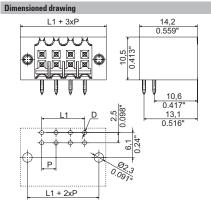
Weidmüller 🏖 2977770000

S2L 3.50/../90F

with screw flange







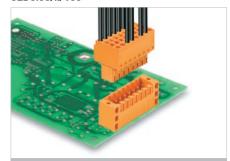
Ordering data

| Solder pin | 3.5 mm | | | | | | | |
|------------|---------|--------|------|------------|--|--|--|--|
| Colour | orange | | | | | | | |
| Pitch | 3.50 mm | ı | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | | |
| 6 | 7.00 | 0.276 | 102 | 1728470000 | | | | |
| 8 | 10.50 | 0.413 | 84 | 1728480000 | | | | |
| 10 | 14.00 | 0.551 | 72 | 1728490000 | | | | |
| 12 | 17.50 | 0.689 | 66 | 1728500000 | | | | |
| 14 | 21.00 | 0.827 | 54 | 1728510000 | | | | |
| 16 | 24.50 | 0.965 | 48 | 1728520000 | | | | |
| 18 | 28.00 | 1.102 | 48 | 1728530000 | | | | |
| 20 | 31.50 | 1.240 | 42 | 1728540000 | | | | |
| 22 | 35.00 | 1.378 | 36 | 1728550000 | | | | |
| 24 | 38.50 | 1.516 | 36 | 1728560000 | | | | |
| | | | | | | | | |

For open version, see online catalogue

2977770000 **Weidmüller 3 1.15**

S2L 3.50/../180



Straight, double-row male header. Male headers with 3.5 mm pins that are designed for wave soldering and are packaged in a box. The flange version can be screwed on the PCB. The male headers provide space for labelling and can be coded. Available in closed (G) version and with screw flange (LF).

Product data

IEC: 250 V / 10 A UL: 150 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

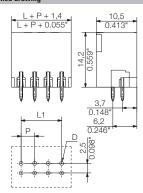
- Additional variants on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

S2L 3.50/../180G

closed ends







Technical data

| In compliance with IEC 60664-1 / | / IFC 61984 | ı | | |
|----------------------------------|-------------|------|----------|------|
| Clamping range, max. | 12001001 | | | _ |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 10 | | 9 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 80 | 125 | 250 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 150 | 50 | |
| Rated current | Α | 10 | 10 | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 150 | | |
| Rated current | Α | 5 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | ' |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|--------------|------------------------|------------|
| | B2L/S2L 3.50 KO OR BX | 1849730000 |
| | B2L/S2L 3.50 K0 BK BX | 1849740000 |
| | | |
| Mounting scr | ew | |
| | | |
| Other - | PTSC KA 2.2X4.5 WN1412 | 1610740000 |
| 9 | PTSC KA 2.2X4.5 WN1412 | 1610740000 |

Ordering data

| Solder pin length | | | | | | |
|-------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Colour | | | | | | |
| Pitch 3.50 mm | | | | | | |
| L1 | (inch) | Qty. | Order No. | | | |
| 7.00 | 0.276 | 156 | 1728790000 | | | |
| 10.50 | 0.413 | 120 | 1728800000 | | | |
| 14.00 | 0.551 | 96 | 1728810000 | | | |
| 17.50 | 0.689 | 78 | 1728820000 | | | |
| 21.00 | 0.827 | 66 | 1728830000 | | | |
| 24.50 | 0.965 | 60 | 1728840000 | | | |
| 28.00 | 1.102 | 54 | 1728850000 | | | |
| 31.50 | 1.240 | 48 | 1728860000 | | | |
| 35.00 | 1.378 | 42 | 1728870000 | | | |
| 38.50 | 1.516 | 42 | 1728880000 | | | |
| | 3.50 mm L1 7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 3.50 mm L1 (inch) 7.00 0.276 10.50 0.413 14.00 0.551 17.50 0.689 21.00 0.827 24.50 0.965 28.00 1.102 31.50 1.240 35.00 1.378 | 3.50 mm L1 (inch) Qty. 7.00 0.276 156 10.50 0.413 120 14.00 0.551 96 17.50 0.689 78 21.00 0.827 66 24.50 0.965 60 28.00 1.102 54 31.50 1.240 48 35.00 1.378 42 | | | |

For open version, see online catalogue



Weidmüller 🏖 2977770000

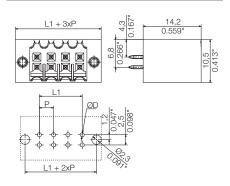
S2L 3.50/../180F

with screw flange





Dimensioned drawing



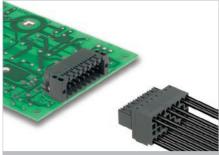
Ordering data

| Solder p | in length | | | 3.5 mm | | | | |
|----------|-----------|--------|------|------------|--|--|--|--|
| Colour | orange | | | | | | | |
| Pitch | 3.50 mm | | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | | |
| 6 | 7.00 | 0.276 | 102 | 1729430000 | | | | |
| 8 | 10.50 | 0.413 | 84 | 1729440000 | | | | |
| 10 | 14.00 | 0.551 | 72 | 1729450000 | | | | |
| 12 | 17.50 | 0.689 | 66 | 1729460000 | | | | |
| 14 | 21.00 | 0.827 | 54 | 1729470000 | | | | |
| 16 | 24.50 | 0.965 | 48 | 1729480000 | | | | |
| 18 | 28.00 | 1.102 | 48 | 1729490000 | | | | |
| 20 | 31.50 | 1.240 | 42 | 1729500000 | | | | |
| 22 | 35.00 | 1.378 | 36 | 1729510000 | | | | |
| 24 | 38.50 | 1.516 | 36 | 1729520000 | | | | |
| | | | | | | | | |

For open version, see online catalogue

2977770000 **Weidmüller ₹** 1.17

B2L 3.50/../180 QV



Female plugs with integral cross-connection.

- Cross-connection is positioned vertically between the poles of rows directly on top of each other.
- · Tension clamp connection with straight outlet and 3.5 mm pitch.
- Flange (F) and release lever (LH) available.

Product data

IEC: 200 V / 10.6 A / 0.2 - 1 mm² UL: 150 V / 7 A / AWG 28 - 18



For additional articles and information, refer to eshop.weidmueller.com

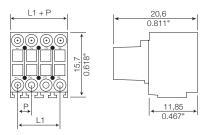
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- We recommend crimp shape A for wire-end ferrules with crimping tool PZ 6/5 (order no. 9011460000) for the larger wire crosssections.
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

B2L 3.50/../180QV

with cross-connection







Technical data

| lechnical data | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | | 0.081 | |
| Solid core H05(07) V-U | mm ² | | 0.21 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21 | |
| Flexible with ferrule | mm ² | 0. | .140.3 | 34 |
| Ferrule with plastic collar | mm ² | 0. | .140.3 | 34 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | (| 0.4 x 2. | 5 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 10.6 | | 9.1 |
| At ambient temperature | | 20°C | | 40° |
| For conductor cross-section | mm ² | | 1 | |
| Overvoltage category | | III | III | - II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 80 | 160 | 200 |
| Rated impulse voltage | kV | 1.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 150 | 50 | |
| Rated current | Α | 7 | 7 | |
| AWG conductor | AWG | | 28-18 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 7 | | |
| AWG conductor | AWG | | 28-18 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |

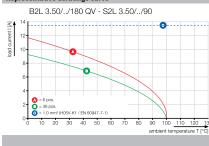
Accessories

| Coding | | Order No. |
|--------------|-----------------------|------------|
| Journa | B2L/S2L 3.50 KO OR BX | 1849730000 |
| | | |
| 3 | B2L/S2L 3.50 KO BK BX | 1849740000 |
| lood | | |
| | B2L 3.50 AH06 BK BX | 1781560000 |
| | B2L 3.50 AH08 BK BX | 1781570000 |
| | B2L 3.50 AH10 BK BX | 1781580000 |
| | B2L 3.50 AH12 BK BX | 1781590000 |
| • | B2L 3.50 AH14 BK BX | 1781600000 |
| | B2L 3.50 AH16 BK BX | 1781610000 |
| | B2L 3.50 AH18 BK BX | 1781620000 |
| | B2L 3.50 AH20 BK BX | 1781630000 |
| | B2L 3.50 AH22 BK BX | 1781640000 |
| | B2L 3.50 AH24 BK BX | 1781650000 |
| | B2L 3.50 AH26 BK BX | 1781660000 |
| | B2L 3.50 AH30 BK BX | 1781680000 |
| | B2L 3.50 AH32 BK BX | 1781690000 |
| | B2L 3.50 AH34 BK BX | 1781700000 |
| | B2L 3.50 AH36 BK BX | 1781710000 |
| Screwdriver | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 |
| 1 | | |
| | | |
| ressing tool | | |
| | PZ 6/5 | 9011460000 |
| 20 | PZ 1.5 | 9005990000 |

Ordering data

| Solder pin length | | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|--|
| Colour | | | | black | | | | |
| Pitch | 3.50 mm | | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | | |
| 6 | 7.00 | 0.276 | 174 | 1944590000 | | | | |
| 8 | 10.50 | 0.413 | 132 | 1944600000 | | | | |
| 10 | 14.00 | 0.551 | 102 | 1944610000 | | | | |
| 12 | 17.50 | 0.689 | 84 | 1944620000 | | | | |
| 14 | 21.00 | 0.827 | 72 | 1944630000 | | | | |
| 16 | 24.50 | 0.965 | 66 | 1944640000 | | | | |
| 18 | 28.00 | 1.102 | 54 | 1944650000 | | | | |
| | | | | | | | | |

Representative deratings curve



Solder eyelet Ø tolerance





Weidmüller 🏖 2977770000

B2L 3.50/../180FQV

with cross-connection and flange





Nimensioned drawing

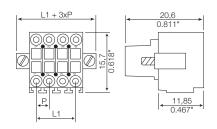
B2L 3.50/../180LHQV

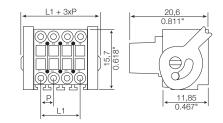
with cross-connection and release lever





Dimensioned drawin





Ordering data

| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | | | | black | | | |
| Pitch | 3.50 mm | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 6 | 7.00 | 0.276 | 108 | 1944670000 | | | |
| 8 | 10.50 | 0.413 | 90 | 1944680000 | | | |
| 10 | 14.00 | 0.551 | 72 | 1944690000 | | | |
| 12 | 17.50 | 0.689 | 66 | 1944700000 | | | |
| 14 | 21.00 | 0.827 | 20 | 1944710000 | | | |
| 16 | 24.50 | 0.965 | 54 | 1944720000 | | | |
| 18 | 28.00 | 1.102 | 48 | 1944730000 | | | |
| | | | | | | | |

Ordering data

| Solder pin | | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 6 | 7.00 | 0.276 | 108 | 1944750000 |
| 8 | 10.50 | 0.413 | 90 | 1944760000 |
| 10 | 14.00 | 0.551 | 72 | 1944770000 |
| 12 | 17.50 | 0.689 | 66 | 1944780000 |
| 14 | 21.00 | 0.827 | 20 | 1944790000 |
| 16 | 24.50 | 0.965 | 54 | 1944800000 |
| 18 | 28.00 | 1.102 | 48 | 1944810000 |

2977770000 **Weidmüller** ₹ 1.19

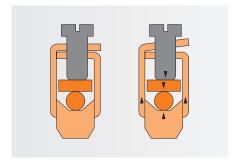
Excellent design & performance: the single row BL/SL Connector system with 3.50 pitch and the connection of I/Os

Extensive range of male headers and female plugs that cover different angles to the PCB and conductor angle to the field as well as a large range of accessories make the 3.50 mm pitch very versatile.

Strong in performance and connections, compact in its size:

- Wire cross-sections from 0.20 to 1.5 mm² (AWG 28-14)
- · Wire connection without special tools
- More than just extra-low voltages: up to 250 V (IEC) / 300 V (UL)
- More than enough: up to 17 A (IEC) / 10 A (UL)





1.20 Weidmüller ₹ 2977770000

Maximum packing density

Either in a device using double layer male headers SLD or in the field using a 3 row socket connector BL-I/O.



Advanced application possibilities

The extensive range of accessories increases the versatility and permits any desired combination of male headers and female plugs.



Versatile field connection

Choose your individual connection from the classic BL screw connection or the future-proof PUSH IN connection BLF or BL-I/O.



Optimum processing

The tape-on-reel packaging for high temperature-resistant male headers made of LCP guarantees a suitable product for automated processing. The integrated solder flange significantly increases the PCB's stability and replaces the screw that would normally be added later.



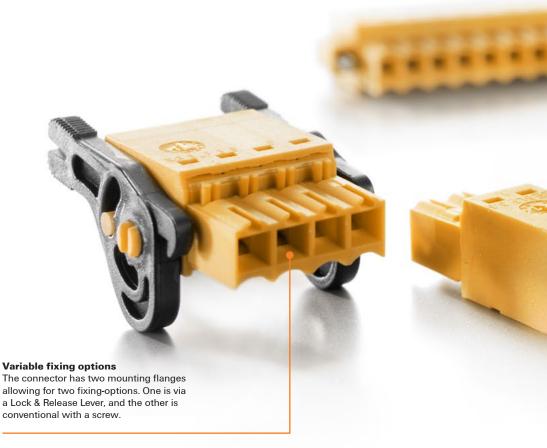


2977770000 **Weidmüller** ₹ 1.21

Efficient connections on smallest footprint BLF 3.5 PUSH IN connector in 3.50 mm pitch

Increasingly complex control systems are required in industrial automation technology. In addition, the cost pressure and the requirements for plant safety are rising. The PUSH IN connector BLF 3.5 sets new standards in order to meet these challenges optimally.

The particularly flat and compact BLF 3.5 has been developed especially for industrial automation technology. Its PUSH IN connection technology, equipped with functional release and locking levers, is suitable for conductor cross sections up to 1.5 mm² and supports a fast and reliable handling during installation and maintenance. A safety rib prevents accidentally pushing the lever when plugging.

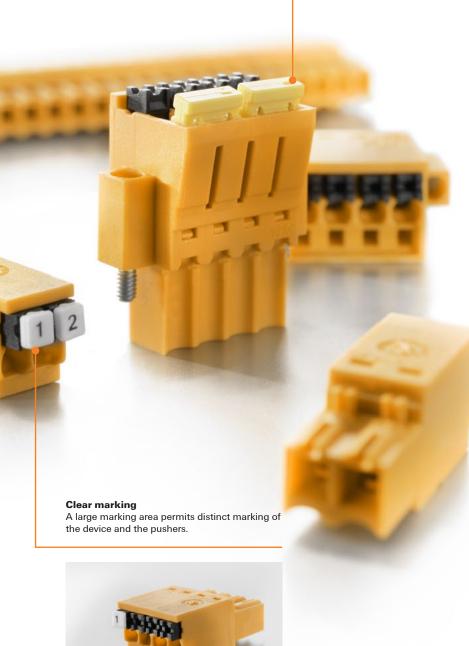




1.22 Weidmüller ₹ 2977770000

Pluggable cross connectionWith the standard accessory ZQV 1.5N/ R3.5/2-4, pluggable cross connections can be established with up to four poles.





Your special advantages

- PUSH IN connectors for conductor cross sections up
- High component density thanks to compact design
- Highly visible marking field for labelling
- Integrated mounting flanges
- Strain relief to fix and pull out the wire
- Pluggable cross connection optional



Webcode: #11410

Weidmüller ₹ 1.23 2977770000

Small – smaller – BL-I/O: minimal size – maximum functionality

You have a free choice for the field wiring: whether you prefer the compact version with our 3 row female plug BL-I/O 3.50/30-poles or rather conventional systems with terminals or interface modules lowercase's. Since the female plug BL-I/O 3.50 based I/O systems are backwards compatible with existing field connections.

The female plug BL-I/O 3.50 mm pitch is an

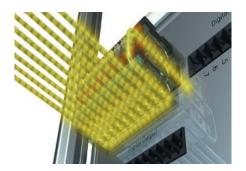
- · extremely compact,
- 1 or 3 row female plug, suitable for connection of remote sensors and/or actuators
- with integrated LED display
- and integrated cross-connections for potential distribution.

For efficient remote functional units in the field level the female plug BL-I/O 3.50 is a space saving solution to connect I/O components.

Savings from the female connector BL-I/O are apparent in the development and the manufacturing of the PCB. The layout is simplified by 62~% and fewer layers are required.

Multiply your potential

Special cross-connectors, that are integrated into the second and third rows of the female plug, distribute the supply voltage to the individual I/O channels. In this way you can input, transfer or bridge the supply voltage. Thus you can save space with the I/O electronics, and you can reduce your wiring overhead.



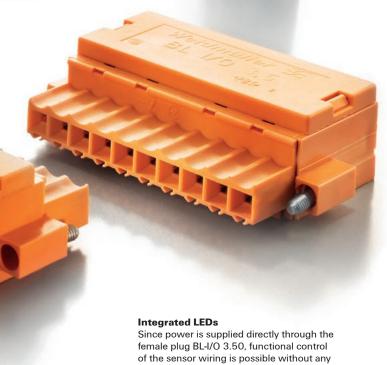
... as simple as that

Simply insert solid or flexible conductors with ferrules. The simple pressing of one button opens the terminal connections and allows you to insert the flexible wire without ferrules in no time at all. Disconnecting the wire is just as easy: press the button and pull out the wire.











additionally connected I/O electronics. That simplifies initial commissioning and also clears

up space on the control unit.

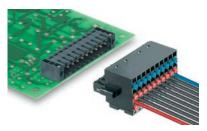
Intuitive locking and releasing

The 3 row female plug BL-I/O 3.50/30/180LR with lock & release lever to allow tool free interlocking and electronic assembly protecting release with the new male header SL-SMT 3.50/10/../RF with clip-on flange



Rugged screw flange

The 3 row female plug BL-I/O 3-5/30/180F with screw flange for vibration and shock resistant interlocking in conjunction with the male header SL-SMT 3.50/10/../LF with solder flange.



Screwless PCB fastening - suitable for automatic assembly

The male header SL-SMT has a clip-on flange for the release latch and is available as solder flange variant for the screw flange. In both variants the extra solder pin replaces the screw that would have to be added later and significantly increases the mechanical stability to the PCB.



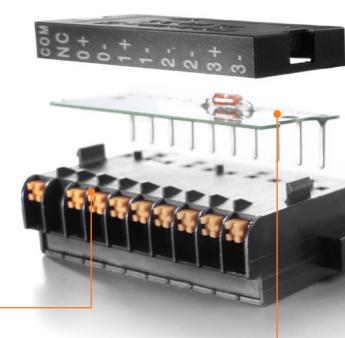
2977770000 **Weidmüller** ₹ 1.25

The industrial PUSH IN smart connection

BL I/O 3.5 CJC connectors with integrated cold junction compensation

Many industrial applications demand increasingly higher accuracy of temperature measurement. At the same time, the required equipment must become cheaper and smaller. For the BL I/O 3.5 CJC, the cold junction compensation is integrated into the connector, which reduces space and costs.

The cold junction compensation of the BL I/O CJC is integrated by a thermistor in the connector. Therefore, no additional compensation is needed when connecting thermocouples to a device to measure the temperature. The integrated compensation simplifies the device and increases the measuring accuracy up to 20 %.



PUSH IN connection up to 1.5 mm²

With the PUSH IN connection technology, the conductor connection becomes tool-free. Solid conductors or flexible conductors with wire end ferrules are easily inserted.



Integrated thermistor

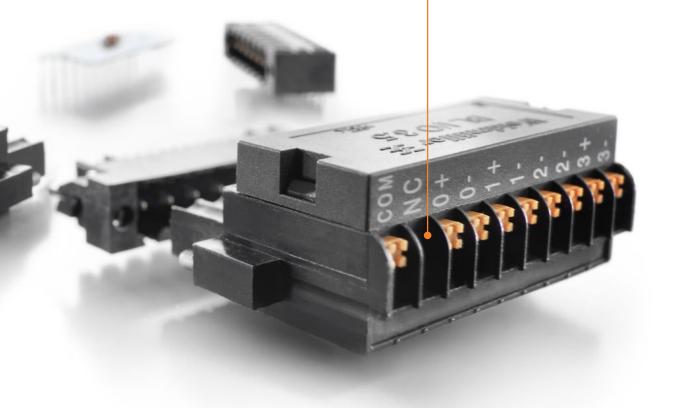
Cold junction compensation by integrated thermistor, to have a higher precision measuring up to 20 %. This helps for an easy devise design



26 Weidmüller ₹ 2977770000

Clear markingThe large marking area supports a distinct and legible marking.



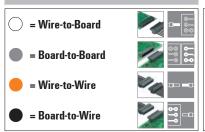


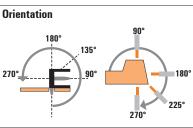
Your special advantages

- PUSH IN connector for conductor cross sections up to 1.5 mm²
- Cold junction compensation for the connection of thermocouples
- Up to four measuring connections for thermocouples
- High component density in a compact design
- Clearly visible marking area for labels
- Integrated mounting flanges

Weidmüller **₹** 1.27 2977770000

http://www.OMNIMATE.net











| BL/SL | 3.50 series | | | | | Levels | | 1 | |
|------------------|---------------|-------------------|-------------------|---------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------|-----------------------------------|--|
| ■ 5883 | 2003年回 | | Туре | | | | SL-SMT | SL-SMT | |
| | | | | Orienta | ation | | 90° | 180° | |
| | | | | | Flange option | s | G/F/LF/RF | G/F/LF | |
| | | | | | | IEC / UL | IEC: 320 V/15 A UL: 300 V/10 A | IEC: 320 V/15 A UL: 300 V/10 A | |
| | Clamping yoke | | BL | 180° | (G)/F/LH/LR | IEC: 320 V/17 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 14 | 0 | \circ | |
| | | and a | BL | 90° | (G)/F | IEC: 320 V/12 A/0.2 - 1.5 mm ² UL: 300 V/8 A/AWG 28 - 14 | 0 | 0 | |
| Female plug | | BL | 270° | (G)/F | IEC: 320 V/12 A/0.2 - 1.5 mm ² UL: 300 V/8 A/AWG 28 - 14 | 0 | \bigcirc | | |
| Femal | PUSH IN | | BLF | 180° | (G)/F/LH/LR | IEC: 320 V/14.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 26 - 14 | 0 | \bigcirc | |
| | Spring | BL-I/O 10 Pole | 180° | F/LR/FP | IEC: 200 V/2.2 A/0.2 - 1.0 mm ² UL: ≤ 200 V/5 A/AWG 22 - 16 | 0 | \circ | | |
| | PUSH IN | | BL-I/O 30 Pole | 180° | F/LR/FP | IEC: 200 V/2.2 A/0.2 - 1.0 mm ² UL: ≤ 200 V/5 A/AWG 22 - 16 | 0 | \circ | |
| Female header | Solder con. | mini | BLL | 180° | (G) | IEC: 320 V/15.1 A UL: 300 V/10 A | • | • | |

Female plug:

- (G)*= Closed (without flange)
- F = Screw flange with screw
- LH = Release lever
- LR = Lock & Release lever
- FP = shifted flange

Male header:

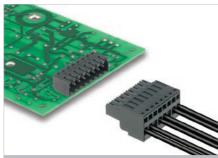
- **(0)***= open
- **G** = Closed (without flange)
- F = Flange with nut
- LF = Solder flange with nut
- ${f RF} = {f Locking} \ {\sf flange} \ {\sf for} \ {\sf LR} \ {\sf with} \ {\sf solder} \ {\sf pin}$

Weidmüller 🐔 2977770000

^{*} not included in the article description

2977770000 **Weidmüller № 1.29**

SL-SMT 3.50/../90



High-temperature-resistant, angled, male header for all common soldering methods in 3.5 mm pitch.

- Optimised for SMT processing.
- 3.2 mm older pin suitable for reflow and wave
- The Male headers provide space for labelling and can
- Available in closed (G) version and with solder flange (LF).
- · Packed either in box (BX) or on tape-on-reel (RL).

Product data

IEC: 320 V / 15 A UL: 300 V / 10 A



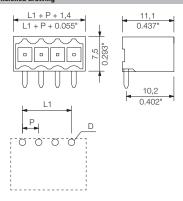
For additional articles and information, refer to eshop.weidmueller.com

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 3.50/../90G Box







Technical data

| lecillical uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octag | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|----------------|------------------------|------------|
| | BL SL 3.5 KO OR | 1693430000 |
| $ \bullet $ | BL SL 3.5 KO SW | 1610100000 |
| | | |
| Interlock | | |
| | BL/SL 3.50 VR OR BX | 1669310000 |
| | BL/SL 3.50 VR BK BX | 1669300000 |
| | | |
| LED light guid | le | |
| | SL 3.5 FLA 1.5/8 | 1597510000 |
| | SL 3.5 FLA 2.3/8 | 1597520000 |
| m | SL 3.5 FLA 4.0/8 | 1597530000 |
| A PART | SL 3.5 FLA 1.5/1.75/8 | 1597630000 |
| | SL 3.5 FLA 2.3/1.75/8 | 1597640000 |
| | SL 3.5 FLA 4.0/1.75/8 | 1597650000 |
| Mounting scr | ew | |
| 00- | PTSC KA 2.2X4.5 WN1412 | 1610740000 |
| | | |
| | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1841630000 |
| 3 | 7.00 | 0.276 | 100 | 1841640000 |
| 4 | 10.50 | 0.413 | 100 | 1841650000 |
| 5 | 14.00 | 0.551 | 50 | 1841660000 |
| 6 | 17.50 | 0.689 | 50 | 1841670000 |
| 7 | 21.00 | 0.827 | 50 | 1841680000 |
| 8 | 24.50 | 0.965 | 50 | 1841690000 |
| 9 | 28.00 | 1.102 | 50 | 1841700000 |
| 10 | 31.50 | 1.240 | 50 | 1841710000 |
| 11 | 35.00 | 1.378 | 50 | 1841720000 |
| 12 | 38.50 | 1.516 | 50 | 1841730000 |
| | | | | |



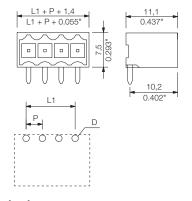
SL-SMT 3.50/../90G Tape

closed side; tape-on-reel





Dimensioned drawing



Ordering data

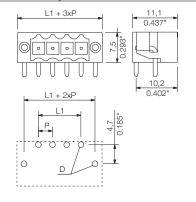
| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 385 | 1761544002 |
| 3 | 7.00 | 0.276 | 385 | 1761554002 |
| 4 | 10.50 | 0.413 | 385 | 1761564001 |
| 5 | 14.00 | 0.551 | 385 | 1761574002 |
| 6 | 17.50 | 0.689 | 385 | 1761584001 |
| 7 | 21.00 | 0.827 | 385 | 1761594001 |
| 8 | 24.50 | 0.965 | 385 | 1761604001 |
| 9 | 28.00 | 1.102 | 385 | 1761614001 |
| 10 | 31.50 | 1.240 | 385 | 1761624001 |
| 11 | 35.00 | 1.378 | 385 | 1761634001 |
| | | | | |

SL-SMT 3.50/../90LF Box





Dimensioned drawin



Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1841860000 |
| 3 | 7.00 | 0.276 | 102 | 1841870000 |
| 4 | 10.50 | 0.413 | 84 | 1841880000 |
| 5 | 14.00 | 0.551 | 72 | 1841890000 |
| 6 | 17.50 | 0.689 | 66 | 1841900000 |
| 7 | 21.00 | 0.827 | 54 | 1841910000 |
| 8 | 24.50 | 0.965 | 48 | 1841920000 |
| 9 | 28.00 | 1.102 | 48 | 1841930000 |
| 10 | 31.50 | 1.240 | 42 | 1841940000 |
| 11 | 35.00 | 1.378 | 36 | 1841950000 |
| 12 | 38.50 | 1.516 | 36 | 1804340000 |

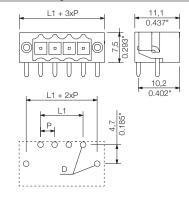
SL-SMT 3.50/../90LF Tape

with solder flange; tape-on-reel





Dimensioned drawin



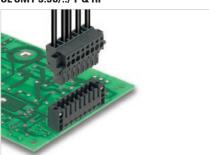
Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 1.5 mm |
| Colour | | | | black |
| Pitch | 3.50 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 385 | 1805310000 |
| 3 | 7.00 | 0.276 | 385 | 1805320000 |
| 4 | 10.50 | 0.413 | 385 | 1805330000 |
| 5 | 14.00 | 0.551 | 385 | 1805340000 |
| 6 | 17.50 | 0.689 | 385 | 1805350000 |
| 7 | 21.00 | 0.827 | 385 | 1805360000 |
| 8 | 24.50 | 0.965 | 385 | 1805370000 |
| 9 | 28.00 | 1.102 | 385 | 1805380000 |
| 10 | 31.50 | 1.240 | 385 | 1005180000 |
| | | | | |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

SL-SMT 3.50/../ F & RF



High-temperature-resistant, straight and angled, male header for all common soldering methods in 3.5 mm pitch.

- Optimised for the SMT processing.
- 3.2 mm solder pin suitable for reflow and wave
- · Available with screw flange (F) and with solder flange for lock and release lever (RF).

Product data

IEC: 320 V / 15 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For additional mechanical support for male connectors with screw flange (...F), we recommend an additional cable gland with fastening screws (sheet metal screw ISO 1481-ST 2.2x4.5 C or ISO 7049-ST $2.2x4.5\ \mbox{C}$ - see Accessories). Cable gland only permitted before soldering.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

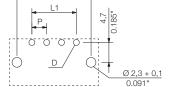
SL-SMT 3.50/../90F Box

with screw flange





11,1 10,2



Technical data

| iccillical uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ŀ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|--------------------------------------------------------------------|-----------------------|------------|--|
| Coding | | Order No. | |
| | BL SL 3.5 KO OR | 1693430000 | |
| \rightleftharpoons | BL SL 3.5 KO SW | 1610100000 | |
| | | | |
| Interlock | | | |
| A 44 | BL/SL 3.50 VR OR BX | 1669310000 | |
| | BL/SL 3.50 VR BK BX | 1669300000 | |
| | | | |
| LED light guide | | | |
| | SL 3.5 FLA 1.5/8 | 1597510000 | |
| | SL 3.5 FLA 2.3/8 | 1597520000 | |
| 110 | SL 3.5 FLA 4.0/8 | 1597530000 | |
| | SL 3.5 FLA 1.5/1.75/8 | 1597630000 | |
| | SL 3.5 FLA 2.3/1.75/8 | 1597640000 | |
| | SL 3.5 FLA 4.0/1.75/8 | 1597650000 | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1842080000 |
| 3 | 7.00 | 0.276 | 102 | 1842090000 |
| 4 | 10.50 | 0.413 | 84 | 1842100000 |
| 5 | 14.00 | 0.551 | 72 | 1842110000 |
| 6 | 17.50 | 0.689 | 66 | 1842120000 |
| 7 | 21.00 | 0.827 | 54 | 1842130000 |
| 8 | 24.50 | 0.965 | 48 | 1842140000 |
| 9 | 28.00 | 1.102 | 48 | 1842150000 |
| 10 | 31.50 | 1.240 | 42 | 1842160000 |
| 11 | 35.00 | 1.378 | 36 | 1842170000 |
| 12 | 38.50 | 1.516 | 36 | 1842180000 |
| | | | | |



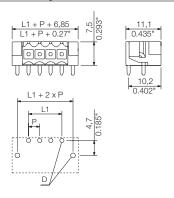
SL-SMT 3.50/../90RF Box

with snap-on solder flange





Dimensioned drawing



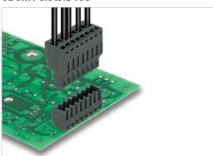
Ordering data

| Oraciniy aata | | | | | | |
|---------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| ı length | | | 1.5 mm | | | |
| | | | black | | | |
| 3.50 mn | n | | | | | |
| L1 | (inch) | Qty. | Order No. | | | |
| 3.50 | 0.138 | 100 | 1379610000 | | | |
| 7.00 | 0.276 | 100 | 1060810000 | | | |
| 10.50 | 0.413 | 100 | 1000600000 | | | |
| 14.00 | 0.551 | 50 | 1000610000 | | | |
| 17.50 | 0.689 | 50 | 1000620000 | | | |
| 21.00 | 0.827 | 50 | 1000630000 | | | |
| 24.50 | 0.965 | 50 | 1000640000 | | | |
| 28.00 | 1.102 | 50 | 1000650000 | | | |
| 31.50 | 1.240 | 50 | 1060780000 | | | |
| 35.00 | 1.378 | 50 | 1000660000 | | | |
| 38.50 | 1.516 | 50 | 1000670000 | | | |
| | 3.50 mn L1 3.50 7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 3.50 mm L1 (inch) 3.50 0.138 7.00 0.276 10.50 0.413 14.00 0.551 17.50 0.689 21.00 0.827 24.50 0.965 28.00 1.102 31.50 1.240 35.00 1.378 | 3.50 mm L1 (inch) Qty. 3.50 0.138 100 7.00 0.276 100 10.50 0.413 100 14.00 0.551 50 17.50 0.689 50 21.00 0.827 50 24.50 0.985 50 28.00 1.102 50 31.50 1.240 50 35.00 1.378 50 | | | |

Compatible with release latch (LR)

2977770000 **Weidmüller** ₹ 1.33

SL-SMT 3.50/../180



High-temperature-resistant, straight (180°) male header for all common soldering methods in 3.50 mm pitch. Optimised for the SMT process. Packed in box or tape. Pin length 1.5 mm optimised for reflow soldering methods. Pin length 3.2 mm universal for all soldering methods. The male connectors provide space for labelling and can be coded.

Product data

IEC: 320 V / 15 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

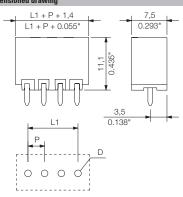
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL SMT 3.50/../180G Box

closed side







Technical data

| lechnical data | | | | |
|-------------------------------|---------------|------|----------|------|
| In compliance with IEC 60664- | 1 / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | - 1 | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2, | Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|--------------------------------------------------------------------|---------------------|------------|--|
| Coding | | Order No. | |
| | BL SL 3.5 KO OR | 1693430000 | |
| | BL SL 3.5 KO SW | 1610100000 | |
| | | | |
| Interlock | | | |
| 70.00 | BL/SL 3.50 VR OR BX | 1669310000 | |
| | BL/SL 3.50 VR BK BX | 1669300000 | |
| | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1842320000 |
| 3 | 7.00 | 0.276 | 100 | 1842330000 |
| 4 | 10.50 | 0.413 | 100 | 1842340000 |
| 5 | 14.00 | 0.551 | 50 | 1842350000 |
| 6 | 17.50 | 0.689 | 50 | 1842360000 |
| 7 | 21.00 | 0.827 | 50 | 1842370000 |
| 8 | 24.50 | 0.965 | 50 | 1842380000 |
| 9 | 28.00 | 1.102 | 50 | 1842390000 |
| 10 | 31.50 | 1.240 | 50 | 1836990000 |
| 11 | 35.00 | 1.378 | 50 | 1842400000 |
| 12 | 38.50 | 1.516 | 50 | 1842410000 |

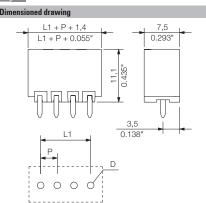


SL SMT 3.50/../180G Tape

closed side; tape-on-reel







Ordering data

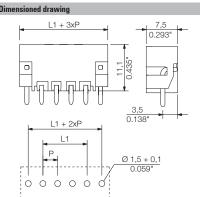
| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 265 | 1752984002 |
| 3 | 7.00 | 0.276 | 265 | 1752994002 |
| 4 | 10.50 | 0.413 | 265 | 1753004002 |
| 5 | 14.00 | 0.551 | 265 | 1753014002 |
| 6 | 17.50 | 0.689 | 265 | 1753024001 |
| 7 | 21.00 | 0.827 | 265 | 1753034001 |
| 8 | 24.50 | 0.965 | 265 | 1753044001 |
| 9 | 28.00 | 1.102 | 265 | 1753054001 |
| 10 | 31.50 | 1.240 | 265 | 1753064001 |
| 11 | 35.00 | 1.378 | 265 | 1753074001 |

SL SMT 3.50/../180LF Box

with solder flange







Ordering data

| Solder pir | ı length | | | 3.2 mm |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1842540000 |
| 3 | 7.00 | 0.276 | 102 | 1842550000 |
| 4 | 10.50 | 0.413 | 84 | 1842560000 |
| 5 | 14.00 | 0.551 | 72 | 1842570000 |
| 6 | 17.50 | 0.689 | 66 | 1842580000 |
| 7 | 21.00 | 0.827 | 54 | 1842590000 |
| 8 | 24.50 | 0.965 | 48 | 1842600000 |
| 9 | 28.00 | 1.102 | 48 | 1842610000 |
| 10 | 31.50 | 1.240 | 42 | 1842620000 |
| 11 | 35.00 | 1.378 | 36 | 1842630000 |
| 12 | 38.50 | 1.516 | 36 | 1842640000 |

SL SMT 3.50/../180LF Tape

with solder flange; tape-on-reel





| imensioned drawing | |
|--------------------|----------------------------------------|
| L1 + 3xP | 7,5 |
| L1 + 2xP L1 P | 3,5 0.138" Ø 1,5 + 0,1 0.059* |

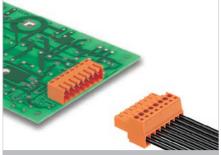
Ordering data

| Orucinig | juutu | | | |
|------------|---------|--------|------|------------|
| Solder pin | | 1.5 mm | | |
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 265 | 1805210000 |
| 3 | 7.00 | 0.276 | 265 | 1805230000 |
| 4 | 10.50 | 0.413 | 265 | 1805240000 |
| 5 | 14.00 | 0.551 | 265 | 1805250000 |
| 6 | 17.50 | 0.689 | 265 | 1805270000 |
| 7 | 21.00 | 0.827 | 265 | 1805280000 |
| 8 | 24.50 | 0.965 | 265 | 1805290000 |
| 9 | 28.00 | 1.102 | 265 | 1805300000 |
| 10 | 31.50 | 1.240 | 265 | 1936340000 |
| | | | | |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

SL 3.50/../90



Angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Product data

IEC: 320 V / 17 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

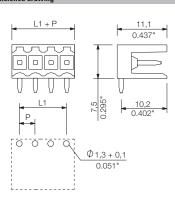
 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL 3.50/../90

open side







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17 | | 14.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octag | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Hefer to the | Accessories chapter for additional access | sories. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------|
| Coding | | Order No. |
| | BL SL 3.5 KO OR | 1693430000 |
| $ \mathbf{E}$ | BL SL 3.5 KO SW | 1610100000 |
| | | |
| Interlock | | |
| | BL/SL 3.50 VR OR BX | 1669310000 |
| | BL/SL 3.50 VR BK BX | 1669300000 |
| | | |
| LED light guide | | |
| | SL 3.5 FLA 1.5/8 | 1597510000 |
| | SL 3.5 FLA 2.3/8 | 1597520000 |
| m | SL 3.5 FLA 4.0/8 | 1597530000 |
| THE STATE OF THE S | SL 3.5 FLA 1.5/1.75/8 | 1597630000 |
| | SL 3.5 FLA 2.3/1.75/8 | 1597640000 |
| | SL 3.5 FLA 4.0/1.75/8 | 1597650000 |
| Mounting screv | V | |
| 00- | PTSC KA 2.2X4.5 WN1412 | 1610740000 |
| | | |
| | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1597210000 |
| 3 | 7.00 | 0.276 | 100 | 1597220000 |
| 4 | 10.50 | 0.413 | 100 | 1597230000 |
| 5 | 14.00 | 0.551 | 50 | 1597240000 |
| 6 | 17.50 | 0.689 | 50 | 1597250000 |
| 7 | 21.00 | 0.827 | 50 | 1597260000 |
| 8 | 24.50 | 0.965 | 50 | 1597270000 |
| 9 | 28.00 | 1.102 | 50 | 1597280000 |
| 10 | 31.50 | 1.240 | 50 | 1597290000 |
| 11 | 35.00 | 1.378 | 50 | 1597300000 |
| 12 | 38.50 | 1.516 | 50 | 1597310000 |
| | | | | |

SL 3.50/../90G

closed side

SL 3.50/../90F

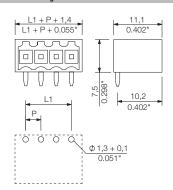
with screw flange





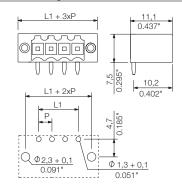


Dimensioned drawing





Dimensioned drawin



Ordering data

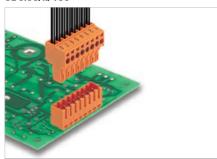
| Ordorning | uutu | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1605070000 |
| 3 | 7.00 | 0.276 | 100 | 1605080000 |
| 4 | 10.50 | 0.413 | 100 | 1605090000 |
| 5 | 14.00 | 0.551 | 50 | 1605100000 |
| 6 | 17.50 | 0.689 | 50 | 1605110000 |
| 7 | 21.00 | 0.827 | 50 | 1605120000 |
| 8 | 24.50 | 0.965 | 50 | 1605130000 |
| 9 | 28.00 | 1.102 | 50 | 1605140000 |
| 10 | 31.50 | 1.240 | 50 | 1605150000 |
| 11 | 35.00 | 1.378 | 50 | 1605160000 |
| 12 | 38.50 | 1.516 | 50 | 1605170000 |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1607040000 |
| 3 | 7.00 | 0.276 | 100 | 1607050000 |
| 4 | 10.50 | 0.413 | 100 | 1607060000 |
| 5 | 14.00 | 0.551 | 50 | 1607070000 |
| 6 | 17.50 | 0.689 | 50 | 1607080000 |
| 7 | 21.00 | 0.827 | 50 | 1607090000 |
| 8 | 24.50 | 0.965 | 50 | 1607100000 |
| 9 | 28.00 | 1.102 | 50 | 1607110000 |
| 10 | 31.50 | 1.240 | 50 | 1607120000 |
| 11 | 35.00 | 1.378 | 50 | 1607130000 |
| 12 | 38.50 | 1.516 | 50 | 1607140000 |

2977770000 **Weidmüller ₹** 1.37

SL 3.50/../180



Straight male header (180° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Product data

IEC: 320 V / 17 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
 In accordance with IEC 61984, OMNIMATE-connectors are
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

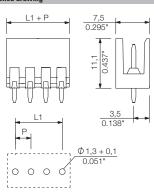
SL 3.50/../180

open side





Nimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17 | | 14.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | - 1 | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2, | Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|--------------|------------------------|------------|
| | BL SL 3.5 KO OR | 1693430000 |
| \bigcirc | BL SL 3.5 KO SW | 1610100000 |
| | | |
| Interlock | | |
| | BL/SL 3.50 VR OR BX | 1669310000 |
| | BL/SL 3.50 VR BK BX | 1669300000 |
| | | |
| Mounting scr | ew | |
| an . | PTSC KA 2.2X4.5 WN1412 | 1610740000 |
| | | |
| | | |

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1604770000 |
| 3 | 7.00 | 0.276 | 100 | 1604780000 |
| 4 | 10.50 | 0.413 | 100 | 1604790000 |
| 5 | 14.00 | 0.551 | 50 | 1604800000 |
| 6 | 17.50 | 0.689 | 50 | 1604810000 |
| 7 | 21.00 | 0.827 | 50 | 1604820000 |
| 8 | 24.50 | 0.965 | 50 | 1604830000 |
| 9 | 28.00 | 1.102 | 50 | 1604840000 |
| 10 | 31.50 | 1.240 | 50 | 1604850000 |
| 11 | 35.00 | 1.378 | 50 | 1604860000 |
| 12 | 38.50 | 1.516 | 50 | 1604870000 |

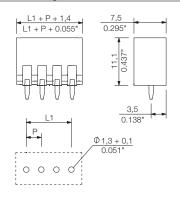


SL 3.50/../180G

closed side







Ordering data

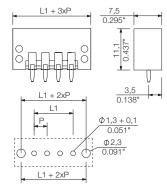
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1604470000 |
| 3 | 7.00 | 0.276 | 100 | 1604480000 |
| 4 | 10.50 | 0.413 | 100 | 1604490000 |
| 5 | 14.00 | 0.551 | 50 | 1604500000 |
| 6 | 17.50 | 0.689 | 50 | 1604510000 |
| 7 | 21.00 | 0.827 | 50 | 1604520000 |
| 8 | 24.50 | 0.965 | 50 | 1604530000 |
| 9 | 28.00 | 1.102 | 50 | 1604540000 |
| 10 | 31.50 | 1.240 | 50 | 1604550000 |
| 11 | 35.00 | 1.378 | 50 | 1604560000 |
| 12 | 38.50 | 1.516 | 50 | 1604570000 |

SL 3.50/../180F

with screw flange





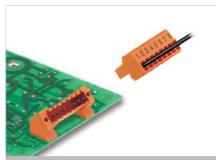


Ordering data

| | • | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 100 | 1607500000 |
| 3 | 7.00 | 0.276 | 100 | 1607510000 |
| 4 | 10.50 | 0.413 | 100 | 1607520000 |
| 5 | 14.00 | 0.551 | 50 | 1607530000 |
| 6 | 17.50 | 0.689 | 50 | 1607540000 |
| 7 | 21.00 | 0.827 | 50 | 1607550000 |
| 8 | 24.50 | 0.965 | 50 | 1607560000 |
| 9 | 28.00 | 1.102 | 50 | 1607570000 |
| 10 | 31.50 | 1.240 | 50 | 1607580000 |
| 11 | 35.00 | 1.378 | 50 | 1607590000 |
| 12 | 38.50 | 1.516 | 50 | 1607600000 |

Weidmüller ₹ 1.39 2977770000

SL 3.50/../135



Angled male header (135° orientation) for wave soldering in 3.5 mm pitch. The male header is available in closed (G) and flange (F) versions.

Product data

IEC: 320 V / 15 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For additional mechanical support for male connectors with screw flange (...F), we recommend an additional cable gland with fastening screws (sheet metal screw ISO 1481-ST 2.2x4.5 C or ISO 7049-ST 2.2x4.5 C – see Accessories). Cable gland only permitted before soldering.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

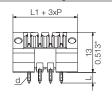
SL 3.50/../135F

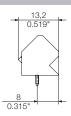
with screw flange





Dimensioned drawin







Technical data

| lechnical data | | | | |
|-------------------------------|---------------|------|----------|------|
| In compliance with IEC 60664- | 1 / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | - 1 | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2, | Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------|---------------------|------------|--|--|
| Coding | | Order No. | | |
| | BL SL 3.5 KO OR | 1693430000 | | |
| \Longrightarrow | BL SL 3.5 KO SW | 1610100000 | | |
| | | | | |
| Interlock | | | | |
| | BL/SL 3.50 VR OR BX | 1669310000 | | |
| | BL/SL 3.50 VR BK BX | 1669300000 | | |
| - | | | | |

Ordering data

| Solder pi | in length | | | 3.2 mm |
|-----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1643330000 |
| 3 | 7.00 | 0.276 | 102 | 1643340000 |
| 4 | 10.50 | 0.413 | 84 | 1643350000 |
| 5 | 14.00 | 0.551 | 72 | 1643360000 |
| 6 | 17.50 | 0.689 | 66 | 1643370000 |
| 7 | 21.00 | 0.827 | 54 | 1643380000 |
| 8 | 24.50 | 0.965 | 48 | 1643390000 |
| 9 | 28.00 | 1.102 | 48 | 1643400000 |
| 10 | 31.50 | 1.240 | 42 | 1643410000 |
| 11 | 35.00 | 1.378 | 36 | 1643420000 |
| 12 | 38.50 | 1.516 | 36 | 1643430000 |
| | | | | |

°... 3.50

SL-THR 3.50/../135



High-temperature-resistant, 135° angled, male header for all common soldering methods in 3.5 mm pitch. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

Product data

IEC: 320 V / 15 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

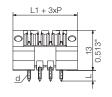
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

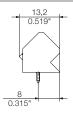
SL-THR 3.50/../135F

with screw flange











Technical data

| | / IEO 0400 / | | | |
|--------------------------------|--------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | ll l |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | - | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2, | , Octago | onal |
| Solder eyelet \emptyset = D | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------|---------------------|------------|--|--|
| Coding | | Order No. | | |
| | BL SL 3.5 KO OR | 1693430000 | | |
| | BL SL 3.5 KO SW | 1610100000 | | |
| | | | | |
| Interlock | | | | |
| | BL/SL 3.50 VR OR BX | 1669310000 | | |
| | BL/SL 3.50 VR BK BX | 1669300000 | | |
| - | | | | |

Ordering data

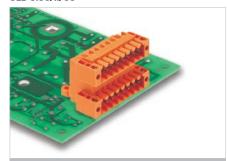
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1003510000 |
| 3 | 7.00 | 0.276 | 102 | 1003520000 |
| 4 | 10.50 | 0.413 | 84 | 1003530000 |
| 5 | 14.00 | 0.551 | 72 | 1003540000 |
| 6 | 17.50 | 0.689 | 66 | 1003550000 |
| 7 | 21.00 | 0.827 | 54 | 1003560000 |
| 8 | 24.50 | 0.965 | 48 | 1003570000 |
| 9 | 28.00 | 1.102 | 48 | 1003580000 |
| 10 | 31.50 | 1.240 | 42 | 1003590000 |
| 11 | 35.00 | 1.378 | 36 | 1003600000 |
| 12 | 38.50 | 1.516 | 36 | 1003620000 |





Weidmüller ₹ 1.41 2977770000

SLD 3.50/../90



Double-level, angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions.

Product data

IEC: 200 V / 10.5 A UL: 300 V / 8 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

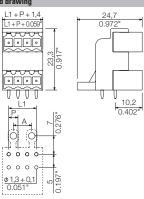
 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 3.50/../90G

closed side







Technical data

| In compliance with IEC 60664-1 | / IFC 61984 | l | | |
|--------------------------------|---------------|------|----------|------|
| Clamping range, max. | , 120 0 100 1 | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 10.5 | | 9 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 125 | 160 | 200 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 8 | | 8 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 8 | | 8 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | - 1 | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2, | Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Coding | | Order No. | | | |
| \odot | BL SL 3.5 KO OR | 1693430000 | | | |
| | BL SL 3.5 KO SW | 1610100000 | | | |
| | | | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 50 | 1633580000 |
| 6 | 7.00 | 0.276 | 50 | 1633590000 |
| 8 | 10.50 | 0.413 | 50 | 1633600000 |
| 10 | 14.00 | 0.551 | 50 | 1633610000 |
| 12 | 17.50 | 0.689 | 50 | 1633620000 |
| 14 | 21.00 | 0.827 | 20 | 1633630000 |
| 16 | 24.50 | 0.965 | 20 | 1633640000 |
| 18 | 28.00 | 1.102 | 20 | 1633650000 |
| 20 | 31.50 | 1.240 | 20 | 1633660000 |
| 22 | 35.00 | 1.378 | 10 | 1633670000 |
| 24 | 38.50 | 1.516 | 10 | 1633680000 |
| | | | | |

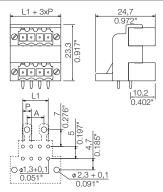
SLD 3.50/../90F

with screw flange





Dimensioned drawing

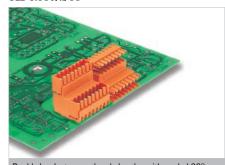


Ordering data

| y uata | | | |
|----------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ı length | | | 3.2 mm |
| | | | orange |
| 3.50 mr | n | | |
| L1 | (inch) | Qty. | Order No. |
| 3.50 | 0.138 | 50 | 1633810000 |
| 7.00 | 0.276 | 50 | 1633820000 |
| 10.50 | 0.413 | 50 | 1633830000 |
| 14.00 | 0.551 | 50 | 1633840000 |
| 17.50 | 0.689 | 50 | 1633850000 |
| 21.00 | 0.827 | 20 | 1633860000 |
| 24.50 | 0.965 | 20 | 1633870000 |
| 28.00 | 1.102 | 20 | 1633880000 |
| 31.50 | 1.240 | 20 | 1633890000 |
| 35.00 | 1.378 | 10 | 1633900000 |
| 38.50 | 1.516 | 10 | 1633910000 |
| | 3.50 mr L1 3.50 7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 3.50 mm L1 (inch) 3.50 0.138 7.00 0.276 10.50 0.413 14.00 0.551 17.50 0.689 21.00 0.827 24.50 0.965 28.00 1.102 31.50 1.240 35.00 1.378 | 3.50 mm L1 (inch) Qty. 3.50 0.138 50 7.00 0.276 50 10.50 0.413 50 14.00 0.551 50 17.50 0.689 50 21.00 0.827 20 24.50 0.965 20 28.00 1.102 20 31.50 1.240 20 35.00 1.378 10 |

2977770000 **Weidmüller № 1.43**

SLD 3.50V/../90



Double-level, staggered male header with angled 90° wire outlet for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions.

Product data

IEC: 200 V / 10.5 A UL: 300 V / 8 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

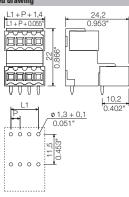
 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 3.50V/../90G

closed side







Technical data

| i ooniniour uutu | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 10.5 | | 9 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 125 | 160 | 200 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 8 | | 8 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 8 | | 8 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| | BL SL 3.5 KO OR | 1693430000 | | |
| $ \longrightarrow $ | BL SL 3.5 KO SW | 1610100000 | | |
| | | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 50 | 1642240000 |
| 6 | 7.00 | 0.276 | 50 | 1890600000 |
| 8 | 10.50 | 0.413 | 50 | 1642250000 |
| 10 | 14.00 | 0.551 | 50 | 1866770000 |
| 12 | 17.50 | 0.689 | 50 | 1642260000 |
| 14 | 21.00 | 0.827 | 20 | 1890610000 |
| 16 | 24.50 | 0.965 | 20 | 1642270000 |
| 18 | 28.00 | 1.102 | 20 | 1890620000 |
| 20 | 31.50 | 1.240 | 20 | 1642280000 |
| 22 | 35.00 | 1.378 | 10 | 1669650000 |
| 24 | 38.50 | 1.516 | 10 | 1642290000 |

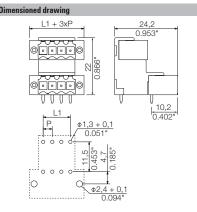


SLD 3.50V/../90F

with screw flange





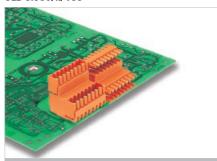


Ordering data

| oraering | uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | | 3.2 mm | | |
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 50 | 1642370000 |
| 6 | 7.00 | 0.276 | 50 | 1890790000 |
| 8 | 10.50 | 0.413 | 50 | 1642380000 |
| 10 | 14.00 | 0.551 | 50 | 1890800000 |
| 12 | 17.50 | 0.689 | 50 | 1642390000 |
| 14 | 21.00 | 0.827 | 20 | 1890810000 |
| 16 | 24.50 | 0.965 | 20 | 1642400000 |
| 18 | 28.00 | 1.102 | 20 | 1890820000 |
| 20 | 31.50 | 1.240 | 20 | 1642410000 |
| 22 | 35.00 | 1.378 | 10 | 1669660000 |
| 24 | 38.50 | 1.516 | 10 | 1642420000 |
| | | | | |

2977770000 **Weidmüller** ₹ 1.45

SLD 3.50V/../180



Double-level, staggered male header with straight 180° wire outlet for wave soldering in 3.5 mm pitch. The male header is available in closed (G) and flange (F) versions.

Product data

IEC: 200 V / 10.5 A UL: 300 V / 8 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

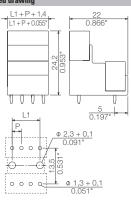
 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 3.50V/../180G

closed side







Technical data

| lechnical data | | | | |
|-------------------------------|---------------|------|----------|------|
| In compliance with IEC 60664- | 1 / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 10.5 | | 9 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 125 | 160 | 200 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 8 | | 8 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 8 | | 8 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | (| Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2, | Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| | BL SL 3.5 KO OR | 1693430000 | | |
| \bigcirc | BL SL 3.5 KO SW | 1610100000 | | |
| | | | | |

Ordering data

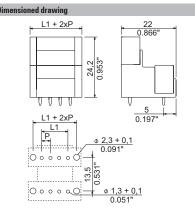
| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.50 | 0.138 | 50 | 1641110000 |
| 6 | 7.00 | 0.276 | 50 | 1891190000 |
| 8 | 10.50 | 0.413 | 50 | 1641120000 |
| 10 | 14.00 | 0.551 | 50 | 1891200000 |
| 12 | 17.50 | 0.689 | 50 | 1641130000 |
| 16 | 24.50 | 0.965 | 20 | 1641140000 |
| 20 | 31.50 | 1.240 | 20 | 1641150000 |
| 24 | 38.50 | 1.516 | 10 | 1641160000 |

SLD 3.50V/../180F

with screw flange





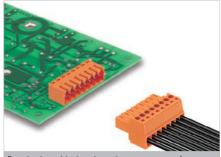


Ordering data

| y uata | | | |
|----------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ı length | | | 3.2 mm |
| | | | orange |
| 3.50 mn | n | | |
| L1 | (inch) | Qty. | Order No. |
| 3.50 | 0.138 | 50 | 1641240000 |
| 7.00 | 0.276 | 50 | 1891060000 |
| 10.50 | 0.413 | 50 | 1641250000 |
| 14.00 | 0.551 | 50 | 1891070000 |
| 17.50 | 0.689 | 50 | 1641260000 |
| 21.00 | 0.827 | 20 | 1891080000 |
| 24.50 | 0.965 | 20 | 1641270000 |
| 28.00 | 1.102 | 20 | 1891090000 |
| 31.50 | 1.240 | 20 | 1641280000 |
| 35.00 | 1.378 | 20 | 1891100000 |
| 38.50 | 1.516 | 10 | 1641290000 |
| | 3.50 mn L1 3.50 7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 3.50 mm L1 (inch) 3.50 0.138 7.00 0.276 10.50 0.413 14.00 0.551 17.50 0.689 21.00 0.827 24.50 0.965 28.00 1.102 31.50 1.240 35.00 1.378 | 3.50 mm L1 (inch) Qty. 3.50 0.138 50 7.00 0.276 50 10.50 0.413 50 14.00 0.551 50 17.50 0.689 50 21.00 0.827 20 24.50 0.965 20 28.00 1.102 20 31.50 1.240 20 35.00 1.378 20 |

2977770000 **Weidmüller** ₹ 1.47

BL 3.50/../180



Female plug with clamping-yoke screw system for connecting wires with straight outlet direction in 3.5 mm pitch. Available with a screw flange (F), release lever (LH) or lock and release lever (LR). They include space for labelling and can be coded.

Product data

IEC: 320 V / 17 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 14



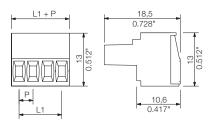
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live $% \left(\mathbf{r}\right) =\left(\mathbf{r}\right)$ or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BL 3.50/../180







Technical data

| lechnical data | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | (| 0.081. | 5 |
| Solid core H05(07) V-U | mm ² | | 0.21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | 5 |
| Flexible with ferrule | mm ² | | 0.21.5 | 5 |
| Ferrule with plastic collar | mm ² | | 0.21.5 | 5 |
| Stripping length | mm | | 6 | |
| Screwdriver blade | mm | | 0.4 x 2. | 5 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17 | | 14.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| | | | | |

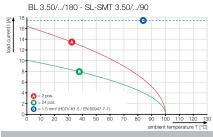
Accessories

| 10003301103 | | |
|-----------------------|-----------------------------------------|------------|
| Note: Refer to the Ac | cessories chapter for additional access | sories. |
| Coding | | Order No. |
| | BL SL 3.5 KO OR | 1693430000 |
| = | BL SL 3.5 KO SW | 1610100000 |
| | | |
| Hood | | |
| | BL 3.50 AH03 BK BX | 1745580000 |
| | BL 3.50 AH04 BK BX | 1745590000 |
| _ | BL 3.50 AH05 BK BX | 1745600000 |
| _ | BL 3.50 AH06 BK BX | 1745610000 |
| _ | BL 3.50 AH07 BK BX | 1745620000 |
| _ | BL 3.50 AH08 BK BX | 1745630000 |
| _ | BL 3.50 AH09 BK BX | 1745640000 |
| | BL 3.50 AH10 BK BX | 1745650000 |
| _ | BL 3.50 AH11 BK BX | 1745660000 |
| _ | BL 3.50 AH12 BK BX | 1745670000 |
| _ | BL 3.50 AH13 BK BX | 1745680000 |
| _ | BL 3.50 AH14 BK BX | 1745690000 |
| _ | BL 3.50 AH15 BK BX | 1745700000 |
| | BL 3.50 AH16 BK BX | 1745710000 |
| Strain relief | | |
| PERMITS. | BL 3.50 ZE03 OR BX | 1629680000 |
| | BL 3.50 ZE03 BK BX | 1627820000 |
| - | BL 3.50 ZE08 OR BX | 1629690000 |
| nterlock | | |
| TO Make | BL/SL 3.50 VR OR BX | 1669310000 |
| ** | BL/SL 3.50 VR BK BX | 1669300000 |
| - | | |
| Screwdriver | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 |
| | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |
| | | |

Ordering data

| Solder pin Colour | 9 | | | |
|----------------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 264 | 1597360000 |
| 3 | 7.00 | 0.276 | 174 | 1597370000 |
| 4 | 10.50 | 0.413 | 132 | 1597380000 |
| 5 | 14.00 | 0.551 | 102 | 1597390000 |
| 6 | 17.50 | 0.689 | 84 | 1597400000 |
| 7 | 21.00 | 0.827 | 72 | 1597410000 |
| 8 | 24.50 | 0.965 | 66 | 1597420000 |
| 9 | 28.00 | 1.102 | 54 | 1597430000 |
| 10 | 31.50 | 1.240 | 48 | 1597440000 |
| 11 | 35.00 | 1.378 | 48 | 1597450000 |
| 12 | 38.50 | 1.516 | 42 | 1597460000 |

Representative deratings curve





Solder eyelet Ø tolerance





BL 3.50/../180F

with screw flange

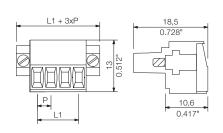


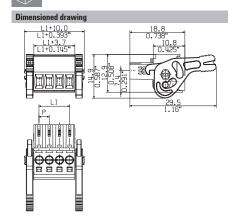


BL 3.50/../180LR



Dimensioned drawing



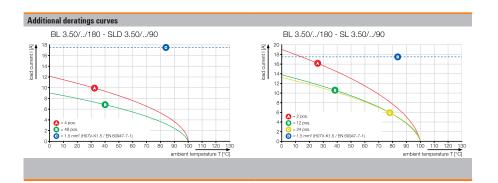


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1606640000 |
| 3 | 7.00 | 0.276 | 102 | 1606650000 |
| 4 | 10.50 | 0.413 | 84 | 1606660000 |
| 5 | 14.00 | 0.551 | 72 | 1606670000 |
| 6 | 17.50 | 0.689 | 66 | 1606680000 |
| 7 | 21.00 | 0.827 | 54 | 1606690000 |
| 8 | 24.50 | 0.965 | 48 | 1606700000 |
| 9 | 28.00 | 1.102 | 48 | 1606710000 |
| 10 | 31.50 | 1.240 | 42 | 1606720000 |
| 11 | 35.00 | 1.378 | 36 | 1606730000 |
| 12 | 38.50 | 1.516 | 36 | 1606740000 |

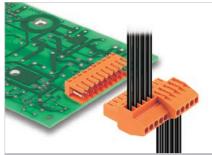
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1530990000 |
| 3 | 7.00 | 0.276 | 102 | 1531000000 |
| 4 | 10.50 | 0.413 | 84 | 1531010000 |
| 5 | 14.00 | 0.551 | 72 | 1531020000 |
| 6 | 17.50 | 0.689 | 66 | 1531030000 |
| 7 | 21.00 | 0.827 | 54 | 1531040000 |
| 8 | 24.50 | 0.965 | 48 | 1531050000 |
| 9 | 28.00 | 1.102 | 48 | 1531070000 |
| 10 | 31.50 | 1.240 | 42 | 1531080000 |
| 11 | 35.00 | 1.378 | 36 | 1531090000 |
| 12 | 38.50 | 1.516 | 36 | 1531100000 |



2977770000 **Weidmüller 3 1.49**

BL 3.50/../90 & 270



Female plug with clamping-yoke screw system for connecting wires with 90° and 270° angled orientation in 3.5 mm pitch. The female plugs are also available with a screw flange (F). They include space for labelling and can be coded.

Product data

IEC: 320 V / 12 A / 0.2 - 1.5 mm² UL: 300 V / 8 A / AWG 28 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note:

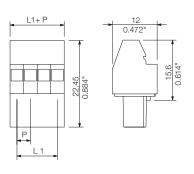
- Additional variants on request
- Gold-plated contact surfaces on request
- Max. outer diameter of the conductor: 2.9 mm
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
 Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BL 3.50/../90





Nimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | (| 0.081. | 5 |
| Solid core H05(07) V-U | mm² | | 0.21.5 | , |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | |
| Flexible with ferrule | mm ² | | 0.21.5 | |
| Ferrule with plastic collar | mm ² | | 0.21.5 | |
| Stripping length | mm | | 6 | |
| Screwdriver blade | mm | | 0.4 x 2.5 | 5 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 12 | | 10 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | mm ² | | 1.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 8 | | 8 |
| AWG conductor | AWG | | 28-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-14 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| 0 1: | | 0 I N |
|----------------|-----------------|------------|
| Coding | | Order No. |
| | BL SL 3.5 KO OR | 1693430000 |
| $ \mathbf{E} $ | BL SL 3.5 KO SW | 1610100000 |
| _ | | |
| Screwdriver | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 |
| - | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Solder pin | Solder pin length | | | | |
|------------|-------------------|--------|------|------------|--|
| Colour | | | | orange | |
| Pitch | 3.50 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 3.50 | 0.138 | 258 | 1638550000 | |
| 3 | 7.00 | 0.276 | 174 | 1638560000 | |
| 4 | 10.50 | 0.413 | 132 | 1638570000 | |
| 5 | 14.00 | 0.551 | 102 | 1638580000 | |
| 6 | 17.50 | 0.689 | 84 | 1638590000 | |
| 7 | 21.00 | 0.827 | 72 | 1638600000 | |
| 8 | 24.50 | 0.965 | 66 | 1638610000 | |
| 9 | 28.00 | 1.102 | 54 | 1638620000 | |
| 10 | 31.50 | 1.240 | 48 | 1638630000 | |
| 11 | 35.00 | 1.378 | 48 | 1638640000 | |
| 12 | 38.50 | 1.516 | 42 | 1638650000 | |

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Representative deratings curve BL 3.50/../90 & /270 - SL 3.50/../90 SL 3.50/../90 Description of the state of the state

BL 3.50/../90F

with screw flange



BL 3.50/../270F







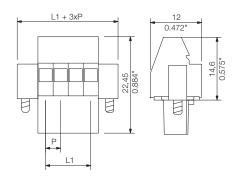


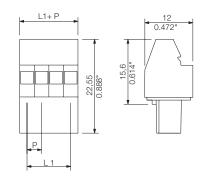
Dimensioned drawing

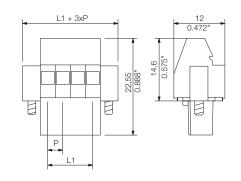


Dimensioned drawing

Dimensioned drawin







Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1639010000 |
| 3 | 7.00 | 0.276 | 108 | 1639020000 |
| 4 | 10.50 | 0.413 | 90 | 1639030000 |
| 5 | 14.00 | 0.551 | 72 | 1639040000 |
| 6 | 17.50 | 0.689 | 66 | 1639050000 |
| 7 | 21.00 | 0.827 | 60 | 1639060000 |
| 8 | 24.50 | 0.965 | 54 | 1639070000 |
| 9 | 28.00 | 1.102 | 48 | 1639080000 |
| 10 | 31.50 | 1.240 | 42 | 1639090000 |
| 11 | 35.00 | 1.378 | 36 | 1639100000 |
| 12 | 38.50 | 1.516 | 36 | 1639110000 |

Ordering data

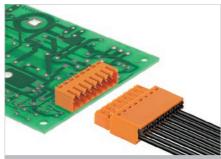
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 258 | 1639470000 |
| 3 | 7.00 | 0.276 | 174 | 1639480000 |
| 4 | 10.50 | 0.413 | 132 | 1639490000 |
| 5 | 14.00 | 0.551 | 102 | 1639500000 |
| 6 | 17.50 | 0.689 | 84 | 1639510000 |
| 7 | 21.00 | 0.827 | 72 | 1639520000 |
| 8 | 24.50 | 0.965 | 66 | 1639530000 |
| 9 | 28.00 | 1.102 | 54 | 1639540000 |
| 10 | 31.50 | 1.240 | 48 | 1639550000 |
| 11 | 35.00 | 1.378 | 48 | 1639560000 |
| 12 | 38.50 | 1.516 | 42 | 1639570000 |

Ordering data

| Solder pir | n length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 1639930000 |
| 3 | 7.00 | 0.276 | 108 | 1639940000 |
| 4 | 10.50 | 0.413 | 90 | 1639950000 |
| 5 | 14.00 | 0.551 | 72 | 1639960000 |
| 6 | 17.50 | 0.689 | 66 | 1639970000 |
| 7 | 21.00 | 0.827 | 60 | 1639980000 |
| 8 | 24.50 | 0.965 | 54 | 1639990000 |
| 9 | 28.00 | 1.102 | 48 | 1640000000 |
| 10 | 31.50 | 1.240 | 42 | 1640010000 |
| 11 | 35.00 | 1.378 | 36 | 1640020000 |
| 12 | 38.50 | 1.516 | 36 | 1640030000 |

2977770000 **Weidmüller** ₹ 1.51

BLF 3.50/../180



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready
- The actuator must be used when connecting stranded wires without ferrules
- Intuitive handling since the wire-entry area and handling area are clearly separated
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm² UL: 300 V / AWG 26 - 16



For additional articles and information, refer to eshop.weidmueller.com

Note

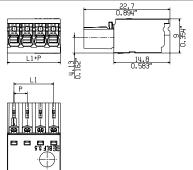
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 3.50/../180





Dimensioned drawing



Technical data Acces

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | (| 0.141. | 5 |
| Solid core H05(07) V-U | mm² | (| 0.141 | .5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | (| D.141. | 5 |
| Flexible with ferrule | mm ² | | 0.251 | |
| Ferrule with plastic collar | mm ² | | 0.251 | |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | 0.4 x 2. | 5 |
| According to norm | | D | IN 5264 | l-A |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.1 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | | | | 10 |
| AWG conductor | AWG | | 26-16 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | | 10 | | 10 |
| AWG conductor | AWG | | 26-16 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

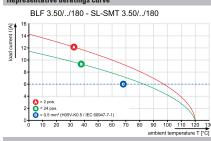
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 264 | 2458950000 |
| 3 | 7.00 | 0.276 | 174 | 2459060000 |
| 4 | 10.50 | 0.413 | 132 | 2459070000 |
| 5 | 14.00 | 0.551 | 102 | 2459080000 |
| 6 | 17.50 | 0.689 | 84 | 2459090000 |
| 7 | 21.00 | 0.827 | 72 | 2459100000 |
| 8 | 24.50 | 0.965 | 66 | 2459110000 |
| 9 | 28.00 | 1.102 | 54 | 2459120000 |
| 10 | 31.50 | 1.240 | 48 | 2459130000 |
| 11 | 35.00 | 1.378 | 48 | 2459140000 |
| 12 | 38.50 | 1.516 | 42 | 2459150000 |
| 16 | 52.50 | 2.067 | 30 | 2459190000 |
| 17 | 56.00 | 2.205 | 30 | 2459200000 |
| 18 | 59.50 | 2.343 | 24 | 2459210000 |
| 19 | 63.00 | 2.480 | 24 | 2459220000 |
| 20 | 66.50 | 2.618 | 24 | 2459230000 |
| 21 | 70.00 | 2.756 | 24 | 2459240000 |
| 22 | 73.50 | 2.894 | 24 | 2459250000 |
| 23 | 77.00 | 3.031 | 18 | 2459260000 |
| 24 | 80.50 | 3.169 | 18 | 2459270000 |

Representative deratings curve



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1.52 Weidmüller € 2977770000

BLF 3.50/../180F

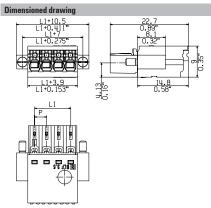
BLF 3.50/../180LR

BLF 3.50/../180QV



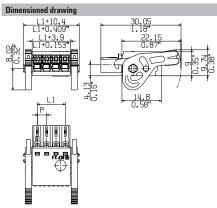






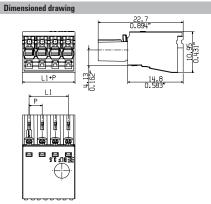












Ordering data

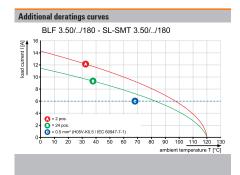
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 2459390000 |
| 3 | 7.00 | 0.276 | 102 | 2459400000 |
| 4 | 10.50 | 0.413 | 84 | 2459410000 |
| 5 | 14.00 | 0.551 | 72 | 2459420000 |
| 6 | 17.50 | 0.689 | 66 | 2459430000 |
| 7 | 21.00 | 0.827 | 54 | 2459440000 |
| 8 | 24.50 | 0.965 | 48 | 2459450000 |
| 9 | 28.00 | 1.102 | 48 | 2459460000 |
| 10 | 31.50 | 1.240 | 42 | 2459470000 |
| 11 | 35.00 | 1.378 | 36 | 2459480000 |
| 12 | 38.50 | 1.516 | 36 | 2459490000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.50 | 0.138 | 132 | 2459680000 |
| 3 | 7.00 | 0.276 | 102 | 2459690000 |
| 4 | 10.50 | 0.413 | 84 | 2459700000 |
| 5 | 14.00 | 0.551 | 72 | 2459710000 |
| 6 | 17.50 | 0.689 | 66 | 2459720000 |
| 7 | 21.00 | 0.827 | 54 | 2459730000 |
| 8 | 24.50 | 0.965 | 48 | 2459740000 |
| 9 | 28.00 | 1.102 | 48 | 2459750000 |
| 10 | 31.50 | 1.240 | 42 | 2459760000 |
| 11 | 35.00 | 1.378 | 36 | 2459770000 |
| 12 | 38.50 | 1.516 | 36 | 2459780000 |

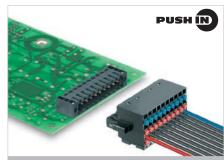
Ordering data

| Solder pin | | | | |
|------------|---------|----------|------|------------|
| Colour | | | | orange |
| Pitch | 3.50 mn | n | | |
| Pol. | 11 | (inch) | Qty. | Order No. |
| | | (111011) | | Order ite. |
| 2 | 3.50 | 0.138 | 264 | 2460150000 |
| 2 | | | | |



2977770000 **Weidmüller** ₹ 1.53

BL-I/O 3.5/../180



Female plug provides pluggable connection level for decentralized I/O electronics. It is used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock and release lever (LR).

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm² UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to eshop.weidmueller.com

Note

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

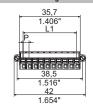
BL-I/O 3.50/10/180F

with screw flange





Dimensioned drawing







Technical data

| roommour data | | | | |
|--------------------------------|-----------------|--------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | mm ² | | 0.21.5 | 5 |
| Solid core H05(07) V-U | mm ² | | 0.21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.21.5 | | |
| Flexible with ferrule | mm ² | | 0.21 | |
| Ferrule with plastic collar | mm ² | - (| 0.20.7 | 5 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | 0.4 x 2. | 5 |
| According to norm | | 1 | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 2.2 | | 2.2 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 50 | 160 | 200 |
| Rated impulse voltage | V | 0.8 | 2.5 | 2500 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 50 | | 50 |
| Rated current | Α | 5 | | 5 |
| AWG conductor | AWG | | 24-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 50 | | 50 |
| Rated current | Α | 5 | | 5 |
| AWG conductor | AWG | | 22-16 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| | BL SL 3.5 KO OR | 1693430000 | | |
| $ \bigcirc $ | BL SL 3.5 KO SW | 1610100000 | | |
| | | | | |
| Screwdriver | | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | |
| 4 | SDIS 0.4X2.5X75 | 2749790000 | | |
| / | | | | |
| Pressing tool | | | | |
| 19 | PZ 6/5 | 9011460000 | | |
| 20 | PZ 1.5 | 9005990000 | | |
| | | | | |
| | | | | |

Ordering data

| Sold | er pin len | gth | | | |
|---------------|------------|--------|------|------------|------------|
| Colo | ur | | | Light Grey | black |
| Pitch 3.50 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 10 | 31.50 | 1.240 | 20 | 1871690000 | 1779880000 |

180°

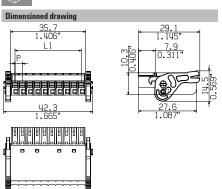


BL-I/O 3.50/10/180LR

with release latch







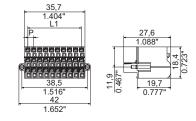
BL-I/O 3.50/30/180F

with screw flange





Dimensioned drawing





1.404" 1.404" 27,6 1.088" 42,3 1.664" 42,3 1.663" 0.776" 42,3 1.663" 0.134" 0.102" 0.212" MIN. FRONT PLATE CUT-OUT

Ordering data

| | • | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 10 | 31.50 | 1.240 | 20 | 1531180000 |

Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | black | |
| Pitch | 3.50 mm | ı | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 30 | 31.50 | 1.240 | 20 | 1779920000 | |

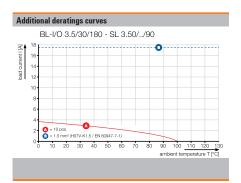
Ordering data

BL-I/O 3.50/30/180LR

with release latch

| Solder pin | | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 30 | 31.50 | 1.240 | 20 | 1000550000 |

Compatible with SL-SMT 3.50/../90RF



2977770000 **Weidmüller** ₹ 1.55

BL-I/O 3.50/../180 PNP LED



Female plug provides pluggable connection level with common minus (PNP sensor) for decentralized I/O electronics with integrated LED display; used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock an release lever (LR).

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm² UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor $< 0.2 \text{ mm}^2 \text{ tinned}$
- . Max. outer diameter of the conductor: 2.9 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

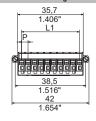
BL-I/O 3.50/10/180F PNP LED

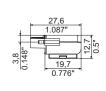
with screw flange





Dimensioned drawin







Technical data

| EC 61984 | ļ. | | |
|-----------------|---------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|
| mm ² | | | |
| mm² | | 0.21.9 | 5 |
| | | | |
| mm ² | | 0.21.5 | , |
| mm ² | | 0.21 | |
| mm ² | (| 0.20.7 | 5 |
| mm | | 8 | |
| mm | | 0.4 x 2.5 | 5 |
| | - 1 | OIN 526 | 4 |
| | | | |
| Α | 2.2 | | 2.2 |
| | 20°C | | 40°C |
| mm ² | | 1 | |
| | III | III | Ш |
| | 3 | 2 | 2 |
| V | 50 | 160 | 200 |
| V | 0.8 | 2.5 | 2500 |
| | В | C | D |
| V | 50 | | 50 |
| Α | 5 | | 5 |
| AWG | | 24-16 | |
| | В | C | D |
| • | | | 50 |
| Α | 5 | | 5 |
| AWG | | 22-16 | |
| | | | |
| | | | |
| | | | |
| | | V-0 | |
| | | Cu-alloy | |
| | | | |
| mm | | Cu-alloy | |
| mm | | Cu-alloy | |
| | mm² mm² mm² mm² mm² mm A mm² V V V A AWG | mm² mm² mm² mm² mm² mm mm | mm² 0.21.5 mm² 0.21.5 mm² 0.21.5 mm² 0.20.7 mm 8 mm 0.4 x 2.5 DIN 526 mm² 1 |

Accessories

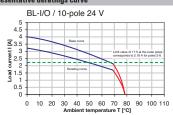
| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| | BL SL 3.5 KO OR | 1693430000 | | |
| = | BL SL 3.5 KO SW | 1610100000 | | |
| | | | | |
| Screwdriver | | | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | | |
| 1 | SDIS 0.4X2.5X75 | 2749790000 | | |
| / | | | | |
| Pressing tool | | | | |
| | PZ 6/5 | 9011460000 | | |
| 20 | PZ 1.5 | 9005990000 | | |
| | | | | |

Ordering data

| Sold | er pın lei | ngth . | | | |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | Light Grey | black |
| Pitc | h | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 10 | 31.50 | 1.240 | 20 | 1965940000 | 1789090000 |
| | | | | | |

LED series resistors designed for 24 V

Representative deratings curve



LED series resistors designed for 24 V

180°

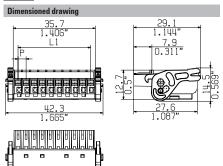


BL-I/O 3.50/10/180LR PNP LED

with release latch







Ordering data

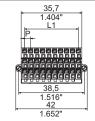
| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 10 | 31.50 | 1.240 | 20 | 1531190000 |

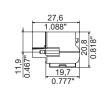
BL-I/O 3.50/30/180F PNP LED

with screw flange











Ordering data

| Colour | | | | | |
|---------------|------|--------|------|------------|------------|
| Guiuui | | | | Light Grey | black |
| Pitch 3.50 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 30 3 | 1.50 | 1.240 | 20 | 1965970000 | 1789110000 |

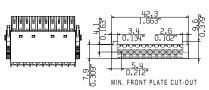
BL-I/O 3.50/30/180LR PNP LED

with release latch





35.7 1.404"



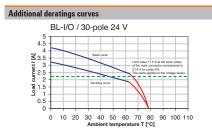
Ordering data

| n length | | | |
|----------|----------------|----------------------|---------------------------|
| | | | black |
| 3.50 mm | | | |
| L1 | (inch) | Qty. | Order No. |
| 31.50 | 1.240 | 20 | 1000570000 |
| | 3.50 mm | 3.50 mm L1 (inch) | 3.50 mm L1 (inch) Qty. |

LED series resistors configured for 24V; compatible with SL-SMT 3:50 /../ 90RF

LED series resistors designed for 24 V

LED series resistors designed for 24 V



Weidmüller 3€ 1.57 2977770000

BL-I/O 3.50/../180 NPN LED



Female plug provides pluggable connection level with common positive (NPN sensor) for decentralized I/O electronics with integrated LED display; used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock an release lever (LR).

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm² UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

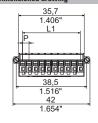
BL-I/O 3.50/10/180F NPN LED

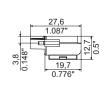
with screw flange





Dimensioned drawin







Technical data

| In compliance with IEC 60664-1 | | | | | |
|--------------------------------|-----------------|------|----------|------|--|
| Clamping range, max. | mm ² | | 0.21.5 | | |
| Solid core H05(07) V-U | mm ² | | 0.21. | 5 | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | 5 | |
| Flexible with ferrule | mm ² | | 0.21 | | |
| Ferrule with plastic collar | mm ² | - 1 | 0.20.7 | 5 | |
| Stripping length | mm | | 8 | | |
| Screwdriver blade | mm | | 0.4 x 2. | 5 | |
| According to norm | | 1 | DIN 526 | 4 | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 2.2 | | 2.2 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | mm ² | | 1 | | |
| Overvoltage category | | III | III | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 50 | 160 | 200 | |
| Rated impulse voltage | V | 0.8 | 2.5 | 2500 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 50 | | 50 | |
| Rated current | Α | 5 | | 5 | |
| AWG conductor | AWG | | 24-16 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 50 | | 50 | |
| Rated current | Α | 5 | | 5 | |
| AWG conductor | AWG | | 22-16 | | |
| General data | | | | | |
| Type of insulation material | | | PBT | | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | 1 | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet Ø = D | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |

Accessories

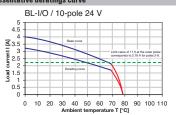
| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|
| Coding | | Order No. | |
| | BL SL 3.5 KO OR | 1693430000 | |
| (*) | BL SL 3.5 KO SW | 1610100000 | |
| | | | |
| Screwdriver | | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | |
| | SDIS 0.4X2.5X75 | 2749790000 | |
| / | | | |
| Pressing tool | | | |
| 19 | PZ 6/5 | 9011460000 | |
| 200 | PZ 1.5 | 9005990000 | |
| | | | |
| | | | |

Ordering data

| Solder pil | 1 length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 10 | 31.50 | 1.240 | 20 | 1938010000 |
| | | | | |

LED series resistors designed for 24 V

Representative deratings curve



LED series resistors designed for 24 V

180°

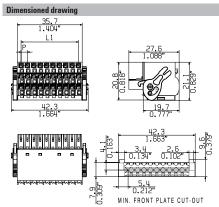


BL-I/O 3.50/10/180LR NPN LED

with release latch







Ordering data

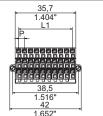
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 10 | 31.50 | 1.240 | 20 | 1531200000 |

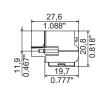
BL-I/O 3.50/30/180F NPN LED

with screw flange











Ordering data

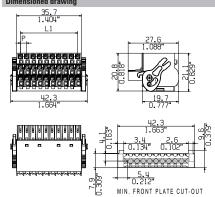
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 30 | 31.50 | 1.240 | 20 | 1938020000 |
| | | | | |

BL-I/O 3.50/30/180LR NPN LED

with release latch







Ordering data

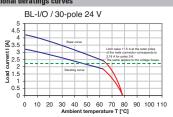
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 30 | 31.50 | 1.240 | 20 | 1000590000 |

LED series resistors configured for 24V; compatible with SL-SMT 3:50 /../ 90RF

LED series resistors designed for 24 V

LED series resistors designed for 24 V





2977770000

BL I/O 3.50/../180 CJC



Many industrial applications demand an increasingly higher accuracy of temperature measurement. At the same time, the required equipment must become cheaper and smaller. For the BL I/O 3.5 CJC, the cold junction compensation is integrated into the connector, which reduces space and costs.

The cold junction compensation of the BL I/O CJC is integrated by a thermistor in the connector. Therefore, no additional compensation is needed when connecting thermocouples to a device to measure the temperature. The integrated compensation simplifies the device and increases the measuring accuracy up to 20%.

Product data

IEC: 200 V / 2.2 A / 0.2 - 1.5 mm² UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to eshop.weidmueller.com

Note

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BL I/O 3.5 CJC





Dimensioned drawing L1+4, 2 L1+0, 165" L1 P 27.6 1.087" 1.087" 1.1+7 L1+0, 275" L1+10, 5 L1+0, 413"

Ordering data

| Solder pii | n length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 10 | 31.50 | 1.240 | 20 | 2471390000 |
| | | | | |

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.21.5 | 5 |
| Solid core H05(07) V-U | mm ² | | 0.21. | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | 5 |
| Flexible with ferrule | mm ² | | 0.21 | |
| Ferrule with plastic collar | mm ² | | 0.20.7 | 5 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | | 0.4 x 2. | 5 |
| According to norm | | 1 | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 2.2 | | 2.2 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1 | |
| Overvoltage category | | Ш | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 50 | 160 | 200 |
| Rated impulse voltage | V | 0.8 | 2.5 | 2500 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 50 | | 50 |
| Rated current | Α | 5 | | 5 |
| AWG conductor | AWG | | 24-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 50 | | 50 |
| Rated current | Α | 5 | | 5 |
| AWG conductor | AWG | | 22-16 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|
| Coding | | Order No. | |
| | BL SL 3.5 KO OR | 1693430000 | |
| $ \mathbf{E} $ | BL SL 3.5 KO SW | 1610100000 | |
| | | | |
| Screwdriver | | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | |
| 1 | SDIS 0.4X2.5X75 | 2749790000 | |
| / | | | |
| Pressing tool | | | |
| | PZ 6/5 | 9011460000 | |
| 200 | PZ 1.5 | 9005990000 | |
| | | | |
| | | | |





1.60

BL-I/O 3.50/../180

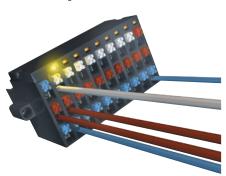
BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.

BL-I/O 3.50/../180 PNP LED

BL-I/O 3.5 30-pin

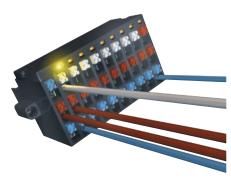
- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.



BL-I/O 3.50/../180 NPN LED

BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.



Integrated LED version

- Available for all the BL-I/Os
- Test the sensor or actuator cabling before commissioning the controller
- · Eliminates the need for function displays in the housing

Integrated LED version

- Available for all the BL-I/Os
- Test the sensor or actuator cabling before commissioning the controller
- Eliminates the need for function displays in the housing

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources

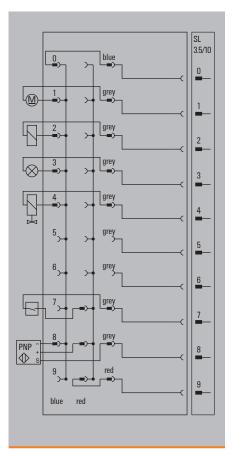


Diagram of BL-I/O 30 pin with SL 3.5 10 pin

- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources

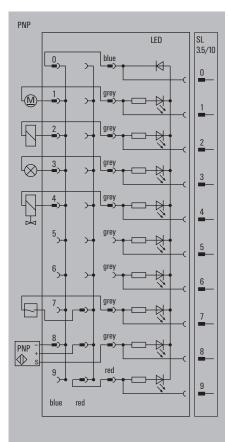
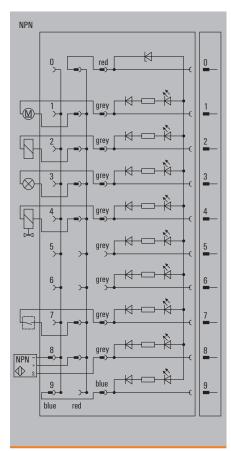
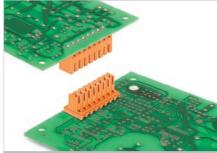


Diagram of BL-I/O 30 pin with SL 3.5 10 pin

- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources



BLL 3.50/../180



Inverted female headers for:

- touch-safety on the PCB
- board-to-board connection of modules (with SL/
- Wave soldering
- Outlet direction: 180° (standing, perpendicular to

Product data

IEC: 320 V / 15.1 A UL: 300 V / 9 A



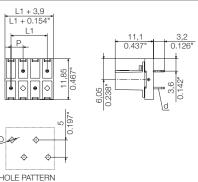
For additional articles and information, refer to eshop.weidmueller.com

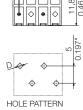
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLL 3.50/../180







Technical data

| In compliance with IEC 60664-1 | IEC 61984 | ļ | | |
|--------------------------------|-----------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15.1 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | ll l |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 9 | | 9 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | 300 | |
| Rated current | Α | | 9 | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 0.8 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| | Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--|---------------------------------------------------------------------------|-----------------|------------|--|--|
| | Coding | | Order No. | | |
| | | BL SL 3.5 KO OR | 1693430000 | | |
| | BL SL 3.5 KO SW | 1610100000 | | | |
| | | | | | |

Ordering data

| Solder pin length | | | 3.2 mm |
|-------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | orange |
| 3.50 mm | | | |
| L1 | (inch) | Qty. | Order No. |
| 3.50 | 0.138 | 75 | 1376310000 |
| 7.00 | 0.276 | 50 | 1376320000 |
| 10.50 | 0.413 | 38 | 1376330000 |
| 14.00 | 0.551 | 30 | 1376340000 |
| 17.50 | 0.689 | 25 | 1376430000 |
| 21.00 | 0.827 | 22 | 1376350000 |
| 24.50 | 0.965 | 19 | 1376440000 |
| 28.00 | 1.102 | 17 | 1376450000 |
| 31.50 | 1.240 | 15 | 1376470000 |
| 35.00 | 1.378 | 14 | 1376370000 |
| 38.50 | 1.516 | 13 | 1376480000 |
| | 3.50 mm L1 3.50 7.00 10.50 14.00 17.50 21.00 24.50 28.00 31.50 35.00 | 3.50 mm L1 (inch) 3.50 0.138 7.00 0.276 10.50 0.413 14.00 0.551 17.50 0.689 21.00 0.827 24.50 0.965 28.00 1.102 31.50 1.240 35.00 1.378 | 3.50 mm L1 (inch) 0ty. 3.50 0.138 75 7.00 0.276 50 10.50 0.413 38 14.00 0.551 30 17.50 0.689 25 21.00 0.827 22 24.50 0.965 19 28.00 1.102 17 31.50 1.240 15 35.00 1.378 14 |



Representative deratings curve BLL 3.50/../180 - SL 3.50/../90

OMNIMATE® Signal PCB connectors in 3.81 mm pitch

| OMNIMATE® Signal | Connectors in 3.81 mm pitch | | |
|---------------------------------|-----------------------------|-------------------|-----|
| PCB connectors in 3.81 mm pitch | Series BC/SC 3.81 | | |
| | | Explanation | J.2 |
| | | Quick selection | J.6 |
| | | Product selection | J.8 |

2977770000 **Weidmüller** ₹ J.1

Plug-in connector OMNIMATE® Signal 3.81

Opens up new dimensions for your application

Large variety of products and an extensive accessory range

- · All combinations are possible: wire-to-board, wire-to-wire, board-toboard, board-to-wire
- Wide range of reflow ready strips
- Individually configurable with accessories and specific printing or
- Compact design to connect 1.5 mm² wires

Unique performance offering high levels of redundancy

- Rated current: 17.5 A
- Up to 65 °C without derating
- Ambient temperature up to 120 °C

Safe handling characteristics

- · Lock & Release lever allows tool-free locking and module-safe loosening
- Vibration resistant PUSH IN connection offers tool free wiring connection
- Proven screw connection

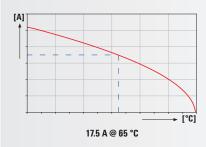


Reliable flange connections are easy to use and protect the electronic modules when they are removed: screw flange, release lever or lock & release lever.



Unique performance

High power reserves allow applications without restrictions up to the maximum wiring power rating - even in high ambient temperatures.

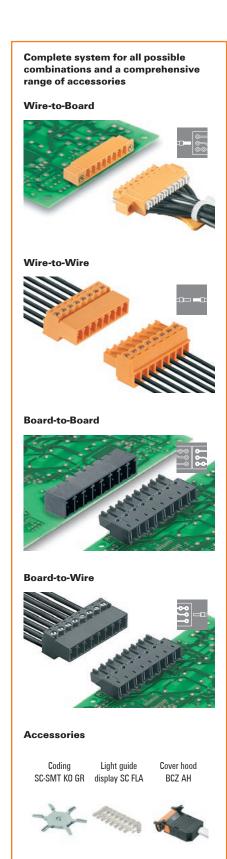


Minimum stack height, maximum clamping force and PUSH IN: the SCDN 3.81 simply handles two 7.9 mm flat BCF 3.81 with 1.5 mm² wire end ferrules.









2977770000 **Weidmüller** ₹ J.3

Plug-in connector OMNIMATE® Signal 3.81

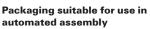
Brings new dimensions into handling

Best choice for reflow soldering

- · Reflow strips made from the high temperature material LCP
- Form at high soldering temperatures stability
- Dimensionally stable
- Can be processed without drying (MSL 1)
- Thermal expansion properties similar to a FR4 PCB

Unique handling

- Suitable for automatic machine handling, antistatic packaging in tape, tray or tube
- Optional Pick & Place pad supports feeder systems
- Solder flange fixes the strip to the PCB without the use of screws
- An optimised pin end which permits AOI (automated optical inspection)
- Variable pin length to support placement on both sides of the PCB
- Integrated spacing bars improve the flow of heat during the solder process
- Free space in the pin area facilitate the development of the solder meniscus.



Standard belt widths for simple integration into the assembly process.

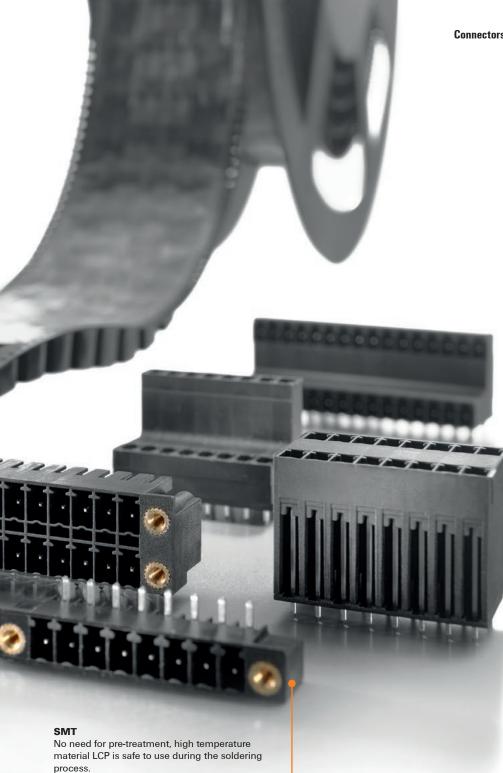


Code in advance – process universallyNo additional work required for factory-side reflow-compatible coding.

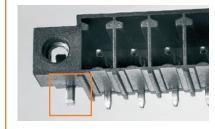


П

J.4 Weidmüller ₹ 2977770000

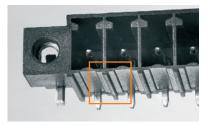


Solder flange pin Secures to the PCB without a screw



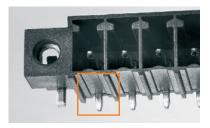
Integrated bars

Optimal airflow during reflow soldering



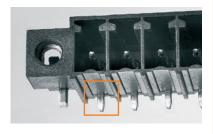
Rebates in the area of the pin

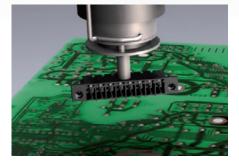
Space for the development of the solder meniscus



Pin tips

Optimal recognition by the automatic optical inspection device (AOI)





Weidmüller ₹ J.5 2977770000

http://www.OMNIMATE.net = Wire-to-Board = Board-to-Board = Wire-to-Wire = Board-to-Wire

Male header

BC/SC 3.81 series



| | Levels | | 1 | |
|-------------|----------|-------------------------------------|-------------------------------------|--|
| Orientation | | 90° | 180° | |
| | IEC / UL | IEC: 320 V/17.5 A UL: 300 V/10 A | IEC: 320 V/17.5 A UL: 300 V/10 A | |

Solder connection

| Туре | | SC | SC | |
|------|----------------|-----|-----|--|
| | Flange options | G/F | G/F | |

T 1 1 1 1 Reflow solder connection

| | | Туре | | | | SC-SMT | SC-SMT | |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------|---------------|----------------------------------------------------------------------------|----------------|-----------------------|------------------------------|
| | | | | Flange option | ns | G/LF | G/LF | |
| Screw | A HAMANA | BCZ | 180° | (G)/F/LR | IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16 | 0 | \circ | |
| | ASSESSED TO THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLU | BCZ | 90° | (G)/F | IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16 | 0 | \circ | |
| | ALLIAN S | BCZ | 270° | (G)/F | IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16 | 0 | \bigcirc | |
| PUSH IN | MARINE | BCF | 180° | (G)/F/LR | IEC: 320 V/17.5 A/0.14 - 1.5 mm ² UL: 300 V/10 A/AWG 24 - 16 | 0 | \bigcirc | |
| Solder | San Marie | BCL SMT | 90° | (G)/F/LFI | IEC: 320 V/17.5 A UL: 300 V/10 A | • | • | |
| connection | | BCL SMT | 180° | (G)/LFI | IEC: 320 V/17.5 A UL: 300 V/10 A | • | • | |
| | Screw PUSH IN Solder | Screw PUSH IN Solder | Screw BCZ BCZ BCZ BCZ BCZ BCZ BCZ BC | BCZ 180° | Flange option | Flange options | Flange options G/LF | Flange options G/LF G/LF |

Female plug and header:

- (G)*= Closed (without flange)
- **F** = Flange with screw
- **LFI** = Inverted solder flange with nut
- LR = Lock & Release lever

Male header and plug:

- **G** = Closed (without flange)
- F = Screw flange with nut
- **LF** = Solder flange with nut
- LR = Lock & Release lever
- FI = Inverted flange with screw

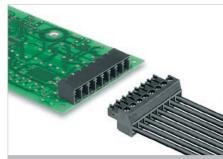
J.6 Weidmüller ₹ 2977770000

 $[\]ensuremath{^{\star}}$ not included in the article description

2977770000 **Weidmüller № J.7**



SC-SMT 3.81/../90



High-temperature-resistant male header.

- Plugging direction parallel to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tapeon-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

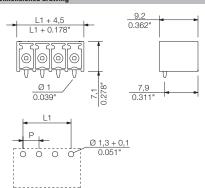
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SC-SMT 3.81/../90G Box

closed side







Technical data

| iechnicai data | | | | |
|--------------------------------|-------------|----------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 11 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | LCP GF | | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

Note: Refer to the Accessories chapter for additional accessories

1968900000

Ordering data

| , uutu | | | |
|---------|-------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| length | | | 3.2 mm |
| | | | black |
| 3.81 mn | 1 | | |
| L1 | (inch) | Qty. | Order No. |
| 3.81 | 0.150 | 50 | 1862460000 |
| 7.62 | 0.300 | 50 | 1862480000 |
| 11.43 | 0.450 | 50 | 1862490000 |
| 15.24 | 0.600 | 50 | 1862500000 |
| 19.05 | 0.750 | 50 | 1862510000 |
| 22.86 | 0.900 | 50 | 1862520000 |
| 26.67 | 1.050 | 50 | 1862530000 |
| 30.48 | 1.200 | 50 | 1862540000 |
| 34.29 | 1.350 | 50 | 1862550000 |
| 38.10 | 1.500 | 50 | 1862570000 |
| 41.91 | 1.650 | 50 | 1862730000 |
| | 3.81 mn L1 3.81 7.62 11.43 15.24 19.05 22.86 26.67 30.48 34.29 38.10 | Iength | Section Sect |

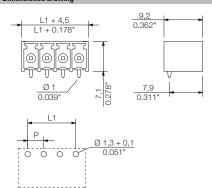
SC-SMT 3.81/../90G Tape

closed side; tape-on-reel











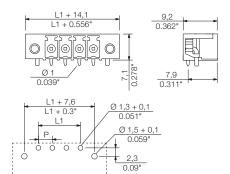
| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 400 | 1863140000 |
| 3 | 7.62 | 0.300 | 400 | 1863150000 |
| 4 | 11.43 | 0.450 | 400 | 1863160000 |
| 5 | 15.24 | 0.600 | 400 | 1863170000 |
| 6 | 19.05 | 0.750 | 400 | 1863180000 |
| 7 | 22.86 | 0.900 | 400 | 1863190000 |
| 8 | 26.67 | 1.050 | 400 | 1863200000 |
| 9 | 30.48 | 1.200 | 400 | 1863210000 |
| 10 | 34.29 | 1.350 | 400 | 1863220000 |
| | | | | |

SC-SMT 3.81/../90LF Box

with solder flange







Ordering data

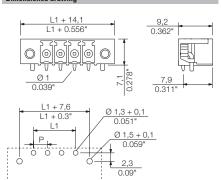
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1863670000 |
| 3 | 7.62 | 0.300 | 50 | 1863680000 |
| 4 | 11.43 | 0.450 | 50 | 1863690000 |
| 5 | 15.24 | 0.600 | 50 | 1863700000 |
| 6 | 19.05 | 0.750 | 50 | 1863710000 |
| 7 | 22.86 | 0.900 | 50 | 1863740000 |
| 8 | 26.67 | 1.050 | 50 | 1863760000 |
| 9 | 30.48 | 1.200 | 50 | 1863770000 |
| 10 | 34.29 | 1.350 | 50 | 1863790000 |
| 11 | 38.10 | 1.500 | 50 | 1863810000 |
| 12 | 41.91 | 1.650 | 50 | 1863820000 |
| | | | | |

SC-SMT 3.81/../90LF Tape

with solder flange; tape-on-reel







Ordering data

| Colour black Pitch 3.81 mm cy Pol. L1 (inch) Qty. Order No. 2 3.81 0.150 400 1862720000 3 7.62 0.300 400 1862720000 4 11.43 0.450 400 1862770000 5 15.24 0.600 400 1862790000 6 19.05 0.750 400 1862820000 7 22.86 0.900 400 1862830000 8 26.67 1.050 400 1862850000 | Solder pin | length | | | 1.5 mm |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|--------|------|------------|
| Pol. L1 (inch) Oty. Order No. 2 3.81 0.150 400 1862720000 3 7.62 0.300 400 1862750000 4 11.43 0.450 400 1862770000 5 15.24 0.600 400 1862790000 6 19.05 0.750 400 1862820000 7 22.86 0.900 400 1862830000 | Colour | | | | black |
| 2 3.81 0.150 400 1862720000 3 7.62 0.300 400 1862750000 4 11.43 0.450 400 1862770000 5 15.24 0.600 400 1862790000 6 19.05 0.750 400 1862820000 7 22.86 0.900 400 1862830000 | Pitch | 3.81 mn | 1 | | |
| 3 7.62 0.300 400 1862750000 4 11.43 0.450 400 1862770000 5 15.24 0.600 400 1862790000 6 19.05 0.750 400 1862820000 7 22.86 0.900 400 1862830000 | Pol. | L1 | (inch) | Qty. | Order No. |
| 4 11.43 0.450 400 1862770000 5 15.24 0.600 400 1862790000 6 19.05 0.750 400 1862820000 7 22.86 0.900 400 1862830000 | | 3.81 | 0.150 | 400 | 1862720000 |
| 5 15.24 0.600 400 1862790000 6 19.05 0.750 400 1862820000 7 22.86 0.900 400 1862830000 | | 7.62 | 0.300 | 400 | 1862750000 |
| 6 19.05 0.750 400 1862820000 7 22.86 0.900 400 1862830000 | 4 | 11.43 | 0.450 | 400 | 1862770000 |
| 7 22.86 0.900 400 1862830000 | 5 | 15.24 | 0.600 | 400 | 1862790000 |
| | 6 | 19.05 | 0.750 | 400 | 1862820000 |
| 8 26.67 1.050 400 1862850000 | 7 | 22.86 | 0.900 | 400 | 1862830000 |
| | 8 | 26.67 | 1.050 | 400 | 1862850000 |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81/../180



High-temperature-resistant male header.

- Plugging direction is perpendicular to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tapeon-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

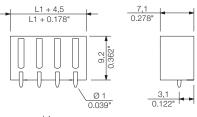
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

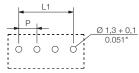
SC-SMT 3.81/../180G Box

closed side









Technical data

| I CUIIII Cai uata | | | | | |
|--------------------------------|-------------|----------|--------|------|--|
| In compliance with IEC 60664-1 | / IEC 61984 | ŀ | | | |
| Clamping range, max. | | | | | |
| Solid core H05(07) V-U | | | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | | | | | |
| Flexible with ferrule | | | | | |
| Ferrule with plastic collar | | | | | |
| Stripping length | | | | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 17.5 | | 17 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | Ш | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 160 | 160 | 320 | |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 11 | | 11 | |
| AWG conductor | AWG | | - | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | | |
| Rated current | Α | 11 | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | LCP GF | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | tinned | | | |
| Pin dimensions = d | mm | 1.0, | Octago | onal | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | | |
| | | | | | |

Accessories

| Coding | | Order No. |
|--------|----------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1862920000 |
| 3 | 7.62 | 0.300 | 50 | 1862940000 |
| 4 | 11.43 | 0.450 | 50 | 1862950000 |
| 5 | 15.24 | 0.600 | 50 | 1863010000 |
| 6 | 19.05 | 0.750 | 50 | 1863020000 |
| 7 | 22.86 | 0.900 | 50 | 1863030000 |
| 8 | 26.67 | 1.050 | 50 | 1863240000 |
| 9 | 30.48 | 1.200 | 50 | 1863270000 |
| 10 | 34.29 | 1.350 | 50 | 1863290000 |
| 11 | 38.10 | 1.500 | 50 | 1863320000 |
| 12 | 41.91 | 1.650 | 50 | 1863330000 |
| | | | | |



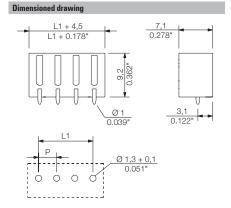
with solder flange

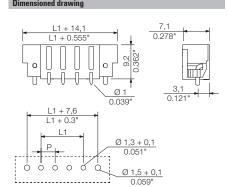


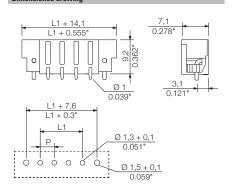












Ordering data

| Sold | er pin ler | ngth | | 1.5 mm | 3.2 mm |
|------|------------|---------|------|------------|------------|
| Colo | ur | | | black | black |
| Pitc | h | 3.81 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. | Order No. |
| 2 | 3.81 | 0.150 | 300 | 1864050000 | |
| 3 | 7.62 | 0.300 | 300 | 1864060000 | |
| 4 | 11.43 | 0.450 | 300 | 1864290000 | 1863490000 |
| 5 | 15.24 | 0.600 | 300 | 1864300000 | |
| 6 | 19.05 | 0.750 | 300 | 1864310000 | |
| 7 | 22.86 | 0.900 | 300 | 1864320000 | |
| 8 | 26.67 | 1.050 | 300 | 1864330000 | |
| 9 | 30.48 | 1.200 | 300 | 1864340000 | |
| 10 | 34.29 | 1.350 | 300 | 1864350000 | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1863230000 |
| 3 | 7.62 | 0.300 | 50 | 1863250000 |
| 4 | 11.43 | 0.450 | 50 | 1863260000 |
| 5 | 15.24 | 0.600 | 50 | 1863280000 |
| 6 | 19.05 | 0.750 | 50 | 1863300000 |
| 7 | 22.86 | 0.900 | 50 | 1863310000 |
| 8 | 26.67 | 1.050 | 50 | 1863340000 |
| 9 | 30.48 | 1.200 | 50 | 1863360000 |
| 10 | 34.29 | 1.350 | 50 | 1863380000 |
| 11 | 38.10 | 1.500 | 50 | 1863390000 |
| 12 | 41.91 | 1.650 | 50 | 1863410000 |

Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 300 | 1864220000 |
| 3 | 7.62 | 0.300 | 300 | 1864230000 |
| 4 | 11.43 | 0.450 | 300 | 1864240000 |
| 5 | 15.24 | 0.600 | 300 | 1864250000 |
| 6 | 19.05 | 0.750 | 300 | 1864260000 |
| 7 | 22.86 | 0.900 | 300 | 1864270000 |
| 8 | 26.67 | 1.050 | 300 | 1864280000 |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81/../135



Male header with 135° plugging angle (135° angle between the plugging direction and the solder pin). This corresponds to a 45° angle between the wire orientation and the circuit board.

- · Reflow compatible
- Available in closed (G) and with solder flange (LF).
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

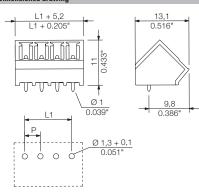
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SC-SMT 3.81/../135G

closed side







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ŀ | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 11 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| | Order No. |
|----------------------|----------------------|
| SC-SMT 3.81 KO GY BX | 1968900000 |
| | |
| | SC-SMT 3.81 KO GY BX |

Ordering data

| Oraorii | ig uutu | | | |
|----------|-----------|--------|------|------------|
| Solder p | in length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 3.81 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1977200000 |
| 3 | 7.62 | 0.300 | 50 | 1977210000 |
| 4 | 11.43 | 0.450 | 50 | 1977220000 |
| 5 | 15.24 | 0.600 | 50 | 1977230000 |
| 6 | 19.05 | 0.750 | 50 | 1977240000 |
| 7 | 22.86 | 0.900 | 50 | 1977250000 |
| 8 | 26.67 | 1.050 | 50 | 1977690000 |
| 9 | 30.48 | 1.200 | 50 | 1977700000 |
| 10 | 34.29 | 1.350 | 50 | 1977710000 |
| 11 | 38.10 | 1.500 | 50 | 1977720000 |
| 12 | 41.91 | 1.650 | 50 | 1977730000 |
| | | | | |



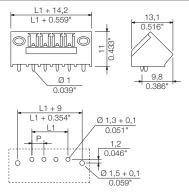
SC-SMT 3.81/../135LF

with solder flange









Ordering data

| j data | | | |
|---------|-------------------------------------------------------------------------------------------------------|--------|----------------|
| length | | | 3.2 mm |
| | | | black |
| 3.81 mn | 1 | | |
| L1 | (inch) | Qty. | Order No. |
| 3.81 | 0.150 | 50 | 1978080000 |
| 7.62 | 0.300 | 50 | 1978090000 |
| 11.43 | 0.450 | 50 | 1978100000 |
| 15.24 | 0.600 | 50 | 1978110000 |
| 19.05 | 0.750 | 50 | 1978120000 |
| 22.86 | 0.900 | 50 | 1978130000 |
| 26.67 | 1.050 | 50 | 1978140000 |
| 30.48 | 1.200 | 50 | 1978150000 |
| 34.29 | 1.350 | 50 | 1978160000 |
| 38.10 | 1.500 | 50 | 1978170000 |
| 41.91 | 1.650 | 50 | 1978180000 |
| | 3.81 mn L1 3.81 7.62 11.43 15.24 19.05 22.86 26.67 30.48 34.29 38.10 | Iength | Ingh 3.81 mm |

'n

2977770000 **Weidmüller № J.13**

SC-SMT 3.81/../270



High-temperature-resistant male header with 270° plugging angle (the angle between the plugging direction and the solder pin). This angle has a plugging direction that is parallel to the circuit board with female plugs plugged in upside down.

- Reflow compatible
- · Available in closed (G) version and with screw flange
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

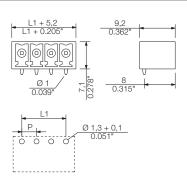
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SC-SMT 3.81/../270G

closed side







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 11 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | Accessories chapter for additional access | Order No. |
|--------|-------------------------------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |
| - | | |

Ordering data

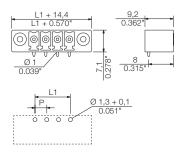
| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1036480000 |
| 3 | 7.62 | 0.300 | 50 | 1036490000 |
| 4 | 11.43 | 0.450 | 50 | 1036510000 |
| 5 | 15.24 | 0.600 | 50 | 1036520000 |
| 6 | 19.05 | 0.750 | 50 | 1036530000 |
| 7 | 22.86 | 0.900 | 50 | 1036540000 |
| 8 | 26.67 | 1.050 | 50 | 1036550000 |
| 9 | 30.48 | 1.200 | 50 | 1036560000 |
| 10 | 34.29 | 1.350 | 50 | 1036570000 |
| 11 | 38.10 | 1.500 | 50 | 1036580000 |
| 12 | 41.91 | 1.650 | 50 | 1036590000 |
| | | | | |







Dimensioned drawing

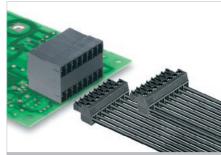


Ordering data

| Oruering | j uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1036990000 |
| 3 | 7.62 | 0.300 | 50 | 1037010000 |
| 4 | 11.43 | 0.450 | 50 | 1037020000 |
| 5 | 15.24 | 0.600 | 50 | 1037030000 |
| 6 | 19.05 | 0.750 | 50 | 1037040000 |
| 7 | 22.86 | 0.900 | 50 | 1037050000 |
| 8 | 26.67 | 1.050 | 50 | 1037060000 |
| 9 | 30.48 | 1.200 | 50 | 1037070000 |
| 10 | 34.29 | 1.350 | 50 | 1037080000 |
| 11 | 38.10 | 1.500 | 50 | 1037090000 |
| 12 | 41.91 | 1.650 | 50 | 1037110000 |

П

SCD-THR 3.81/../90



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version and with screw flange

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

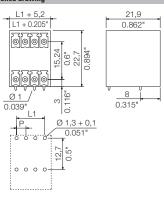
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCD-THR 3.81/../90G

closed side







Technical data

| Clamping range, max. Solid core H05(07) V-U | recillical data | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|------|----------|------|
| Solid core H05(07) V-U Stranded H07 V-R | In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Stranded H07 V-R Flexible H05(07) V-K Flexible With ferrule Ferrule with plastic collar Stripping length Screwdriver blade Screwdriver blade mm According to norm Tightening torque range Rated current, max. A 17.5 17 At ambient temperature 20°C 40°C For conductor cross-section Vorvoltage category III | Clamping range, max. | | | | |
| Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade mm According to norm Tightening torque range Rated current, max. | Solid core H05(07) V-U | | | | |
| Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade mm According to norm Tightening torque range Rated current, max. | Stranded H07 V-R | | | | |
| Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage V 160 160 320 Rated voltage V 160 160 320 Rated woltage V 160 160 320 Rated woltage V 2.5 2.5 2.5 UL / CUL (Use Group) Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 11 11 AWG conductor AWG CSA (Use Group) Rated voltage V 300 500 Rated voltage Rated voltage V 300 500 Rated voltage Rated voltage V 300 500 Rated voltage Rated voltage Rated voltage V 300 500 Rated voltage Rated voltage V 300 500 Rated voltage Rated volt | Flexible H05(07) V-K | | | | |
| Stripping length Mmm According to norm mmm According to norm Tightening torque range A 17.5 17 Rated current, max. A 17.5 40°C For conductor cross-section V 20°C 40°C For conductor cross-section V IIII III II II II II III I | Flexible with ferrule | | | | |
| Screwdriver blade According to norm mm According to norm mm According to norm Tightening torque range A 17.5 17 Rated current, max. A 17.5 40°C 40°C For conductor cross-section V 20°C 40°C For conductor cross-section W 111 III | Ferrule with plastic collar | | | | |
| According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage V 160 160 320 Rated voltage V 160 160 320 Rated woltage V 25 2.5 2.5 2.5 UL / CUL (Use Group) Rated voltage V 300 300 Rated current A 11 11 AWG conductor AWG | Stripping length | | | | |
| Tightening torque range Rated current, max. A to 17.5 17 At ambient temperature 20°C 40°C For conductor cross-section 30°C 180°C Overvoltage category III 320 2 2 Rated voltage V 160 160 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 < | Screwdriver blade | mm | | | |
| Rated current, max. A tambient temperature A coccurrent, max. A coccurrent, max. A coccurrent, max. To conductor cross-section Coccurrent max. III | According to norm | | | | |
| At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage Rated voltage Rated woltage V 160 160 320 Rated impulse voltage W 2.5 2.5 2.5 UL / CUL (Use Group) Rated voltage V 300 300 Rated current A 11 1 11 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated current A 11 1 AWG conductor AWG CSA (Use Group) Rated voltage V 300 CSA (Use Group) Rated contact surface Pin dimensions = d Rot V 300 CSA (Use Group) Rated voltage Rated voltage V 300 CSA (Use Group) Rated voltage V 300 CSA (Us | Tightening torque range | | | | |
| For conductor cross-section Overvoltage category Rated voltage V 160 160 320 Rated impulse voltage V 2.5 2.5 2.5 UL / CUL (Use Group) Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 11 11 AWG conductor CSA (Use Group) Rated voltage V 300 CU 300 CU 200 CU 200 CU 200 CU 201 V 40 COntact base material Material of contact surface Pin dimensions = d mm Solder eyelet Ø = D mm I.0, Octagousla | Rated current, max. | Α | 17.5 | | 17 |
| Overvoltage category III III II Pollution severity 3 2 2 Rated voltage V 160 160 320 Rated impulse voltage kV 2.5 2.5 2.5 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current AWG - - CSA (Use Group) B C D Rated voltage V 300 - Rated current A 11 - AWG conductor AWG - - AWG conductor AWG - - General data - - - Type of insulation material ULP GF - UL 94 flammability rating V-O Cu-alloy Contact base material Cu-alloy Material of contact surface mm 1.0, Octagorust Pin dimensions = d mm 1.0, Octagorust Solder ey | At ambient temperature | | 20°C | | 40°C |
| Pollution severity 3 2 2 Rated voltage V 160 160 320 Rated impulse voltage kV 2.5 2.5 2.5 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current AWG - D CSA (Use Group) B C D Rated voltage V 300 - - Rated current A 11 - - AWG conductor AWG - - - General data - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -< | For conductor cross-section | | | | |
| Rated voltage V 160 160 320 Rated impulse voltage kV 2.5 2.5 2.5 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current A 11 11 AWG conductor B C D Rated voltage V 300 - Rated voltage V 300 - Rated voltage V 300 - Rated current A 11 - AWG conductor AWG - - General data - - - Type of insulation material U.9 Cu-alloy V-O Contact base material V-O Cu-alloy Material of contact surface - - Pin dimensions = d mm 1.0, Octagonal Solder eyelet Ø = D mm 1.0, Octagonal | Overvoltage category | | III | III | II |
| Rated impulse voltage kV 2.5 2.5 2.5 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current AWG - C D AWG conductor B C D Rated voltage V 300 - C Rated current A 11 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | Pollution severity | | 3 | 2 | 2 |
| UL / CUL (Use Group) | Rated voltage | V | 160 | 160 | 320 |
| Rated voltage V 300 300 Rated current A 11 11 AWG conductor AWG - - CSA (Use Group) B C D Rated voltage V 300 - Rated voltage V 300 - Rated voltage AWG - - AWG conductor AWG - - AWG conductor AWG - - Foeneral data - - - UL 94 flammability rating V-0 - Contact base material V-0 Cu-alloy Material of contact surface - - Pin dimensions = d mm 1.0, Octagonal Solder eyelet Ø = D mm 1.3 | Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| Rated current | UL / CUL (Use Group) | | | C | D |
| AWG conductor AWG - CSA (Use Group) B C D Rated voltage V 300 - Rated current A 11 - AWG conductor AWG - - General data - LCP GF Type of insulation material LCP GF U.94 (lammability rating) Contact base material Cu-alloy Cu-alloy Material of contact surface tinned tinned Pin dimensions = d mm 1.0, Octagonal Solder eyelet Ø = D mm 1.3 | Rated voltage | V | | | 300 |
| CSA (Use Group) B C D Rated voltage V 300 - Rated current A 11 - AWG conductor AWG - - General data - - - Type of insulation material LCP GF UL.94 flammability rating V-O Contact base material Cu-alloy Contact base material Cu-alloy tinned - - Material of contact surface mm 1.0, Octagonal - Solder eyelet Ø = D mm 1.3 - | | | 11 | | 11 |
| Rated voltage V 300 Rated current A 11 AWG conductor AWG - General data Type of insulation material LCP GF UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm Solder eyelet Ø = D mm 1.3 | ***** | AWG | | - | |
| Rated current | | | | С | D |
| AWG conductor AWG - General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d mm Solder eyelet Ø = D mm 1.3 | · · | • | | | |
| General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d Solder eyelet Ø = D TLCP GF V-0 Cu-alloy tinned tinned 1.0, Octagonal 1.3 | Tratou ourront | ,, | 11 | | |
| Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d Solder eyelet Ø = D LCP GF V-0 Cu-alloy tinned 1.0, Octagonal 1.3 | 7117 G CONGGOTO | AWG | | - | |
| UL 94 flammability rating | | | | | |
| Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm 1.0, Octagonal Solder eyelet Ø = D mm 1.3 | " | | | | |
| Material of contact surface tinned Pin dimensions = d mm 1.0, Octagonal Solder eyelet Ø = D mm 1.3 | , , | | | | |
| Pin dimensions = d mm 1.0, Octagonal Solder eyelet Ø = D mm 1.3 | Contact Daco material | | | , | 1 |
| Solder eyelet Ø = D mm 1.3 | material or contact carrace | | | tiiiiiou | |
| • | | | 1.0 | | onal |
| Solder eyelet Ø tolerance mm + 0,1 | • | mm | | | |
| | Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

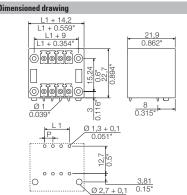
| Coding | Accessories chapter for additional access | Order No. |
|--------|-------------------------------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |
| - | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1973730000 |
| 6 | 7.62 | 0.300 | 50 | 1973740000 |
| 8 | 11.43 | 0.450 | 50 | 1973750000 |
| 10 | 15.24 | 0.600 | 50 | 1973760000 |
| 12 | 19.05 | 0.750 | 50 | 1973770000 |
| 14 | 22.86 | 0.900 | 50 | 1973780000 |
| 16 | 26.67 | 1.050 | 50 | 1973790000 |
| 18 | 30.48 | 1.200 | 50 | 1973800000 |
| 20 | 34.29 | 1.350 | 50 | 1973810000 |
| 22 | 38.10 | 1.500 | 50 | 1973820000 |
| 24 | 41.91 | 1.650 | 50 | 1973830000 |







Ordering data

| Oraemi | j uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1974180000 |
| 6 | 7.62 | 0.300 | 50 | 1974190000 |
| 8 | 11.43 | 0.450 | 50 | 1974200000 |
| 10 | 15.24 | 0.600 | 50 | 1974210000 |
| 12 | 19.05 | 0.750 | 50 | 1974220000 |
| 14 | 22.86 | 0.900 | 50 | 1974230000 |
| 16 | 26.67 | 1.050 | 50 | 1974240000 |
| 18 | 30.48 | 1.200 | 50 | 1974250000 |
| 20 | 34.29 | 1.350 | 50 | 1974290000 |
| 22 | 38.10 | 1.500 | 50 | 1974310000 |
| 24 | 41.91 | 1.650 | 50 | 1974330000 |

П

2977770000

SCD-THR 3.81/../180



High-temperature-resistant, double-level male header for reflow soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Orientation: 180° (recumbent)
- Connections at the same level and with access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

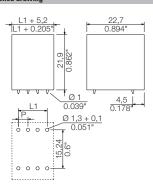
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCD-THR 3.81/../180G

closed side







Technical data

| iccillical uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ŀ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | ll l |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 11 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | - 1 | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|--------------|------------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |
| | | |
| Mounting sci | rew | |
| an . | PTSC KA 2.2X4.5 WN1412 | 1610740000 |
| Charles In | | |
| 100 | | |

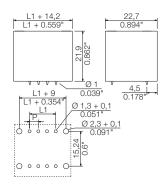
Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1030950000 |
| 6 | 7.62 | 0.300 | 50 | 1030960000 |
| 8 | 11.43 | 0.450 | 50 | 1030970000 |
| 10 | 15.24 | 0.600 | 50 | 1030980000 |
| 12 | 19.05 | 0.750 | 50 | 1030990000 |
| 14 | 22.86 | 0.900 | 50 | 1031010000 |
| 16 | 26.67 | 1.050 | 50 | 1031020000 |
| 18 | 30.48 | 1.200 | 50 | 1031030000 |
| 20 | 34.29 | 1.350 | 50 | 1031040000 |
| 22 | 38.10 | 1.500 | 50 | 1031050000 |
| 24 | 41.91 | 1.650 | 50 | 1031060000 |
| | | | | |





Dimensioned drawing



Ordering data

| Ordering | Juata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1031460000 |
| 6 | 7.62 | 0.300 | 50 | 1031470000 |
| 8 | 11.43 | 0.450 | 50 | 1031490000 |
| 10 | 15.24 | 0.600 | 50 | 1031510000 |
| 12 | 19.05 | 0.750 | 50 | 1031520000 |
| 14 | 22.86 | 0.900 | 50 | 1031530000 |
| 16 | 26.67 | 1.050 | 50 | 1031540000 |
| 18 | 30.48 | 1.200 | 50 | 1031560000 |
| 20 | 34.29 | 1.350 | 50 | 1031570000 |
| 22 | 38.10 | 1.500 | 50 | 1031590000 |
| 24 | 41.91 | 1.650 | 50 | 1031610000 |

'n

2977770000 **Weidmüller № J.19**

SCDN-THR 3.81/../90



Compact double-level male header for reflow soldering process. For use with BCF 3.81 plugs.

- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version and with screw flange

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

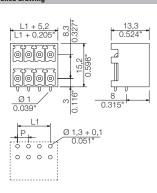
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCDN-THR 3.81/../90G

closed side







Technical data

| Toominour dutu | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| | Order No. |
|----------------------|----------------------|
| SC-SMT 3.81 KO GY BX | 1968900000 |
| | |
| | SC-SMT 3.81 KO GY BX |

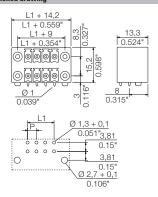
Ordering data

| Oradini | y uutu | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 3.81 mm | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1038950000 |
| 6 | 7.62 | 0.300 | 50 | 1038960000 |
| 8 | 11.43 | 0.450 | 50 | 1038970000 |
| 10 | 15.24 | 0.600 | 50 | 1038980000 |
| 12 | 19.05 | 0.750 | 50 | 1038990000 |
| 14 | 22.86 | 0.900 | 50 | 1039010000 |
| 16 | 26.67 | 1.050 | 50 | 1039020000 |
| 18 | 30.48 | 1.200 | 50 | 1039030000 |
| 20 | 34.29 | 1.350 | 50 | 1039040000 |
| 22 | 38.10 | 1.500 | 50 | 1039050000 |
| 24 | 41.91 | 1.650 | 50 | 1039060000 |
| | | | | |





Dimensioned drawing



Ordering data

| uraering | j data | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1039440000 |
| 6 | 7.62 | 0.300 | 50 | 1039450000 |
| 8 | 11.43 | 0.450 | 50 | 1039460000 |
| 10 | 15.24 | 0.600 | 50 | 1039520000 |
| 12 | 19.05 | 0.750 | 50 | 1039530000 |
| 14 | 22.86 | 0.900 | 50 | 1039540000 |
| 16 | 26.67 | 1.050 | 50 | 1039550000 |
| 18 | 30.48 | 1.200 | 50 | 1039560000 |
| 20 | 34.29 | 1.350 | 50 | 1039570000 |
| 22 | 38.10 | 1.500 | 50 | 1039580000 |
| 24 | 41.91 | 1.650 | 50 | 1039590000 |

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2977770000 **Weidmüller ₹ J.21**

SCDV-THR 3.81/../90



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 90°
- Connections at two offset levels and open access to
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

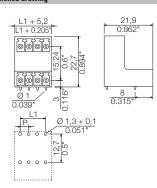
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCDV-THR 3.81/../90G

closed side







Technical data

| i cullilicai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|--------|----------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |

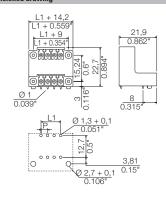
Ordering data

| | , | | | |
|------------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solder pir | ı length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1033490000 |
| 6 | 7.62 | 0.300 | 50 | 1033510000 |
| 8 | 11.43 | 0.450 | 50 | 1033520000 |
| 10 | 15.24 | 0.600 | 50 | 1033530000 |
| 12 | 19.05 | 0.750 | 50 | 1033540000 |
| 14 | 22.86 | 0.900 | 50 | 1033550000 |
| 16 | 26.67 | 1.050 | 50 | 1033560000 |
| 18 | 30.48 | 1.200 | 50 | 1033570000 |
| 20 | 34.29 | 1.350 | 50 | 1033580000 |
| 22 | 38.10 | 1.500 | 50 | 1033590000 |
| 24 | 41.91 | 1.650 | 50 | 1033600000 |
| | Solder pir Colour Pitch Pol. 4 6 8 10 12 14 16 18 20 22 | Pitch 3.81 mm Pol. L1 4 3.81 6 7.62 8 11.43 10 15.24 12 19.05 14 22.86 16 26.67 18 30.48 20 34.29 22 38.10 | Solder pin length Colour Pitch 3.81 mm Pol. L1 (inch) 4 3.81 0.150 6 7.62 0.300 8 11.43 0.450 10 15.24 0.600 12 19.05 0.750 14 22.86 0.900 16 26.67 1.050 18 30.48 1.200 20 34.29 1.350 22 38.10 1.500 | Solder pin length Colour Pitch 3.81 mm Pol. L1 (inch) Qty. 4 3.81 0.150 50 50 6 7.62 0.300 50 50 8 11.43 0.450 50 50 10 15.24 0.600 50 50 12 19.05 0.750 50 50 14 22.86 0.900 50 50 16 26.67 1.050 50 50 18 30.48 1.200 50 50 20 34.29 1.350 50 50 22 38.10 1.500 50 |





Dimensioned drawing



Ordering data

| Oraerini | y aata | | | |
|------------|----------|--------|------|------------|
| Solder pin | ı length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1033970000 |
| 6 | 7.62 | 0.300 | 50 | 1033980000 |
| 8 | 11.43 | 0.450 | 50 | 1033990000 |
| 10 | 15.24 | 0.600 | 50 | 1034010000 |
| 12 | 19.05 | 0.750 | 50 | 1034020000 |
| 14 | 22.86 | 0.900 | 50 | 1034030000 |
| 16 | 26.67 | 1.050 | 50 | 1034040000 |
| 18 | 30.48 | 1.200 | 50 | 1034050000 |
| 20 | 34.29 | 1.350 | 50 | 1034060000 |
| 22 | 38.10 | 1.500 | 50 | 1034070000 |
| 24 | 41.91 | 1.650 | 50 | 1034080000 |

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SCDV-THR 3.81/../180



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 180°
- Connections at two offset levels and open access to
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 11 A



For additional articles and information, refer to eshop.weidmueller.com

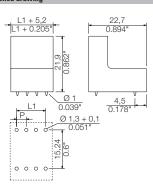
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCDV-THR 3.81/../180G

closed side







Technical data

| In compliance with IEC 60664-1 | / IFC 6198/ | ı | | |
|--------------------------------|--------------|----------|----------|------|
| Clamping range, max. | / 120 0 130- | | | |
| Solid core H05(07) V-U | | | | |
| Stranded HO7 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------------|------------|--|--|
| Coding | | Order No. | | |
| 4 | SC-SMT 3.81 KO GY BX | 1968900000 | | |
| 200 | | | | |
| , | | | | |
| Mounting scre | w | | | |
| Offer - | PTSC KA 2.2X4.5 WN1412 | 1610740000 | | |
| | | | | |
| | | | | |
| | | | | |

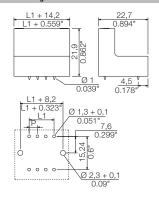
Ordering data

| ack |
|-------|
| 1CK |
| |
| No. |
| 70000 |
| 80000 |
| 90000 |
| 10000 |
| 20000 |
| 30000 |
| 40000 |
| 50000 |
| 60000 |
| 70000 |
| 80000 |
| |





Dimensioned drawing



Ordering data

| j data | | | |
|---------|-------------------------------------------------------------------------------------------------------|--------|----------------|
| length | | | 3.2 mm |
| | | | black |
| 3.81 mm | 1 | | |
| L1 | (inch) | Qty. | Order No. |
| 3.81 | 0.150 | 50 | 1035950000 |
| 7.62 | 0.300 | 50 | 1035960000 |
| 11.43 | 0.450 | 50 | 1035970000 |
| 15.24 | 0.600 | 50 | 1035980000 |
| 19.05 | 0.750 | 50 | 1035990000 |
| 22.86 | 0.900 | 50 | 1036010000 |
| 26.67 | 1.050 | 50 | 1036020000 |
| 30.48 | 1.200 | 50 | 1036030000 |
| 34.29 | 1.350 | 50 | 1036040000 |
| 38.10 | 1.500 | 50 | 1036050000 |
| 41.91 | 1.650 | 50 | 1036060000 |
| | 3.81 mm L1 3.81 7.62 11.43 15.24 19.05 22.86 26.67 30.48 34.29 38.10 | Iength | Ingh 3.81 mm |

i

Male header with plugging direction in parallel to the circuit board.

• Available in closed (G) version and with screw flange

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SC 3.81/../90G

closed side



L1 + P + 1,4 L1 + P + 0.054 9,2 Ø 1,2 + 0,1 0.047'

Technical data

| i cullilicai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 8 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------------|------------|--|--|
| Coding | | Order No. | | |
| 4 | SC-SMT 3.81 KO GY BX | 1968900000 | | |
| 200 | | | | |
| , | | | | |
| LED light guide | | | | |
| | SC 3.81 FLA 1.5/14.25 | 1979730000 | | |
| | SC 3.81 FLA 2.3/14.25 | 1979750000 | | |
| | SC 3.81 FLA 1.5/16 | 1979720000 | | |
| | SC 3.81 FLA 2.3/16 | 1979740000 | | |

Ordering data

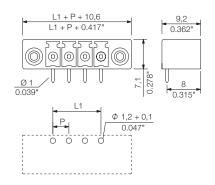
| length | | | 3.2 mm |
|---------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | orange |
| 3.81 mm | 1 | | |
| L1 | (inch) | Qty. | Order No. |
| 3.81 | 0.150 | 198 | 1942020000 |
| 7.62 | 0.300 | 138 | 1942040000 |
| 11.43 | 0.450 | 108 | 1942070000 |
| 15.24 | 0.600 | 84 | 1942090000 |
| 19.05 | 0.750 | 72 | 1942100000 |
| 22.86 | 0.900 | 60 | 1942120000 |
| 26.67 | 1.050 | 54 | 1942130000 |
| 30.48 | 1.200 | 48 | 1942140000 |
| 34.29 | 1.350 | 42 | 1942150000 |
| 38.10 | 1.500 | 42 | 1942160000 |
| 41.91 | 1.650 | 36 | 1942170000 |
| | 3.81 mm L1 3.81 7.62 11.43 15.24 19.05 22.86 26.67 30.48 34.29 38.10 | 3.81 mm L1 (inch) 3.81 0.150 7.62 0.300 11.43 0.450 15.24 0.600 19.05 0.750 22.86 0.900 26.67 1.050 30.48 1.200 34.29 1.350 38.10 1.500 | 3.81 mm L1 (inch) Qty. 3.81 0.150 198 7.62 0.300 138 11.43 0.450 108 15.24 0.600 84 19.05 0.750 72 22.86 0.900 60 26.67 1.050 54 30.48 1.200 48 34.29 1.350 42 38.10 1.500 42 |







Dimensioned drawing



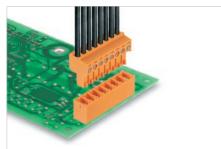
Ordering data

| Urdering | j data | | | |
|------------|---------|--------|------|------------|
| Solder pin | 3.2 mm | | | |
| Colour | | | | orange |
| Pitch | 3.81 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 96 | 1942450000 |
| 3 | 7.62 | 0.300 | 78 | 1942460000 |
| 4 | 11.43 | 0.450 | 66 | 1942470000 |
| 5 | 15.24 | 0.600 | 60 | 1942480000 |
| 6 | 19.05 | 0.750 | 54 | 1942490000 |
| 7 | 22.86 | 0.900 | 48 | 1942500000 |
| 8 | 26.67 | 1.050 | 42 | 1942510000 |
| 9 | 30.48 | 1.200 | 36 | 1942520000 |
| 10 | 34.29 | 1.350 | 36 | 1942530000 |
| 11 | 38.10 | 1.500 | 30 | 1942540000 |
| 12 | 41.91 | 1.650 | 50 | 1942550000 |

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2977770000 **Weidmüller** ₹ **J.27**

SC 3.81/../180



The 180° male header has a perpendicular plugging direction in relation to the circuit board. It is available in closed (G) and screw flange (F) versions.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

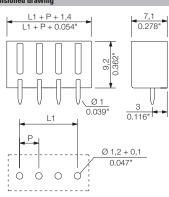
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SC 3.81/../180G

closed side







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 8 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| • | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------------|------------|--|--|
| Coding | | Order No. | | |
| | SC-SMT 3.81 KO GY BX | 1968900000 | | |
| 200 | | | | |
| , | | | | |
| Mounting scre | ew | | | |
| Offin - | PTSC KA 2.2X4.5 WN1412 | 1610740000 | | |
| | | | | |
| | | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 198 | 1942840000 |
| 3 | 7.62 | 0.300 | 138 | 1942850000 |
| 4 | 11.43 | 0.450 | 50 | 1942860000 |
| 5 | 15.24 | 0.600 | 84 | 1942870000 |
| 6 | 19.05 | 0.750 | 72 | 1942880000 |
| 7 | 22.86 | 0.900 | 60 | 1942890000 |
| 8 | 26.67 | 1.050 | 54 | 1942900000 |
| 9 | 30.48 | 1.200 | 48 | 1942910000 |
| 10 | 34.29 | 1.350 | 42 | 1942920000 |
| 11 | 38.10 | 1.500 | 42 | 1942930000 |
| 12 | 41.91 | 1.650 | 36 | 1942940000 |

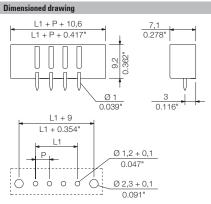


SC 3.81/../180F

with screw flange







Ordering data

| Orueilli | y uata | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 96 | 1943180000 |
| 3 | 7.62 | 0.300 | 78 | 1943190000 |
| 4 | 11.43 | 0.450 | 66 | 1943200000 |
| 5 | 15.24 | 0.600 | 60 | 1943210000 |
| 6 | 19.05 | 0.750 | 54 | 1943220000 |
| 7 | 22.86 | 0.900 | 48 | 1943230000 |
| 8 | 26.67 | 1.050 | 42 | 1943240000 |
| 9 | 30.48 | 1.200 | 36 | 1943250000 |
| 10 | 34.29 | 1.350 | 36 | 1943260000 |
| 11 | 38.10 | 1.500 | 30 | 1943270000 |
| 12 | 41.91 | 1.650 | 30 | 1943280000 |

Weidmüller ₹ J.29 2977770000

Male header with 135° plugging angle - (135° angle between the plugging direction and the solder pin). This corresponds to a 45° angle between the wire outlet and the circuit board.

• Available in Closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

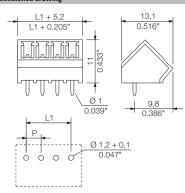
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SC 3.81/../135G

closed side







Technical data

| iccillical uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ŀ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 11 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Coding | Accessories chapter for additional access | Order No. |
|---------------------------|-------------------------------------------|------------|
| - A | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |
| , | | |

Ordering data

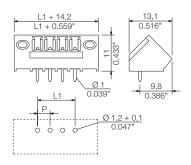
| orange |
|------------|
| |
| |
| Order No. |
| 1975720000 |
| 1975770000 |
| 1975800000 |
| 1975810000 |
| 1975880000 |
| 1975900000 |
| 1975920000 |
| 1975930000 |
| 1975940000 |
| 1975950000 |
| 1975960000 |
| |







Dimensioned drawing



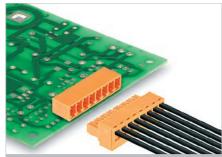
Ordering data

| uraering | j data | | | |
|------------|---------|--------|------|------------|
| Solder pin | 3.2 mm | | | |
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1976740000 |
| 3 | 7.62 | 0.300 | 50 | 1976750000 |
| 4 | 11.43 | 0.450 | 50 | 1976760000 |
| 5 | 15.24 | 0.600 | 50 | 1976770000 |
| 6 | 19.05 | 0.750 | 50 | 1976780000 |
| 7 | 22.86 | 0.900 | 50 | 1976790000 |
| 8 | 26.67 | 1.050 | 50 | 1976800000 |
| 9 | 30.48 | 1.200 | 50 | 1976810000 |
| 10 | 34.29 | 1.350 | 50 | 1976820000 |
| 11 | 38.10 | 1.500 | 50 | 1976830000 |
| 12 | 41.91 | 1.650 | 50 | 1976840000 |
| | | | | |

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2977770000 **Weidmüller ₹** J.31

SC 3.81/../270



Male header with 270° plugging angle (270° angle between the plugging direction and the solder pin). This angle has a plugging direction that is parallel to the circuit board with female plugs plugged in upside down.

• Available in closed (G) version and with screw flange

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

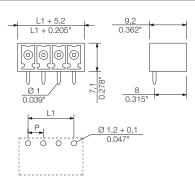
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SC 3.81/../270G

closed side







Technical data

| roommour data | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 8 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|--------|----------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 300 | | |

Ordering data

| , uutu | | | |
|---------|-------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| length | | | 3.2 mm |
| | | | orange |
| 3.81 mn | n | | |
| L1 | (inch) | Qty. | Order No. |
| 3.81 | 0.150 | 50 | 1037490000 |
| 7.62 | 0.300 | 50 | 1037510000 |
| 11.43 | 0.450 | 50 | 1037520000 |
| 15.24 | 0.600 | 50 | 1037530000 |
| 19.05 | 0.750 | 50 | 1037540000 |
| 22.86 | 0.900 | 50 | 1037550000 |
| 26.67 | 1.050 | 50 | 1037560000 |
| 30.48 | 1.200 | 50 | 1037570000 |
| 34.29 | 1.350 | 50 | 1037580000 |
| 38.10 | 1.500 | 50 | 1037590000 |
| 41.91 | 1.650 | 50 | 1037610000 |
| | 3.81 mn L1 3.81 7.62 11.43 15.24 19.05 22.86 26.67 30.48 34.29 38.10 | Iength | Section Sect |

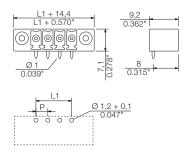
SC 3.81/../270F

with screw flange





Dimensioned drawing



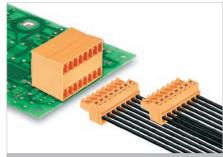
Ordering data

| uraering | j data | | | |
|-------------------|---------|--------|------|------------|
| Solder pin length | | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1038040000 |
| 3 | 7.62 | 0.300 | 50 | 1038050000 |
| 4 | 11.43 | 0.450 | 50 | 1038060000 |
| 5 | 15.24 | 0.600 | 50 | 1038070000 |
| 6 | 19.05 | 0.750 | 50 | 1038080000 |
| 7 | 22.86 | 0.900 | 50 | 1038090000 |
| 8 | 26.67 | 1.050 | 50 | 1038110000 |
| 9 | 30.48 | 1.200 | 50 | 1038130000 |
| 10 | 34.29 | 1.350 | 50 | 1038140000 |
| 11 | 38.10 | 1.500 | 50 | 1038150000 |
| 12 | 41.91 | 1.650 | 50 | 1038160000 |
| | | | | |

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2977770000 **Weidmüller № J.33**

SCD 3.81/../90



Double-level male header for wave soldering.

- Orientation: 90°
- Connections at the same level with access that is flush over the front of the board.
- Available in closed (G) version and with screw flange

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



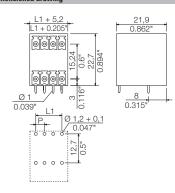
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCD 3.81/../90G

closed side





Technical data

| Toominour dutu | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 11 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | , |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | Octago | onal |
| Solder eyelet Ø = D | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

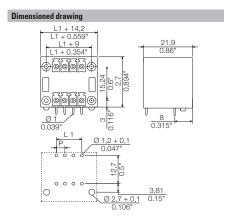
Accessories

| Coding | | Order No. |
|--------|----------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 300 | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 132 | 1972790000 |
| 6 | 7.62 | 0.300 | 92 | 1972800000 |
| 8 | 11.43 | 0.450 | 72 | 1972810000 |
| 10 | 15.24 | 0.600 | 56 | 1972820000 |
| 12 | 19.05 | 0.750 | 48 | 1972830000 |
| 14 | 22.86 | 0.900 | 40 | 1972840000 |
| 16 | 26.67 | 1.050 | 36 | 1972850000 |
| 18 | 30.48 | 1.200 | 32 | 1972860000 |
| 20 | 34.29 | 1.350 | 28 | 1972870000 |
| 22 | 38.10 | 1.500 | 24 | 1972880000 |
| 24 | 41.91 | 1.650 | 24 | 1972890000 |





Ordering data

| oraerin | g aata | | | |
|-----------|---------|--------|------|------------|
| Solder pi | 3.2 mm | | | |
| Colour | | | | orange |
| Pitch | 3.81 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 64 | 1973260000 |
| 6 | 7.62 | 0.300 | 52 | 1973270000 |
| 8 | 11.43 | 0.450 | 44 | 1973280000 |
| 10 | 15.24 | 0.600 | 40 | 1973290000 |
| 12 | 19.05 | 0.750 | 36 | 1973300000 |
| 14 | 22.86 | 0.900 | 32 | 1973310000 |
| 16 | 26.67 | 1.050 | 28 | 1973320000 |
| 18 | 30.48 | 1.200 | 24 | 1973330000 |
| 20 | 34.29 | 1.350 | 24 | 1973340000 |
| 22 | 38.10 | 1.500 | 20 | 1973350000 |
| 24 | 41.91 | 1.650 | 20 | 1973360000 |

I

Double-level male header for wave soldering.

- Outlet direction: 180°
- Available in closed (G) version and with screw flange

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



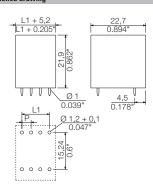
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCD 3.81/../180G

closed side





Technical data

| i ecililicai uata | | | | |
|----------------------------------|-----------|------|----------|------|
| In compliance with IEC 60664-1 / | IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | |
| Rated current | Α | 11 | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | - 1 | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|--------------|------------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |
| , | | |
| | | |
| Mounting sci | rew | |
| Mounting sci | PTSC KA 2.2X4.5 WN1412 | 1610740000 |
| Mounting sci | | 1610740000 |

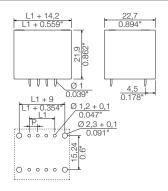
Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 132 | 1029920000 |
| 6 | 7.62 | 0.300 | 92 | 1029940000 |
| 8 | 11.43 | 0.450 | 72 | 1029950000 |
| 10 | 15.24 | 0.600 | 56 | 1029960000 |
| 12 | 19.05 | 0.750 | 48 | 1029970000 |
| 14 | 22.86 | 0.900 | 40 | 1029980000 |
| 16 | 26.67 | 1.050 | 36 | 1029990000 |
| 18 | 30.48 | 1.200 | 32 | 1030010000 |
| 20 | 34.29 | 1.350 | 28 | 1030020000 |
| 22 | 38.10 | 1.500 | 24 | 1030030000 |
| 24 | 41.91 | 1.650 | 24 | 1030040000 |





Dimensioned drawing



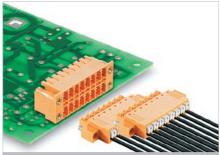
Ordering data

| Oraemi | j uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.81 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 64 | 1030440000 |
| 6 | 7.62 | 0.300 | 52 | 1030450000 |
| 8 | 11.43 | 0.450 | 44 | 1030460000 |
| 10 | 15.24 | 0.600 | 40 | 1030470000 |
| 12 | 19.05 | 0.750 | 36 | 1030480000 |
| 14 | 22.86 | 0.900 | 32 | 1030490000 |
| 16 | 26.67 | 1.050 | 28 | 1030510000 |
| 18 | 30.48 | 1.200 | 24 | 1030520000 |
| 20 | 34.29 | 1.350 | 24 | 1030530000 |
| 22 | 38.10 | 1.500 | 20 | 1030540000 |
| 24 | 41.91 | 1.650 | 20 | 1030550000 |

'n

2977770000 **Weidmüller ₹ J.37**

SCDN 3.81/../90



Compact double-level male header for wave soldering.

- For use with BCF 3.81 (PUSH IN) plugs.
- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

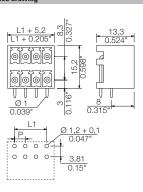
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCDN 3.81/../90G

closed side



Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Coding | Accessories chapter for additional access | Order No. |
|---------------------------|-------------------------------------------|------------|
| - A | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |
| , | | |

Ordering data

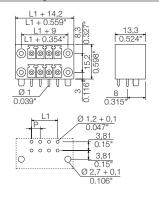
| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1040410000 |
| 6 | 7.62 | 0.300 | 50 | 1040420000 |
| 8 | 11.43 | 0.450 | 50 | 1040430000 |
| 10 | 15.24 | 0.600 | 50 | 1040440000 |
| 12 | 19.05 | 0.750 | 50 | 1040450000 |
| 14 | 22.86 | 0.900 | 50 | 1040460000 |
| 16 | 26.67 | 1.050 | 50 | 1040470000 |
| 18 | 30.48 | 1.200 | 50 | 1040490000 |
| 20 | 34.29 | 1.350 | 50 | 1040510000 |
| 22 | 38.10 | 1.500 | 50 | 1040520000 |
| 24 | 41.91 | 1.650 | 50 | 1040530000 |
| | | | | |

90°

.38 Weidmüller № 2977770000

with screw flange



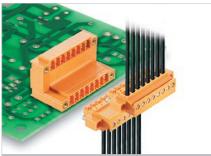


Ordering data

| oraerinį | j data | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.81 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1040960000 |
| 6 | 7.62 | 0.300 | 50 | 1040970000 |
| 8 | 11.43 | 0.450 | 50 | 1040980000 |
| 10 | 15.24 | 0.600 | 50 | 1040990000 |
| 12 | 19.05 | 0.750 | 50 | 1041000000 |
| 14 | 22.86 | 0.900 | 50 | 1041010000 |
| 16 | 26.67 | 1.050 | 50 | 1041020000 |
| 18 | 30.48 | 1.200 | 50 | 1041030000 |
| 20 | 34.29 | 1.350 | 50 | 1041040000 |
| 22 | 38.10 | 1.500 | 50 | 1041050000 |
| 24 | 41.91 | 1.650 | 50 | 1041060000 |

2977770000

SCDV 3.81/../90



Double level male header for wave soldering.

- Orientation: 90°
- Connections at two offset levels with open access to
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



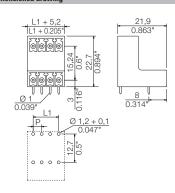
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCDV 3.81/../90G

closed side





Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | l | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | , | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | - 1 | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | Octago | onal |
| Solder eyelet Ø = D | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|--------|----------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 300 | | |

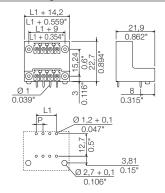
Ordering data

| Oraorini | guutu | | | |
|------------|----------|--------|------|------------|
| Solder pir | ı length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1032090000 |
| 6 | 7.62 | 0.300 | 50 | 1032110000 |
| 8 | 11.43 | 0.450 | 50 | 1032120000 |
| 10 | 15.24 | 0.600 | 50 | 1032130000 |
| 12 | 19.05 | 0.750 | 50 | 1032140000 |
| 14 | 22.86 | 0.900 | 50 | 1032150000 |
| 16 | 26.67 | 1.050 | 50 | 1032160000 |
| 18 | 30.48 | 1.200 | 50 | 1032170000 |
| 20 | 34.29 | 1.350 | 50 | 1032190000 |
| 22 | 38.10 | 1.500 | 50 | 1032200000 |
| 24 | 41.91 | 1.650 | 50 | 1032210000 |
| | | | | |

SCDV 3.81/../90F

with screw flange





Ordering data

| oraerinį | j data | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.81 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1032580000 |
| 6 | 7.62 | 0.300 | 50 | 1032590000 |
| 8 | 11.43 | 0.450 | 50 | 1032600000 |
| 10 | 15.24 | 0.600 | 50 | 1032610000 |
| 12 | 19.05 | 0.750 | 50 | 1032620000 |
| 14 | 22.86 | 0.900 | 50 | 1032630000 |
| 16 | 26.67 | 1.050 | 50 | 1032640000 |
| 18 | 30.48 | 1.200 | 50 | 1032650000 |
| 20 | 34.29 | 1.350 | 50 | 1032660000 |
| 22 | 38.10 | 1.500 | 50 | 1032670000 |
| 24 | 41.91 | 1.650 | 50 | 1032680000 |

Double-level male header for wave soldering.

- Orientation: 180°.
- Connections at two offset levels with open access to
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



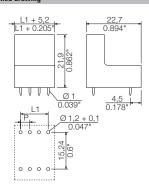
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCDV 3.81/../180G

closed side





Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 11 | | 11 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.0, | Octag | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|--------------|------------------------|------------|
| | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |
| | | |
| Mounting sci | rew | |
| an . | PTSC KA 2.2X4.5 WN1412 | 1610740000 |
| Charles To | | |
| 100 | | |

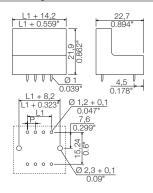
Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1034470000 |
| 6 | 7.62 | 0.300 | 50 | 1034490000 |
| 8 | 11.43 | 0.450 | 50 | 1034510000 |
| 10 | 15.24 | 0.600 | 50 | 1034520000 |
| 12 | 19.05 | 0.750 | 50 | 1034530000 |
| 14 | 22.86 | 0.900 | 50 | 1034540000 |
| 16 | 26.67 | 1.050 | 50 | 1034550000 |
| 18 | 30.48 | 1.200 | 50 | 1034560000 |
| 20 | 34.29 | 1.350 | 50 | 1034570000 |
| 22 | 38.10 | 1.500 | 50 | 1034580000 |
| 24 | 41.91 | 1.650 | 50 | 1034590000 |

with screw flange



Dimensioned drawing



Ordering data

| oraerinį | j data | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 3.81 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 3.81 | 0.150 | 50 | 1034980000 |
| 6 | 7.62 | 0.300 | 50 | 1034990000 |
| 8 | 11.43 | 0.450 | 50 | 1035010000 |
| 10 | 15.24 | 0.600 | 50 | 1035020000 |
| 12 | 19.05 | 0.750 | 50 | 1035030000 |
| 14 | 22.86 | 0.900 | 50 | 1035040000 |
| 16 | 26.67 | 1.050 | 50 | 1035050000 |
| 18 | 30.48 | 1.200 | 50 | 1035060000 |
| 20 | 34.29 | 1.350 | 50 | 1035070000 |
| 22 | 38.10 | 1.500 | 50 | 1035080000 |
| 24 | 41.91 | 1.650 | 50 | 1035090000 |

'n

2977770000 **Weidmüller 3 J.43**

SCZ 3.81/../ 180



Inverted male plug with screw connection:

- · Wire-to-wire connection with the BCZ female plug
- Board-to-wire connection with the BCL-SMT female header.
- Available in closed (G) version, screw flange (F), inverted flange (FI) and with lock and release lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to eshop.weidmueller.com

Note:

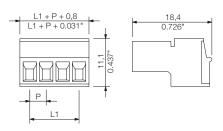
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SCZ 3.81/../180G





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|-------------|----------|------|
| Clamping range, max. | mm ² | 0 | .081. | .5 |
| Solid core H05(07) V-U | mm² | (|).21. | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | - 1 | 0.21.! | 5 |
| Flexible with ferrule | mm ² | - | 0.21.! | 5 |
| Ferrule with plastic collar | mm ² | - 1 | 0.21.! | 5 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | (|).4 x 2. | 5 |
| According to norm | | D | IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1 | |
| Overvoltage category | | III | Ш | ll l |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 2.5 2.5 | | 2.5 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 50 | |
| Rated current | Α | 11 | 11 | |
| AWG conductor | AWG | | 28-16 | |
| General data | | | | |
| Type of insulation material | | PA 66 GF 30 | | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|----------------------|------------|--|
| Coding | | Order No. | |
| | SC-SMT 3.81 KO GY BX | 1968900000 | |
| 200 | | | |
| , | | | |
| Screwdriver | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | |
| | SDIS 0.4X2.5X75 | 2749790000 | |
| / | | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1969520000 |
| 3 | 7.62 | 0.300 | 50 | 1969540000 |
| 4 | 11.43 | 0.450 | 50 | 1969560000 |
| 5 | 15.24 | 0.600 | 50 | 1969570000 |
| 6 | 19.05 | 0.750 | 50 | 1969580000 |
| 7 | 22.86 | 0.900 | 50 | 1969590000 |
| 8 | 26.67 | 1.050 | 50 | 1969610000 |
| 9 | 30.48 | 1.200 | 50 | 1969630000 |
| 10 | 34.29 | 1.350 | 50 | 1969640000 |
| 11 | 38.10 | 1.500 | 50 | 1969660000 |
| 12 | 41.91 | 1.650 | 50 | 1969670000 |
| | | | | |

°|(() **3.81**







Representative deratings curve BCL-SMT 3.81/../90 - SCZ 3.81/../180 M_285.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0

J.44 Weidmüller ₹ 2977770000

SCZ 3.81/../ 180F

SCZ 3.81/../180FI with inverted flange

SCZ 3.81/../180LR

with screw flange







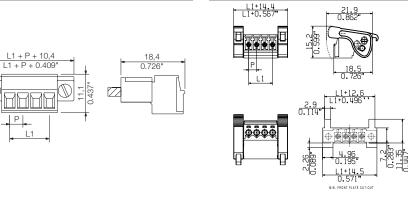


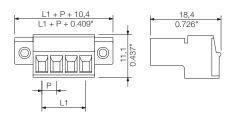
Dimensioned drawing

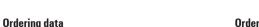


Dimensioned drawin









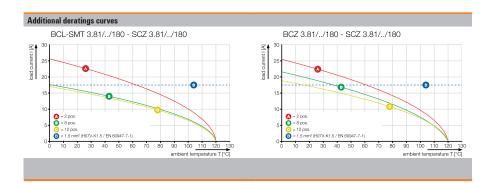
| Oracini | , aata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | orange |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1970910000 |
| 3 | 7.62 | 0.300 | 50 | 1970920000 |
| 4 | 11.43 | 0.450 | 50 | 1970930000 |
| 5 | 15.24 | 0.600 | 50 | 1970940000 |
| 6 | 19.05 | 0.750 | 50 | 1970960000 |
| 7 | 22.86 | 0.900 | 50 | 1970970000 |
| 8 | 26.67 | 1.050 | 50 | 1970980000 |
| 9 | 30.48 | 1.200 | 50 | 1970990000 |
| 10 | 34.29 | 1.350 | 50 | 1971000000 |
| 11 | 38.10 | 1.500 | 50 | 1971010000 |
| 12 | 41.91 | 1.650 | 50 | 1971020000 |

Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | orange |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1970260000 |
| 3 | 7.62 | 0.300 | 50 | 1970270000 |
| 4 | 11.43 | 0.450 | 50 | 1970310000 |
| 5 | 15.24 | 0.600 | 50 | 1970320000 |
| 6 | 19.05 | 0.750 | 50 | 1970340000 |
| 7 | 22.86 | 0.900 | 50 | 1970350000 |
| 8 | 26.67 | 1.050 | 50 | 1970360000 |
| 9 | 30.48 | 1.200 | 50 | 1970390000 |
| 10 | 34.29 | 1.350 | 50 | 1970410000 |
| 11 | 38.10 | 1.500 | 50 | 1970420000 |
| 12 | 41.91 | 1.650 | 50 | 1970430000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 2442050000 |
| 3 | 7.62 | 0.300 | 50 | 2444060000 |
| 4 | 11.43 | 0.450 | 50 | 2444090000 |
| 5 | 15.24 | 0.600 | 50 | 2444100000 |
| 6 | 19.05 | 0.750 | 50 | 2444110000 |
| 7 | 22.86 | 0.900 | 50 | 2444120000 |
| 8 | 26.67 | 1.050 | 50 | 2444130000 |
| 9 | 30.48 | 1.200 | 50 | 2444140000 |
| 10 | 34.29 | 1.350 | 50 | 2444150000 |
| 11 | 38.10 | 1.500 | 50 | 2444160000 |
| 12 | 41.91 | 1.650 | 50 | 2444170000 |



2977770000 **Weidmüller** ₹ **J.45**

SCZ 3.81/../180 ZE



Inverted male plug with screw connection and strain relief for the connected wire.

- · Wire-to-wire connection with female plugs.
- Board-to-wire connection with BCL-SMT female
- . Available in closed (G) version, screw flange (F), inverted flange (FI) and with lock and release lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to eshop.weidmueller.com

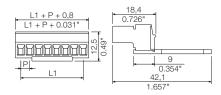
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SCZ 3.81/../180GZE

with strain relief







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | | |
|--------------------------------|-----------------|--------|----------|------|--|
| Clamping range, max. | mm ² | C | 0.081. | 5 | |
| Solid core H05(07) V-U | mm ² | | D.21.! | 5 | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21. | 5 | |
| Flexible with ferrule | mm ² | | 0.21. | 5 | |
| Ferrule with plastic collar | mm ² | | 0.21. | 5 | |
| Stripping length | mm | | 7 | | |
| Screwdriver blade | mm | (| 0.4 x 2. | 5 | |
| According to norm | | | IN 526 | 4 | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | mm ² | | 1 | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 160 | 160 | 320 | |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 | |
| UL / CUL (Use Group) | | B C D | | | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 10 | | 10 | |
| AWG conductor | AWG | | 28-16 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | 50 | | |
| Rated current | Α | 11 | 11 | | |
| AWG conductor | AWG | | 28-16 | | |
| General data | | | | | |
| Type of insulation material | | PA | 66 GF | 30 | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | 1 | |
| Material of contact surface | | tinned | | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet Ø = D | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |
| | | | | | |

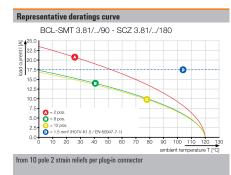
Accessories

| Coding | | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|
| 4 | SC-SMT 3.81 KO GY BX | 1968900000 |
| 200 | | |
| , | | |
| Screwdriver | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 |
| A CONTRACTOR OF THE PARTY OF TH | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 11.43 | 0.450 | 50 | 1237000000 |
| 5 | 15.24 | 0.600 | 50 | 1237010000 |
| 6 | 19.05 | 0.750 | 50 | 1237020000 |
| 7 | 22.86 | 0.900 | 50 | 1237030000 |
| 8 | 26.67 | 1.050 | 50 | 1237040000 |
| 9 | 30.48 | 1.200 | 50 | 1237070000 |
| 10 | 34.29 | 1.350 | 50 | 1237080000 |
| 11 | 38.10 | 1.500 | 50 | 1237090000 |
| 12 | 41.91 | 1.650 | 50 | 1237100000 |
| | | | | |

from 10 pole 2 strain reliefs per plug-in connector









SCZ 3.81/../180FIZE

SCZ 3.81/../180LRZE

with screw flange and strain relief





with inverted screw flange and strain relief



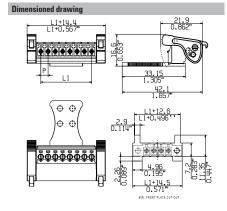
B

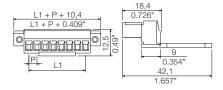
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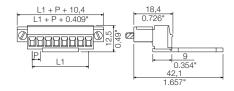


Dimensioned drawin









Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 11.43 | 0.450 | 50 | 1237120000 |
| 5 | 15.24 | 0.600 | 50 | 1237130000 |
| 6 | 19.05 | 0.750 | 50 | 1237140000 |
| 7 | 22.86 | 0.900 | 50 | 1237170000 |
| 8 | 26.67 | 1.050 | 50 | 1237180000 |
| 9 | 30.48 | 1.200 | 50 | 1237190000 |
| 10 | 34.29 | 1.350 | 50 | 1237200000 |
| 11 | 38.10 | 1.500 | 50 | 1237210000 |
| 12 | 41.91 | 1.650 | 50 | 1237220000 |

Ordering data

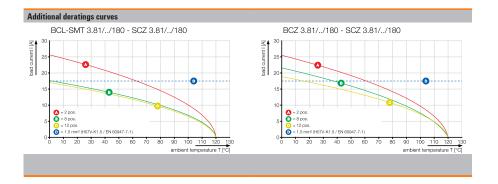
| Solder bin | iengtn | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 11.43 | 0.450 | 50 | 1237550000 |
| 5 | 15.24 | 0.600 | 50 | 1237560000 |
| 6 | 19.05 | 0.750 | 50 | 1237570000 |
| 7 | 22.86 | 0.900 | 50 | 1237580000 |
| 8 | 26.67 | 1.050 | 50 | 1237590000 |
| 9 | 30.48 | 1.200 | 50 | 1237610000 |
| 10 | 34.29 | 1.350 | 50 | 1237620000 |
| 11 | 38.10 | 1.500 | 50 | 1237630000 |
| 12 | 41.91 | 1.650 | 50 | 1237640000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 11.43 | 0.450 | 50 | 2444240000 |
| 5 | 15.24 | 0.600 | 50 | 2444220000 |
| 6 | 19.05 | 0.750 | 50 | 2444270000 |
| 7 | 22.86 | 0.900 | 50 | 2444200000 |
| 8 | 26.67 | 1.050 | 50 | 2444260000 |
| 9 | 30.48 | 1.200 | 50 | 2444230000 |
| 10 | 34.29 | 1.350 | 50 | 2444290000 |
| 11 | 38.10 | 1.500 | 50 | 2444250000 |
| 12 | 41.91 | 1.650 | 50 | 2444280000 |

from 10 pole 2 strain reliefs per plug-in connector

from 10 pole 2 strain reliefs per plug-in connector



Female plug with screw connection. Wire outlet 180° (wire is straight on to the direction of plugging).

• Available in closed version, with screw flange (F) and lock and release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 16



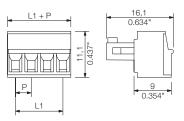
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BCZ 3.81/../180







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | | |
|--------------------------------|-----------------|-------|----------|------|--|
| Clamping range, max. | mm ² | 0 | .081. | 5 | |
| Solid core H05(07) V-U | mm ² | (|).21.! | 5 | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | (| 0.21.5 | 5 | |
| Flexible with ferrule | mm ² | (| 0.21. | 5 | |
| Ferrule with plastic collar | mm ² | (| 0.21.5 | 5 | |
| Stripping length | mm | | 7 | | |
| Screwdriver blade | mm | C |).4 x 2. | 5 | |
| According to norm | | D | IN 526 | 4 | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 17.5 | | 17 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | mm ² | | 1 | | |
| Overvoltage category | | III | Ш | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 160 | 160 | 320 | |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 | |
| UL / CUL (Use Group) | | B C D | | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 10 | | 10 | |
| AWG conductor | AWG | | 28-16 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | 50 | | |
| Rated current | Α | 8 | 8 | | |
| AWG conductor | AWG | | 28-16 | | |
| General data | | | | | |
| Type of insulation material | | PA | 66 GF | 30 | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | 1 | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet $\emptyset = D$ | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |
| | | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|--------------------------------------------------------------------|---------------------|------------|--|--|--|--|
| Hood | | Order No. | | | | |
| | BCZ 3.81 AH03 BK BX | 1005280000 | | | | |
| | BCZ 3.81 AHO4 BK BX | 1005290000 | | | | |
| | BCZ 3.81 AHO5 BK BX | 1005300000 | | | | |
| | BCZ 3.81 AH06 BK BX | 1005310000 | | | | |
| | BCZ 3.81 AHO7 BK BX | 1005320000 | | | | |
| | BCZ 3.81 AH08 BK BX | 1005330000 | | | | |
| | BCZ 3.81 AH09 BK BX | 1005340000 | | | | |
| | BCZ 3.81 AH10 BK BX | 1005350000 | | | | |
| | BCZ 3.81 AH12 BK BX | 1005370000 | | | | |
| | BCZ 3.81 AH13 BK BX | 1005380000 | | | | |
| | BCZ 3.81 AH14 BK BX | 1005390000 | | | | |
| | BCZ 3.81 AH15 BK BX | 1005400000 | | | | |
| | BCZ 3.81 AH16 BK BX | 1005410000 | | | | |
| Screwdriver | | | | | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | | | | |
| 1 | SDIS 0.4X2.5X75 | 2749790000 | | | | |
| / | | | | | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1940730000 |
| 3 | 7.62 | 0.300 | 50 | 1940740000 |
| 4 | 11.43 | 0.450 | 50 | 1940750000 |
| 5 | 15.24 | 0.600 | 50 | 1940760000 |
| 6 | 19.05 | 0.750 | 50 | 1940770000 |
| 7 | 22.86 | 0.900 | 50 | 1940780000 |
| 8 | 26.67 | 1.050 | 50 | 1940790000 |
| 9 | 30.48 | 1.200 | 50 | 1940800000 |
| 10 | 34.29 | 1.350 | 50 | 1940810000 |
| 11 | 38.10 | 1.500 | 50 | 1940820000 |
| 12 | 41.91 | 1.650 | 50 | 1940830000 |







Representative deratings curve BCZ 3.81/../180 - SC-SMT 3.81/../90

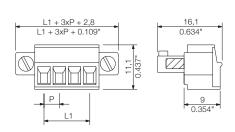
BCZ 3.81/../180LR

with screw flange

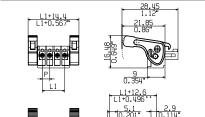


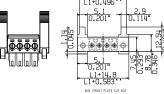










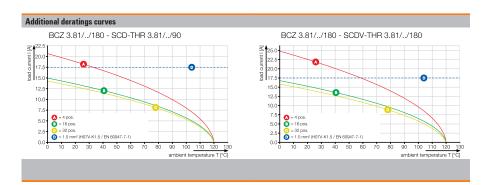


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1941010000 |
| 3 | 7.62 | 0.300 | 50 | 1941020000 |
| 4 | 11.43 | 0.450 | 50 | 1941030000 |
| 5 | 15.24 | 0.600 | 50 | 1941040000 |
| 6 | 19.05 | 0.750 | 50 | 1941050000 |
| 7 | 22.86 | 0.900 | 50 | 1941060000 |
| 8 | 26.67 | 1.050 | 50 | 1941070000 |
| 9 | 30.48 | 1.200 | 50 | 1941080000 |
| 10 | 34.29 | 1.350 | 50 | 1941090000 |
| 11 | 38.10 | 1.500 | 50 | 1941100000 |
| 12 | 41.91 | 1.650 | 50 | 1941110000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 2442360000 |
| 3 | 7.62 | 0.300 | 50 | 2442370000 |
| 4 | 11.43 | 0.450 | 50 | 2442310000 |
| 5 | 15.24 | 0.600 | 50 | 2442320000 |
| 6 | 19.05 | 0.750 | 50 | 2442330000 |
| 7 | 22.86 | 0.900 | 50 | 2442340000 |
| 8 | 26.67 | 1.050 | 50 | 2442380000 |
| 9 | 30.48 | 1.200 | 50 | 2442390000 |
| 10 | 34.29 | 1.350 | 50 | 2442400000 |
| 11 | 38.10 | 1.500 | 50 | 2442350000 |
| 12 | 41.91 | 1.650 | 50 | 2442410000 |



Weidmüller ₹ J.49 2977770000

BCZ 3.81/../180 ZE



Female plug with screw connection and strain relief for the connected wire. Wire outlet 180° (wire is straight on to the direction of plugging).

• Available in closed version, with screw flange (F) and lock and release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to eshop.weidmueller.com

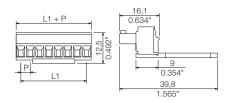
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BCZ 3.81/../180ZE

with strain relief







Technical data

| In a small and small length of the control of the c | IEC C100/ | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------|----------|------|
| In compliance with IEC 60664-1 / | | | 00 1 | - |
| Clamping range, max. | mm ² | 0.081.5 | | |
| Solid core H05(07) V-U | mm² | (|).21.! | b |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.21.5 | |
| Flexible with ferrule | mm ² | | 0.21. | |
| Ferrule with plastic collar | mm ² | (| 0.21. | 5 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | C |).4 x 2. | 5 |
| According to norm | | D | IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1 | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 50 | |
| Rated current | Α | 8 | 8 | |
| AWG conductor | AWG | | 28-16 | |
| General data | | | | |
| Type of insulation material | | PA | 66 GF | 30 |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| | | | | |

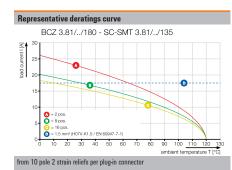
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | | | |
| A CONTRACTOR OF THE PARTY OF TH | SDIS 0.4X2.5X75 | 2749790000 | | | |
| / | | | | | |

Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | orange | |
| Pitch | 3.81 mm | ı | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 5 | 15.24 | 0.600 | 50 | 1236270000 | |
| 6 | 19.05 | 0.750 | 50 | 1236280000 | |
| 7 | 22.86 | 0.900 | 50 | 1236290000 | |
| 8 | 26.67 | 1.050 | 50 | 1236300000 | |
| 9 | 30.48 | 1.200 | 50 | 1236320000 | |
| 10 | 34.29 | 1.350 | 50 | 1236330000 | |
| 11 | 38.10 | 1.500 | 50 | 1236340000 | |
| 12 | 41.91 | 1.650 | 50 | 1236370000 | |
| | | | | | |

from 10 pole 2 strain reliefs per plug-in connector







BCZ 3.81/../180FZE

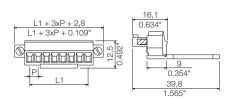
BCZ 3.81/../180LRZE

with screw flange and strain relief

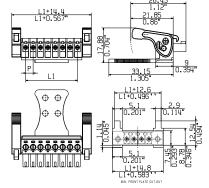












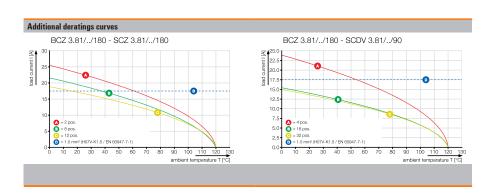
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 5 | 15.24 | 0.600 | 50 | 1236530000 |
| 6 | 19.05 | 0.750 | 50 | 1236540000 |
| 7 | 22.86 | 0.900 | 50 | 1236570000 |
| 8 | 26.67 | 1.050 | 50 | 1236590000 |
| 9 | 30.48 | 1.200 | 50 | 1236600000 |
| 10 | 34.29 | 1.350 | 50 | 1236610000 |
| 11 | 38.10 | 1.500 | 50 | 1236620000 |
| 12 | 41.91 | 1.650 | 50 | 1236630000 |

Ordering data

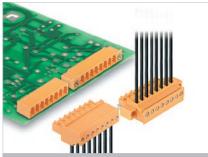
| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | orange | | |
| Pitch | 3.81 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 5 | 15.24 | 0.600 | 50 | 2442030000 | | |
| 6 | 19.05 | 0.750 | 50 | 2442260000 | | |
| 7 | 22.86 | 0.900 | 50 | 2442210000 | | |
| 8 | 26.67 | 1.050 | 50 | 2442290000 | | |
| 9 | 30.48 | 1.200 | 50 | 2442300000 | | |
| 10 | 34.29 | 1.350 | 50 | 2442240000 | | |
| 11 | 38.10 | 1.500 | 50 | 2442220000 | | |
| 12 | 41.91 | 1.650 | 50 | 2442270000 | | |

from 10 pole 2 strain reliefs per plug-in connector



Weidmüller ₹ J.51 2977770000

BCZ 3.81/../90 & 270



Female plug with screw connection.

Wire outlet direction:

- $\bullet~90^{\circ}$ wire perpendicular to plugging direction and above
- $\bullet~270^{\circ}$ wire perpendicular to plugging direction and helow
- · Available in closed version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - 16



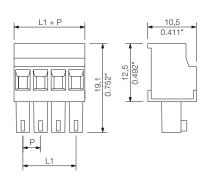
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BCZ 3.81/../90







Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | ŀ | | |
|----------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | 0 | .081. | 5 |
| Solid core HO5(07) V-U | mm² | (|).21.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | (| 0.21. | 5 |
| Flexible with ferrule | mm ² | | 0.21. | |
| Ferrule with plastic collar | mm ² | (| 0.21. | 5 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | C |).4 x 2. | 5 |
| According to norm | | D | IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1 | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 28-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 50 | |
| Rated current | Α | 8 | 8 | |
| AWG conductor | AWG | | 28-16 | |
| General data | | | | |
| Type of insulation material | | PA | 66 GF | 30 |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder evelet Ø tolerance | mm | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 0 | SDS 0.4X2.5X75 | 2749320000 | | | |
| A CONTRACTOR OF THE PARTY OF TH | SDIS 0.4X2.5X75 | 2749790000 | | | |
| / | | | | | |

Ordering data

| Solder pin length | | | | | |
|-------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| | | | orange | | |
| 3.81 mm | ı | | | | |
| L1 | (inch) | Qty. | Order No. | | |
| 3.81 | 0.150 | 50 | 1939820000 | | |
| 7.62 | 0.300 | 50 | 1939830000 | | |
| 11.43 | 0.450 | 50 | 1939840000 | | |
| 15.24 | 0.600 | 50 | 1939860000 | | |
| 19.05 | 0.750 | 50 | 1939870000 | | |
| 22.86 | 0.900 | 50 | 1939880000 | | |
| 26.67 | 1.050 | 50 | 1939890000 | | |
| 30.48 | 1.200 | 50 | 1939900000 | | |
| 34.29 | 1.350 | 50 | 1939910000 | | |
| 38.10 | 1.500 | 50 | 1939920000 | | |
| 41.91 | 1.650 | 50 | 1939930000 | | |
| | 3.81 mm L1 3.81 7.62 11.43 15.24 19.05 22.86 26.67 30.48 34.29 38.10 | 3.81 mm L1 (inch) 3.81 0.150 7.62 0.300 11.43 0.450 15.24 0.600 19.05 0.750 22.86 0.900 26.67 1.050 30.48 1.200 34.29 1.350 38.10 1.500 | 3.81 mm L1 (inch) Qty. 3.81 0.150 50 7.62 0.300 50 11.43 0.450 50 15.24 0.600 50 19.05 0.750 50 22.86 0.900 50 26.67 1.050 50 30.48 1.200 50 34.29 1.350 50 38.10 1.500 50 | | |







Representative deratings curve BCZ 3.81/../90 & /270 - SC-SMT 3.81/../135

with screw flange

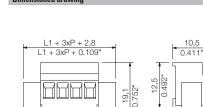


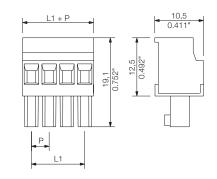


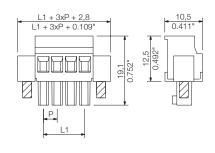




Dimensioned drawin







Ordering data

| ordornig data | | | | | |
|---------------|---------|--------|------|------------|--|
| Solder pin | length | | | | |
| Colour | | | | orange | |
| Pitch | 3.81 mn | n | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 3.81 | 0.150 | 50 | 1939980000 | |
| 3 | 7.62 | 0.300 | 50 | 1939990000 | |
| 4 | 11.43 | 0.450 | 50 | 1940000000 | |
| 5 | 15.24 | 0.600 | 50 | 1940010000 | |
| 6 | 19.05 | 0.750 | 50 | 1940020000 | |
| 7 | 22.86 | 0.900 | 50 | 1940030000 | |
| 8 | 26.67 | 1.050 | 50 | 1940040000 | |
| 9 | 30.48 | 1.200 | 50 | 1940050000 | |
| 10 | 34.29 | 1.350 | 50 | 1940060000 | |
| 11 | 38.10 | 1.500 | 50 | 1940070000 | |
| 12 | 41.91 | 1.650 | 50 | 1940080000 | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1940190000 |
| 3 | 7.62 | 0.300 | 50 | 1940200000 |
| 4 | 11.43 | 0.450 | 50 | 1940210000 |
| 5 | 15.24 | 0.600 | 50 | 1940220000 |
| 6 | 19.05 | 0.750 | 50 | 1940230000 |
| 7 | 22.86 | 0.900 | 50 | 1940240000 |
| 8 | 26.67 | 1.050 | 50 | 1940250000 |
| 9 | 30.48 | 1.200 | 50 | 1940260000 |
| 10 | 34.29 | 1.350 | 50 | 1940270000 |
| 11 | 38.10 | 1.500 | 50 | 1940280000 |
| 12 | 41.91 | 1.650 | 50 | 1940290000 |

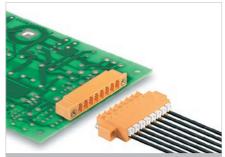
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1940460000 |
| 3 | 7.62 | 0.300 | 50 | 1940470000 |
| 4 | 11.43 | 0.450 | 50 | 1940480000 |
| 5 | 15.24 | 0.600 | 50 | 1940490000 |
| 6 | 19.05 | 0.750 | 50 | 1940500000 |
| 7 | 22.86 | 0.900 | 50 | 1940510000 |
| 8 | 26.67 | 1.050 | 50 | 1940520000 |
| 9 | 30.48 | 1.200 | 50 | 1940530000 |
| 10 | 34.29 | 1.350 | 50 | 1940540000 |
| 11 | 38.10 | 1.500 | 50 | 1940550000 |
| 12 | 41.91 | 1.650 | 50 | 1940560000 |

Additional deratings curves BCZ 3.81/../90 & /270 - SC 3.81/../135 **Tuburo population of the control of the

2977770000 **Weidmüller** ₹ **J.53**

BCF 3.81/../180



Female plug with PUSH IN wire connection.

- Simply insert the wire and it's ready.
- Integrated push-button for opening the terminal point
- High component density because of very low height, especially when combined with the compact doublelevel SCDN / SCDN-THR male header.
- Available in closed version, with screw flange (F) and lock an release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm² UL: 300 V / 10 A / AWG 26 - 16



For additional articles and information, refer to eshop.weidmueller.com

Note

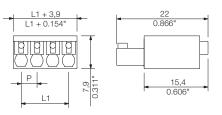
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · Rated current related to rated cross-section & min. No. of poles.
- . P on drawing = pitch
- Conductors suitable for connection: 1.5 mm² with wire-end ferrule with plastic collar, DIN 46 228/1, with a rated voltage of 125V/2.5 kV with III/3 or 250 V/2.5 kV with II/2
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Wire end ferrule without plastic collar to DIN 46228/1
- . Wire end ferrule with plastic collar to DIN 46228/4
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BCF 3.81/../180





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | ļ | | |
|------------------------------------|-----------------|-------------|----------|------|
| Clamping range, max. | mm² | (|).141. | 5 |
| Solid core H05(07) V-U | mm² | 0 | .141 | 5 |
| Stranded HO7 V-R | | | | |
| Flexible H05(07) V-K | mm ² | (|).141. | 5 |
| Flexible with ferrule | mm ² | (|).251. | 5 |
| Ferrule with plastic collar | mm ² | | 0.251 | |
| Stripping length | mm | | 9 | |
| Screwdriver blade | mm | (| 0.4 x 2. | 5 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1 | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | ٧ | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 26-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | Α | 11 | 11 | 11 |
| AWG conductor | AWG | | 26-16 | |
| General data | | | | |
| Type of insulation material | | PA 66 GF 30 | | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| i iii uiiiiciiaiviia – u | | | | |
| Solder eyelet Ø = D | | | | |

Accessories

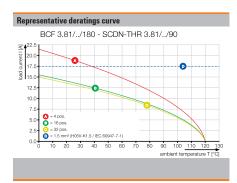
| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Screwdriver | | Order No. | | | |
| 1 | SDS 0.4X2.5X75 | 2749320000 | | | |
| 1 | SDIS 0.4X2.5X75 | 2749790000 | | | |
| / | | | | | |
| Pressing tool | | | | | |
| | PZ 6/5 | 9011460000 | | | |
| 20 | PZ 1.5 | 9005990000 | | | |
| | | | | | |

Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | orange | |
| Pitch | 3.81 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 3.81 | 0.150 | 50 | 1969090000 | |
| 3 | 7.62 | 0.300 | 50 | 1969100000 | |
| 4 | 11.43 | 0.450 | 50 | 1969110000 | |
| 5 | 15.24 | 0.600 | 50 | 1969120000 | |
| 6 | 19.05 | 0.750 | 50 | 1969130000 | |
| 7 | 22.86 | 0.900 | 50 | 1969140000 | |
| 8 | 26.67 | 1.050 | 50 | 1969150000 | |
| 9 | 30.48 | 1.200 | 50 | 1969160000 | |
| 10 | 34.29 | 1.350 | 50 | 1969170000 | |
| 11 | 38.10 | 1.500 | 50 | 1969180000 | |
| 12 | 41.91 | 1.650 | 50 | 1969190000 | |
| | | | | | |

°|(f) **3.81**





1.54 Weidmüller ₹ 2977770000

BCF 3.81/../180F

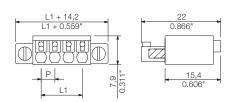
BCF 3.81/../180LR

with screw flange



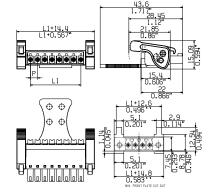










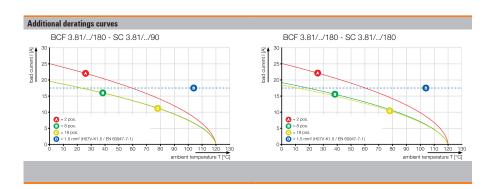


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1970300000 |
| 3 | 7.62 | 0.300 | 50 | 1970330000 |
| 4 | 11.43 | 0.450 | 50 | 1970370000 |
| 5 | 15.24 | 0.600 | 50 | 1970380000 |
| 6 | 19.05 | 0.750 | 50 | 1970400000 |
| 7 | 22.86 | 0.900 | 50 | 1970440000 |
| 8 | 26.67 | 1.050 | 50 | 1970550000 |
| 9 | 30.48 | 1.200 | 50 | 1970570000 |
| 10 | 34.29 | 1.350 | 50 | 1970580000 |
| 11 | 38.10 | 1.500 | 50 | 1970620000 |
| 12 | 41.91 | 1.650 | 50 | 1970650000 |

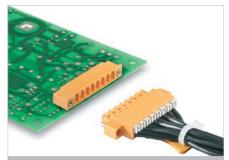
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 2442040000 |
| 3 | 7.62 | 0.300 | 50 | 2442610000 |
| 4 | 11.43 | 0.450 | 50 | 2442620000 |
| 5 | 15.24 | 0.600 | 50 | 2442630000 |
| 6 | 19.05 | 0.750 | 50 | 2442640000 |
| 7 | 22.86 | 0.900 | 50 | 2442650000 |
| 8 | 26.67 | 1.050 | 50 | 2442660000 |
| 9 | 30.48 | 1.200 | 50 | 2442670000 |
| 10 | 34.29 | 1.350 | 50 | 2442680000 |
| 11 | 38.10 | 1.500 | 50 | 2442690000 |
| 12 | 41.91 | 1.650 | 50 | 2442700000 |



Weidmüller ₹ J.55 2977770000

BCF 3.81/../180 ZE



Female plug with strain relief (ZE) for the connected wire.

- . PUSH IN wire connection method
- Simply insert the prepared wire and attach the strain relief mechanism
- Intuitive handling since the wire-entry area and handling area are clearly separated.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm² UL: 300 V / 10 A / AWG 26 - 16



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Rated current related to rated cross-section & min. No. of poles.
- . P on drawing = pitch
- Conductors suitable for connection: 1.5 mm² with wire-end ferrule with plastic collar, DIN 46 228/1, with a rated voltage of 125V/2.5 kV with III/3 or 250 V/2.5 kV with II/2
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Wire end ferrule without plastic collar to DIN 46228/1
- . Wire end ferrule with plastic collar to DIN 46228/4
- The test point can only be used as potential-pickup point.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

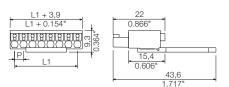
BCF 3.81/../180ZE

with strain relief





Nimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|-------------|----------|------|
| Clamping range, max. | mm ² | C | .141. | 5 |
| Solid core HO5(07) V-U | mm² | 0 | .141 | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | C | .141. | 5 |
| Flexible with ferrule | mm ² | C |).251. | 5 |
| Ferrule with plastic collar | mm ² | | 0.251 | |
| Stripping length | mm | | 9 | |
| Screwdriver blade | mm | (| 0.4 x 2. | 5 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 1 | |
| Overvoltage category | | Ш | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 26-16 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | Α | 11 | 11 | 11 |
| AWG conductor | AWG | | 26-16 | |
| General data | | | | |
| Type of insulation material | | PA 66 GF 30 | | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

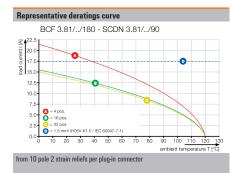
Accessories

| Note: Refer to the Acces | ssories chapter for additional access | sories. |
|--------------------------|---------------------------------------|------------|
| Screwdriver | | Order No. |
| 0 | SDS 0.4X2.5X75 | 2749320000 |
| 1 | SDIS 0.4X2.5X75 | 2749790000 |
| / | | |
| Pressing tool | | |
| | PZ 6/5 | 9011460000 |
| 300 | PZ 1.5 | 9005990000 |
| | | |
| | | |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 5 | 15.24 | 0.600 | 50 | 1235790000 |
| 6 | 19.05 | 0.750 | 50 | 1235800000 |
| 7 | 22.86 | 0.900 | 50 | 1235810000 |
| 8 | 26.67 | 1.050 | 50 | 1235820000 |
| 9 | 30.48 | 1.200 | 50 | 1235830000 |
| 10 | 34.29 | 1.350 | 50 | 1235840000 |
| 11 | 38.10 | 1.500 | 50 | 1235870000 |
| 12 | 41.91 | 1.650 | 50 | 1235880000 |
| | | | | |

from 10 pole 2 strain reliefs per plug-in connector



3.81



56 **Weidmüller ₹** 2977770000

BCF 3.81/../180FZE

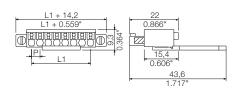
BCF 3.81/../180LRZE

with screw flange and strain relief

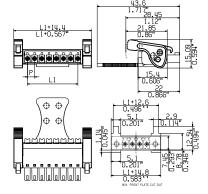












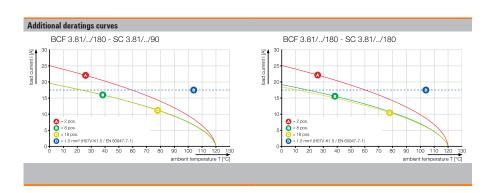
Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | orange | | |
| Pitch | 3.81 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 5 | 15.24 | 0.600 | 50 | 1235970000 | | |
| 6 | 19.05 | 0.750 | 50 | 1235980000 | | |
| 7 | 22.86 | 0.900 | 50 | 1235990000 | | |
| 8 | 26.67 | 1.050 | 50 | 1236000000 | | |
| 9 | 30.48 | 1.200 | 50 | 1236010000 | | |
| 10 | 34.29 | 1.350 | 50 | 1236020000 | | |
| 11 | 38.10 | 1.500 | 50 | 1236030000 | | |
| 12 | 41.91 | 1.650 | 50 | 1236040000 | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 5 | 15.24 | 0.600 | 50 | 2442960000 |
| 6 | 19.05 | 0.750 | 50 | 2443010000 |
| 7 | 22.86 | 0.900 | 50 | 2443060000 |
| 8 | 26.67 | 1.050 | 50 | 2443020000 |
| 9 | 30.48 | 1.200 | 50 | 2443030000 |
| 10 | 34.29 | 1.350 | 50 | 2442910000 |
| 11 | 38.10 | 1.500 | 50 | 2442920000 |
| 12 | 41.91 | 1.650 | 50 | 2443050000 |

from 10 pole 2 strain reliefs per plug-in connector



Weidmüller ₹ J.57 2977770000

BCL-SMT 3.81/../90



Inverted female headers for:

- Touch-safety on the circuit board with board-to-wire connection (with the SCZ)
- Board-to-board component connection (with SC/
- Works with reflow soldering and automatic placement.
- Orientation: 90°
- Available in closed version with screw Flange (F) and inverted solder flange (LFI).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



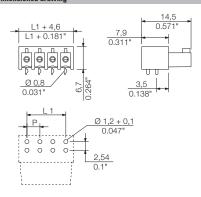
For additional articles and information, refer to eshop.weidmueller.com

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BCL-SMT 3.81/../90







Technical data

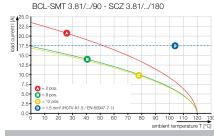
Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder pin length | | | | 1.5 mm |
|-------------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1974750000 |
| 3 | 7.62 | 0.300 | 50 | 1974770000 |
| 4 | 11.43 | 0.450 | 50 | 1974780000 |
| 5 | 15.24 | 0.600 | 50 | 1974800000 |
| 6 | 19.05 | 0.750 | 50 | 1974820000 |
| 7 | 22.86 | 0.900 | 50 | 1974840000 |
| 8 | 26.67 | 1.050 | 50 | 1974850000 |
| 9 | 30.48 | 1.200 | 50 | 1974880000 |
| 10 | 34.29 | 1.350 | 50 | 1974890000 |
| 11 | 38.10 | 1.500 | 50 | 1974910000 |
| 12 | 41.91 | 1.650 | 50 | 1974930000 |

Representative deratings curve



BCL-SMT 3.81/../90LFI

with inverted solder flange

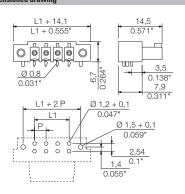


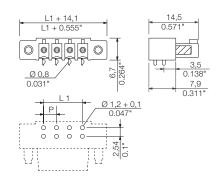
with screw flange

BCL-SMT 3.81/../90F









Ordering data

| or dorning | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | 1.5 mm | | | |
| Colour | | | | black |
| Pitch | 3.81 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1028720000 |
| 3 | 7.62 | 0.300 | 50 | 1028730000 |
| 4 | 11.43 | 0.450 | 50 | 1028740000 |
| 5 | 15.24 | 0.600 | 50 | 1028750000 |
| 6 | 19.05 | 0.750 | 50 | 1028760000 |
| 7 | 22.86 | 0.900 | 50 | 1028770000 |
| 8 | 26.67 | 1.050 | 50 | 1028790000 |
| 9 | 30.48 | 1.200 | 50 | 1028810000 |
| 10 | 34.29 | 1.350 | 50 | 1028820000 |
| 11 | 38.10 | 1.500 | 50 | 1028830000 |
| 12 | 41.91 | 1.650 | 50 | 1028840000 |

Ordering data

| Solder pin | 1.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1975690000 |
| 3 | 7.62 | 0.300 | 50 | 1975700000 |
| 4 | 11.43 | 0.450 | 50 | 1975710000 |
| 5 | 15.24 | 0.600 | 50 | 1975730000 |
| 6 | 19.05 | 0.750 | 50 | 1975740000 |
| 7 | 22.86 | 0.900 | 50 | 1975750000 |
| 8 | 26.67 | 1.050 | 50 | 1975760000 |
| 9 | 30.48 | 1.200 | 50 | 1975780000 |
| 10 | 34.29 | 1.350 | 50 | 1975790000 |
| 11 | 38.10 | 1.500 | 50 | 1975820000 |
| 12 | 41.91 | 1.650 | 50 | 1975830000 |

BCL-SMT 3.81/../180



Inverted female headers for:

- Touch-safety on the circuit board with board-to-wire (when connecting with the SCZ)
- Board-to-board component connection (with SC/
- Works with reflow soldering and automatic placement.
- Orientation: 180°
- · Available in closed version and with invertetd solder flange (LFI).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A UL: 300 V / 10 A



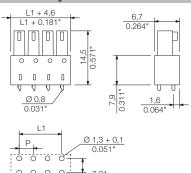
For additional articles and information, refer to eshop.weidmueller.com

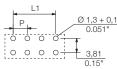
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BCL-SMT 3.81/../180









Technical data

| roommour autu | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 17.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 160 | 160 | 320 |
| Rated impulse voltage | kV | 2.5 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 50 | |
| Rated current | Α | 11 | 11 | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | , |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 0.8 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder pin length | | | | 1.5 mm |
|-------------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 3.81 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 3.81 | 0.150 | 50 | 1976490000 |
| 3 | 7.62 | 0.300 | 50 | 1976500000 |
| 4 | 11.43 | 0.450 | 50 | 1976520000 |
| 5 | 15.24 | 0.600 | 50 | 1976530000 |
| 6 | 19.05 | 0.750 | 50 | 1976550000 |
| 7 | 22.86 | 0.900 | 50 | 1976570000 |
| 8 | 26.67 | 1.050 | 50 | 1976580000 |
| 9 | 30.48 | 1.200 | 50 | 1976590000 |
| 10 | 34.29 | 1.350 | 50 | 1976610000 |
| 11 | 38.10 | 1.500 | 50 | 1976620000 |
| 12 | 41.91 | 1.650 | 50 | 1976640000 |



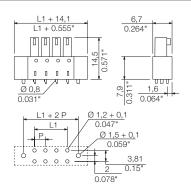
Representative deratings curve BCL-SMT 3.81/../180 - SCZ 3.81/../180

with inverted solder flange





Dimensioned drawing



Ordering data

| Ordering data | | | | | | |
|---------------|---------|--------|------|------------|--|--|
| Solder pin | 1.5 mm | | | | | |
| Colour | | | | black | | |
| Pitch | 3.81 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 3.81 | 0.150 | 50 | 1029260000 | | |
| 3 | 7.62 | 0.300 | 50 | 1029270000 | | |
| 4 | 11.43 | 0.450 | 50 | 1029280000 | | |
| 5 | 15.24 | 0.600 | 50 | 1029290000 | | |
| 6 | 19.05 | 0.750 | 50 | 1029310000 | | |
| 7 | 22.86 | 0.900 | 50 | 1029320000 | | |
| 8 | 26.67 | 1.050 | 50 | 1029330000 | | |
| 9 | 30.48 | 1.200 | 50 | 1029340000 | | |
| 10 | 34.29 | 1.350 | 50 | 1029350000 | | |
| 11 | 38.10 | 1.500 | 50 | 1029360000 | | |
| 12 | 41.91 | 1.650 | 50 | 1029370000 | | |
| | | | | | | |

'n

2977770000 **Weidmüller ₹ J.61**

П

J.62 Weidmüller ₹ 2977770000

K.50

OMNIMATE® Signal PCB connectors in 5.00 mm and 5.08 mm pitch

OMNIMATE® Signal
PCB connectors in 5.00 mm and 5.08 mm pitch

Explanation
K.14

Quick selection 5.00 mm
K.16

Product selection 5.00 mm
K.22

Product selection 5.08 mm

K

2977770000 **Weidmüller** ₹ K.1

Male header SL-SMT 5.0x HC

The connecting element in the reflow process

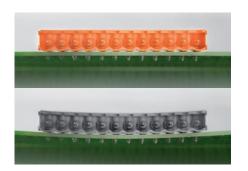
Optimised for SMT (Surface Mount Technology)

Innovative, application oriented male headers made from high temperature insulating material LCP (Liquid crystal polymer) permits seamless integration of the connections into the automated SMT production process, including reflow soldering. HC represents additional performance.

The comprehensive portfolio impresses with significant gains in efficiency in assembly production, i.e. a reduction of manufacturing costs of up to 30 %, with increased process security and proven reliability.



Using glass-fibre reinforced plastic with the SL 5.08 HC and SL-SMT 5.08 pin headers ensures a high level of dimensional stability and prevents what is known as the "banana effect" - the printedcircuit board sagging - in the soldering process.

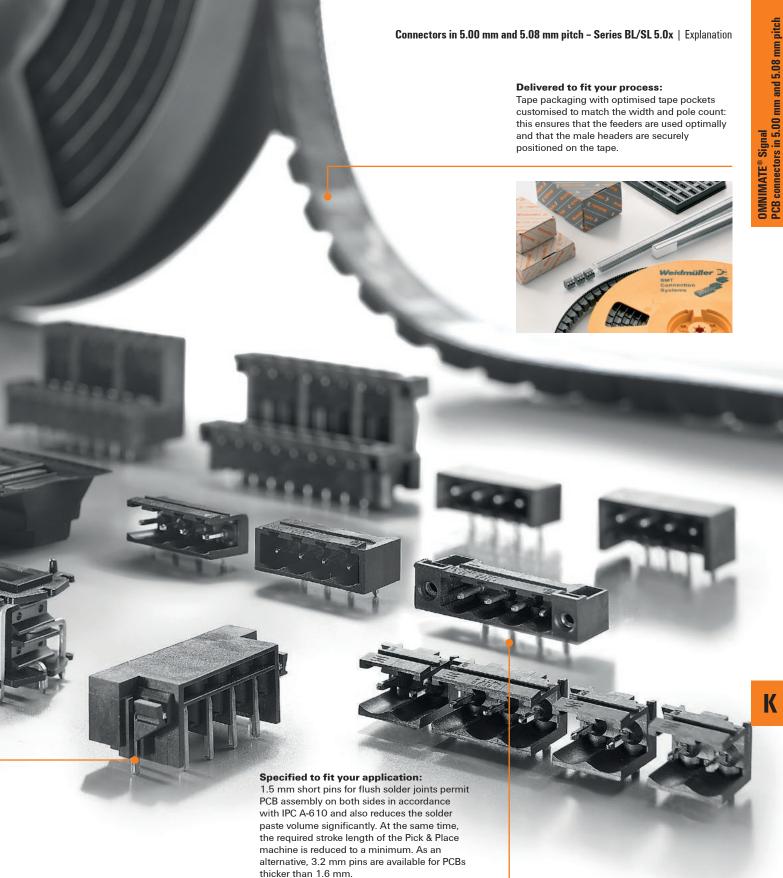


Standard-compliant fixing

More use with less effort: the soldering flange reduces 3 steps to one while protecting the soldering points from regular mechanical stress. A uniform drill hole diameter, no fixing of the fastening screw - additional fastening takes place automatically in the soldering process.









Weidmüller **₹** K.3 2977770000

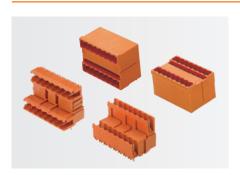
Male header SL 5.00 / SL 5.08 HC

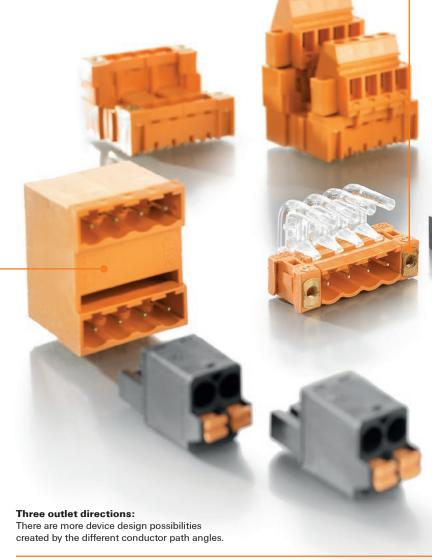
Optimised for wave soldering

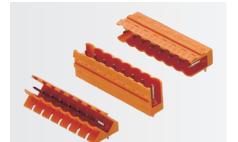
These male headers in 5.00 mm and 5.08 mm pitch with the characteristic wave design in the mating face are the standard headers used in industrial automation. This male header has already enjoyed decades of market success; it is the basis for device connection systems for both wave and manual soldering. HC represents additional performance.

Increased density for device connections:

You can maximise connection density by using double level male headers together with your choice of connection systems on the field side.



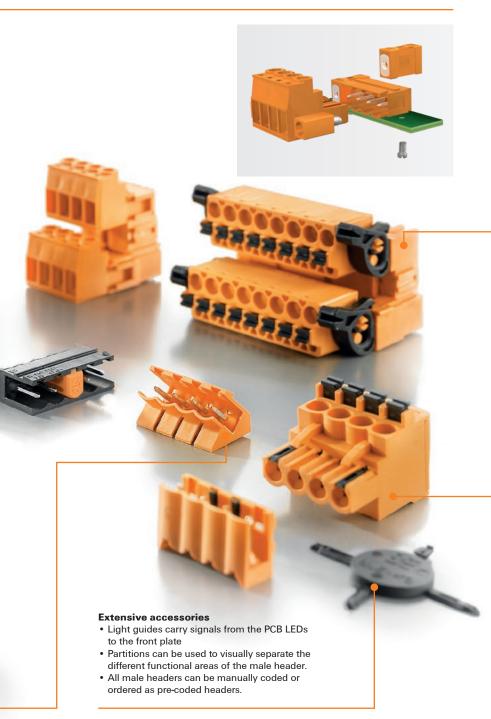




K

Safe under vibration and shock

- Vibration proof connection between male header and female plug
- The male header can also be screwed to the PCB
- Available with gold-plated surfaces



Specified to fit your assembly processGold-plated male headers have gold plating on the functional surfaces but not on the solder surfaces. This prevents contamination of the solder bath.



Integrated to fit your design

Adaptable connection system - the colour of the plug connectors fits to the device design and not the other way around.





Female plug BLZP 5.0x HC

Pluggable, universal screw connection

The BLZP is the functional extension of the BLZ series, which has proven itself on the market for decades.

The "P" in the part name stands for a "plus" in security and the "HC" a "plus" in performance during processing and usage. Resulting from this are additional customer benefits, such as a continuous function and safety chain, increased efficiency and process reliability and much more user friendly operation.



Folded steel clamping yoke

When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area. This ensures a maintenance free and durable gas-tight connection. In addition, the elastic behaviour of the clamping yoke compensates for the setting of the connected wire and any temperature induced deviations.



Hybrid contacts

The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



Safe connection - error-free wiring

The integrated "wire guard" feature prevents dangerous insertion of the wire below the clamping area and thus protects against contact or insertion errors.



Safe contacting - universal operation

The globally compatible screw head (in conformity with ISO 2880/2, ISO 8764/2-PH and ISO 8764/2-PHZ) that fits all tools - for non-positive and uncomplicated operation with common hand tools or the efficient use of power tools.



Conductor outlet direction up/down



Conductor outlet direction straight/inclined



Locking options

F = screw flange / LR = Lock & Release lever

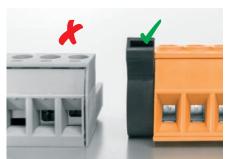


Process-compatible by default economical processing

Unpack - wire ready - connect up. Our wire-ready technology makes sure that all connecting points are completely opened when delivered, even after global transport (in conformity with ISO 13355).







Weidmüller **3**€ K.7 2977770000

Female plug BLT 5.08 HC

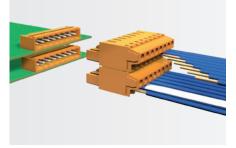
The specialist for tight installation spaces

The BLT range is the most compact TOP connection of its type available in 5.08 mm pitch. This greatly simplifies device design because the cable entry and screw are located in the same plane of the plug-in connector. With the wire connection parallel to the circuit board, the BLT is specialised for use in limited installation spaces and high packing densities. HC represents additional performance.



High component density

Normal screw terminals have a 90° angle between the directions of the cable entry and the screw. The required space must then be taken into account when designing the device. However with the TOP connection system, the directions for wire entry and clamping operations are the same.



Hybrid contacts

For every function, the best material. The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



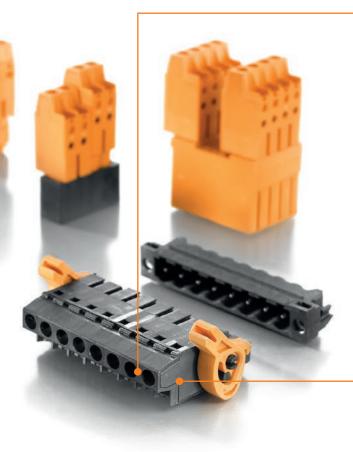
K

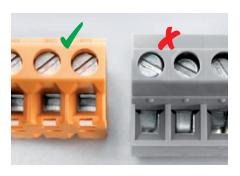
Fast, self-locking with the male header for tool-free handling. Releasing of the female plug is gentle on components.



Process-compatible by default economical processing

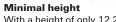
Unpack - "Wire Ready" - Connect. The "Wire Ready" technology ensures that all clamping units are fully open on delivery, even after world-wide shipping.



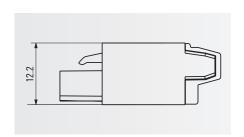


Safe to use with no-fault wiring:

The BLT's "pull effect" ensures that the connected wire is pulled in to the clamping point for a securely established contact.



With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available.





Weidmüller **3**€ K.9 2977770000

Female plug BLF 5.0x HC and BLDF 5.08

PUSH IN for fast conductor connection without any tools



The quick PUSH IN connection is now also available in pitches of 5.00 mm and 5.08 mm. The products are simple, safe and can be used in a variety of applications: The plugs are available for all wire outlet directions (90° , 180° and 270°) and also as a double connector with integrated cross-connection for bus applications.

HC represents additional performance.

The hybrid contacts used in combination with PUSH IN guarantee a vibration resistant and maintenance free connection, even under extreme conditions.

Hybrid contacts

The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



All-purpose usage

Very large clamping range from 0.2 mm² to 2.5 mm² –even when using ferrules with plastic collars



Can be tested at any time

Simplified functional testing using easily accessible diagnostic test points.



K

K.10 Weidmüller ₹ 2977770000

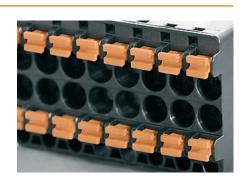
Safe to operate

Rounded edges and large, non-slip control buttons ensure user-friendly operation.

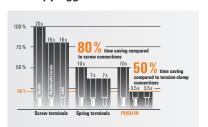


Extremely durable

The integrated cross-connector is designed for a low voltage drop and allows a powerful 22 A bus power which can supply a high number of notes in the bus system.



Directly plugged in



Simply fast

PUSH IN: tool-free connections of pre-prepared wires into the wire-entry funnel. www.PUSH-IN.com



Simple and self-explanatory

Intuitive opening of the terminal point using conspicuous push buttons.





A stainless steel cage enclosure prevents subsidence in the contact area. To prevent any drop in clamping force plastic parts were deliberately not used.



Weidmüller ₹ K.11

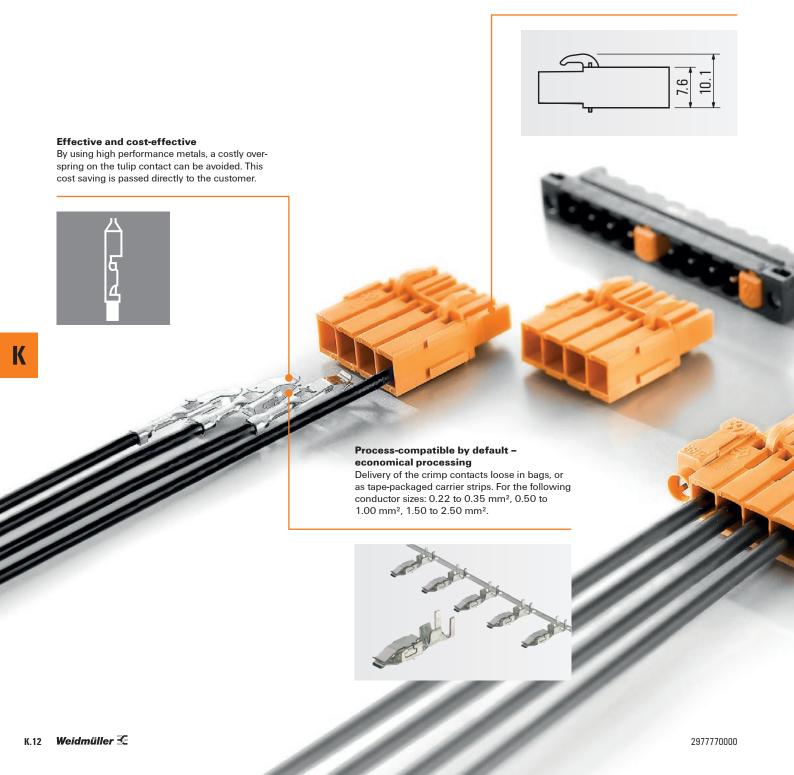
Female plug BLC 5.08

Cost effective and pre-assembled using a crimp connection

The BLC product family with crimp connections provides an affordable solution with pre-assembled female plugs that is also appropriate for large batch jobs. The contacts can be crimped by using hand tools or with a crimping machine in the factory when producing large batches.

Minimal height

With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available



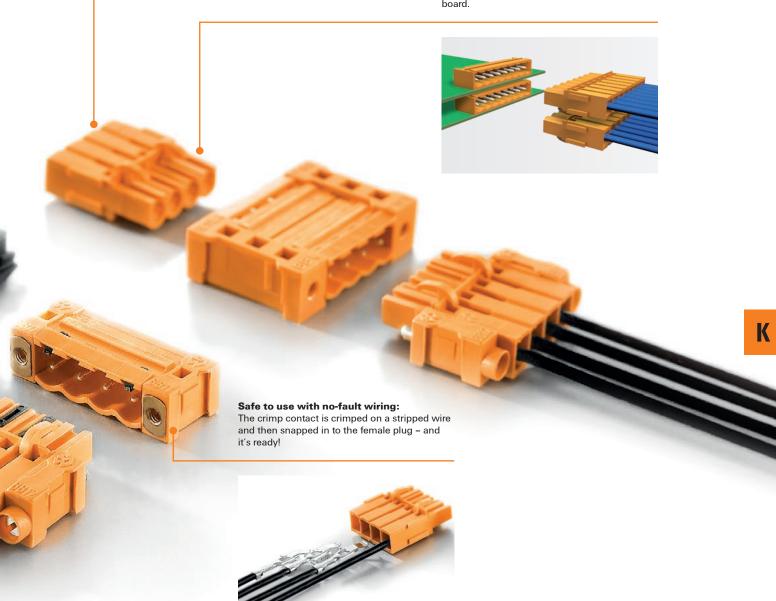
Flexible for a variety of applications

Affordable machine crimping or with hand tools in the field.



High component density

Screw terminals have a 90° angle between the directions of the cable entry and the screw. The required space must then be taken into account when designing the device. In the crimp connector system, however, the conductor insertion and operation is parallel to the circuit hoard



= Board-to-Board

= Wire-to-Wire

= Board-to-Wire



SL

135°

(0)/B

IEC: 400 V/17 A

UL: 300 V/15 A

BL/SL 5.00 series

Туре



Orientation

Flange options

IEC / UL



Levels



SL

90°

(0)/B

IEC: 400 V/18 A

UL: 300 V/15 A











IEC: 400 V/15.5 A/0.2 - 4 mm²

UL: 300 V/10 A/AWG 26 - 12



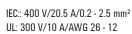


Female plug





BLZP HC 270° (G)/F/LR









BLF HC 90° (G)/F/LR IEC:: 400 V/20 A/ 0.2 - 2.5 mm² UL: 300 V/10 A/ AWG 26 - 12





Female plug and header:

(G)*= Closed (without flange)

F = Flange with screw

LR = Lock & Release lever

HC = High current

Male header and plug:

(0)* = open

 ${f B}$ = Dovetail for fixing blocks with a nut

 \mathbf{G} = closed

F = Screw flange with nut

LF = Solder flange with nut

GLF = closed with additional solder flange

 ${f FLF} = {f Flange}$ with nut and additional solder flange

HC = High current

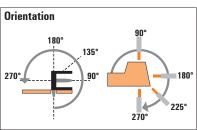
^{*} not included in the article description

Male header Solder connection Reflow solder connection

| 1 | 2 | 2 | 1 | | • | 1 | 2 |
|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|-----------------------------------|
| SL | SLD | SLD | SL-SMT HC | SL-SMT HC | SL-SMarT HC | SL-SMarT HC | SLDV-THR |
| 180° | 90° | 180° | 90° | 180° | 90° | 180° | 180° |
| (O)/B | G | G | (0)/G/LF | (0)/G/LF | (0) | (0) | G/GLF/F/FLF |
| IEC: 400 V/18 A UL: 300 V/15 A | IEC: 400 V/11 A UL: 300 V/10 A | IEC: 400 V/11 A UL: 300 V/10 A | IEC: 400 V/19 A UL: 300 V/15 A | IEC: 400 V/19 A UL: 300 V/15 A | IEC: 400 V/16.5 A UL: 300 V/15 A | IEC: 400 V/16.5 A UL: 300 V/15 A | IEC: 400 V/15 A UL: 300 V/10 A |
| 0 | 0 | 0 | \circ | 0 | \circ | 0 | |
| 0 | | | \circ | 0 | \circ | 0 | \circ |
| 0 | | | \circ | 0 | \bigcirc | 0 | |
| 0 | 0 | 0 | | 0 | \circ | 0 | \circ |
| 0 | | | | 0 | | 0 | \bigcirc |

http://www.OMNIMATE.net









BL/SL 5.08 series, Part 1 of 3



| in asy | (2000) | | Туре | | | | SL HC | SL HC | |
|---------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|-----------------|---------------------------------------------------------------------------|-----------------------------------|-----------------------------------|--|
| | | | 1 | Orienta | ition | | 90° | 180° | |
| 到是 | | | | | Flange opti | ons | (0)/G/B/F/LF | (0)/G/B/F/LF | |
| | | | | | | IEC / UL | IEC: 400 V/24 A UL: 300 V/15 A | IEC: 400 V/24 A UL: 300 V/16 A | |
| | Clamping yoke | The state of the s | BLZP HC | 180° | (G)/F/LR | IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12 | 0 | 0 | |
| | | | BLZP HC | 90° | (G)/F/LR | IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12 | 0 | 0 | |
| gu! | | ELLE TO | BLZP HC | 270° | (G)/F/LR | IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12 | 0 | 0 | |
| Female plug | | ELECT ! | BLZP HC | 225° | (G)/F/LR | IEC: 400 V/17.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12 | 0 | 0 | |
| | TOP | | BLT HC | 180° | (G)/F/ LR/DF | IEC: 400 V/17 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 14 | 0 | 0 | |
| | Clamping yoke (twin connector) | T. S. | BLZ QV | 180° | (G) | IEC: 400 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14 | 0 | 0 | |
| Female header | Solder | | BLL | 90° | (G)/FI | IEC: 400 V/23 A UL: 300 V/15 A | • | • | |
| Female | connection | | BLL | 180° | (G)/B | IEC: 400 V/23 A UL: 300 V/15 A | • | • | |

Female plug and header:

- (**G**)*= Closed (without flange)
- **F** = Flange with screw
- **DF** = Implementation
- LR = Lock & Release lever
- ${f B}\,=\,$ Dovetail for fixing blocks with a nut
- FI = Inverted flange with nut
- HC = High current

Levels

 $\ensuremath{^\star}$ not included in the article description

| | Male hea | der | | | | |
|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|
| | Solder co | Rei | I I I I THR I I I I I I I I I I I I I I I I I I I | ion | | |
| | | | | Anna de la constante de la con | | CHARLES |
| | 2 | | 01 5 11 | | 1 | a. a |
| SLD 90° | SLD 180° | SLDV 90° | SLDV 180° | SL-SMT HC 90° | SL-SMT HC 180° | SL-SMT HC 270° |
| G | G | (0)/B | (0)/B | (0)/G/F/LF | (0)/G/F/LF | G/LF |
| IEC: 400 V/11 A UL: 300 V/10 A | IEC: 400 V/14 A UL: 300 V/10 A | IEC: 400 V/17 A UL: 300 V/10 A | IEC: 400 V/17 A UL: 300 V/10 A | IEC: 400 V/19 A UL: 300 V/15 A | IEC: 400 V/19 A UL: 300 V/15 A | IEC: 400 V/19 A UL: 300 V/15 A |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | \circ | 0 |
| | | | | 0 | 0 | 0 |
| 0 | 0 | | | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| • | • | • | • | • | • | • |
| • | • | • | • | | • | • |

Male header and plug:

(0)* = open
B = Dovetail for fixing blocks with a nut

G = closed

F = Screw flange with nut

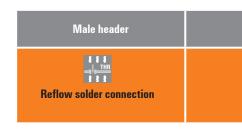
LF = Solder flange with nut

DF = Implementation

HC = High current

* not included in the article description

http://www.OMNIMATE.net Orientation = Wire-to-Board 135° = Board-to-Board = Wire-to-Wire = Board-to-Wire





BL/SL 5.08 series Part 2 of 3

| | | Levels | ; 2 | |
|------|-------------|----------|-----------------|--|
| Туре | | | SLDV-THR | |
| | Orientation | | 180° | |
| | Flange opt | ions | G/FLF | |
| | · | IEC / UL | IEC: 400 V/15 A | |
| | | | UL: 300 V/10 A | |
| | | | | |

| | Clamping yoke | A CONTRACTOR OF THE PARTY OF TH | BLZP HC | 180° | (G)/F/LR | IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12 | \bigcirc |
|-------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|-----------------|---------------------------------------------------------------------------|------------|
| | | | BLZP HC | 90° | (G)/F/LR | IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12 | \circ |
| lug | | A CONTRACTOR OF THE PARTY OF TH | BLZP HC | 270° | (G)/F/LR | IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12 | |
| Female plug | | ETTE STATE OF THE PERSON OF TH | BLZP HC | 225° | (G)/F/LR | IEC: 400 V/17.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12 | |
| | ТОР | | BLT HC | 180° | (G)/F/ LR/DF | IEC: 400 V/17 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 14 | \circ |
| | Clamping yoke (twin connector) | | BLZ QV | 180° | (G) | IEC: 400 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14 | 0 |
| header | Solder | | BLL | 90° | (G)/FI | IEC: 400 V/23 A UL: 300 V/15 A | |

IEC: 400 V/23 A

UL: 300 V/15 A

Female plug and header:

connection

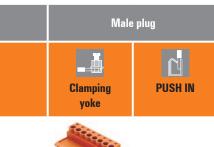
(G)*= Closed (without flange)

BLL

- **F** = Flange with screw
- **DF** = Implementation
- LR = Lock & Release lever

180° (G)/B

- ${f B}\,=\,$ Dovetail for fixing blocks with a nut
- FI = Inverted flange with nut
- **HC** = High current
- $\ensuremath{^\star}$ not included in the article description







| 1 | 1 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| SLS | SLF |
| 180° | 180° |
| (0)/B/F/FI/DF | (0)/B/F/FI/DF |
| IEC: 400 V/21.5 A/ 0.2 - 2.5 mm ² UL: 300 V/15 A/ AWG 26 - 12 | IEC: 400 V/21.5 A/ 0.2 - 2.5 mm ² UL: 300 V/15 A/ AWG 26 - 12 |
| • | • |
| • | • |
| • | • |
| • | • |
| • | • |
| | |
| • | • |
| • | • |

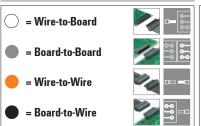
Male header and plug:

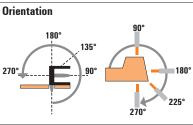
- (0)* = open
 B = Dovetail for fixing blocks with a nut
 - G = closed

- F = Screw flange with nut
- **LF** = Solder flange with nutr
- **DF** = Implementation

* not included in the article description

http://www.OMNIMATE.net







BL/SL 5.08 series Part 3 of 3



PUSH IN

PUSH IN (twin connector)

Crimp

| es F | Part 3 of 3 | | | | Levels | | 1 | |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|-----------------|-----------------------------------------------------------------------------|--------------|-----------------------------------|--|
| | | Туре | | | | SL HC | SL HC | |
| | | | Orientati | on | | 90° | 180° | |
| | | | | Flange options | | (0)/G/B/F/LF | (0)/G/B/F/LF | |
| | | | | , | IEC / UL | | IEC: 400 V/24 A UL: 300 V/16 A | |
| | mun | BLF HC | 180° | (G)/F/ LR/DF | IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26 | 0 | 0 | |
| | | BLF HC | 90° | (G)/F/LR | IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26 | 0 | | |
| | The state of the s | BLF HC | 270° | (G)/F/LR | IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26 | 0 | | |
|) | | BLDF | 180° | (G)/F/LR | IEC: 400 V/26.1 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26-12 | 0 | 0 | |
| | | BLC | 180° | (G)/B | IEC: 400 V/21 A UL: 300 V/10 A | 0 | 0 | |



(G)*= Closed (without flange)

F = Flange with screw

LR = Lock & Release lever

DF = Implementation

B = Dovetail for fixing blocks with a nut

HC = High current



^{*} not included in the article description

| Male header | | | | | | | | | Male plug |
|-------------|---------------|---------|-------|-----------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| , | Solder connec | tion | | | | Reflow solde | er connection | | PUSH IN |
| | | | T. | | The same | | cuscus | | The state of the s |
| | | | | 3 | | The same of the sa | | | |
| | | 2 | 2 | | | 1 | | 2 | 1 |
| | SLD | SLD | SLDV | SLDV | SL-SMT HC | SL-SMT HC | SL-SMT HC | SLDV-THR | SLF |
| | 90° | 180° | 90° | 180° | 90° | 180° | 270° | 180° | 180° |
| | G | G | (0)/B | (0)/B | (0)/G/F/LF | (0)/G/F/LF | G/LF | G/FLF | B/F/FI/DF |
| | | | | IEC: 400 V/17 A UL: 300 V/10 A | | | | IEC: 400 V/15 A UL: 300 V/10 A | IEC: 400 V/21.5 A/ 0.2 - 2.5 mm ² UL: 300 V/15 A/ AWG 26 - 12 |
| | 0 | \circ | 0 | \circ | 0 | \circ | 0 | \circ | • |
| | | | 0 | \circ | 0 | \circ | 0 | \bigcirc | • |
| | | | | | 0 | \circ | 0 | | • |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | • |
| | | \circ | | \circ | | \circ | 0 | \bigcirc | • |

Male header and plug:

(0)* = open

B = Dovetail for fixing blocks with a nut

G = closed

F = Screw flange with nut

LF = Solder flange with nut
FLF = Flange with nut and additional solder flange

HC = High current

* not included in the article description

SL-SMT 5.00HC/../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- · Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tapeon-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

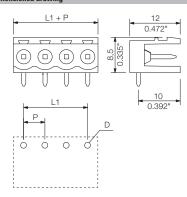
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter $D = 1.5 \pm 0.1$ mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.00HC/../90 Box

Packaged in box







Technical data

| iooiiiiioui uutu | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 15 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| i ili ulliloliolio – u | 111111 | | | |
| Solder eyelet Ø = D | mm | | 1.4 | |

Accessories

| o " | | 0 1 11 |
|-----------------|-----------------|------------|
| Coding | | Order No. |
| 55 TO 100 | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| - | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| LED light guide | | |
| | SL FLA 1.5/1 | 1580100000 |
| - | SL FLA 2,3/1 | 1636670000 |
| 100 | SL FLA 2,3/24 | 1636680000 |
| -43 | SL FLA 3.8/1 | 1580110000 |
| - | SL FLA 9.0/1 | 1580120000 |

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1839890000 |
| 3 | 10.00 | 0.394 | 100 | 1839900000 |
| 4 | 15.00 | 0.591 | 100 | 1839910000 |
| 5 | 20.00 | 0.787 | 50 | 1839920000 |
| 6 | 25.00 | 0.984 | 50 | 1839930000 |
| 7 | 30.00 | 1.181 | 50 | 1839940000 |
| 8 | 35.00 | 1.378 | 50 | 1839950000 |
| 9 | 40.00 | 1.575 | 50 | 1839960000 |
| 10 | 45.00 | 1.772 | 50 | 1839970000 |
| 11 | 50.00 | 1.969 | 50 | 1839980000 |
| 12 | 55.00 | 2.165 | 50 | 1839990000 |

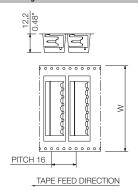
SL-SMT 5.00HC/../90 Tape

Tape-on-reel





Dimensioned drawing



Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 350 | 1797620000 |
| 3 | 10.00 | 0.394 | 350 | 1797630000 |
| 4 | 15.00 | 0.591 | 350 | 1797640000 |
| 5 | 20.00 | 0.787 | 350 | 1797650000 |
| 6 | 25.00 | 0.984 | 350 | 1797660000 |
| 7 | 30.00 | 1.181 | 350 | 1797670000 |
| 8 | 35.00 | 1.378 | 350 | 1797680000 |

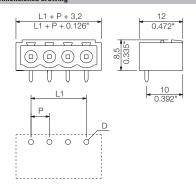
SL-SMT 5.00HC/../90G Box

Packaged in box





Dimensioned drawin



Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1840120000 |
| 3 | 10.00 | 0.394 | 100 | 1840130000 |
| 4 | 15.00 | 0.591 | 100 | 1840140000 |
| 5 | 20.00 | 0.787 | 50 | 1840150000 |
| 6 | 25.00 | 0.984 | 50 | 1840160000 |
| 7 | 30.00 | 1.181 | 50 | 1840170000 |
| 8 | 35.00 | 1.378 | 50 | 1840180000 |
| 9 | 40.00 | 1.575 | 50 | 1840190000 |
| 10 | 45.00 | 1.772 | 50 | 1840200000 |
| 11 | 50.00 | 1.969 | 50 | 1840210000 |
| 12 | 55.00 | 2.165 | 50 | 1840220000 |

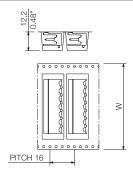
SL-SMT 5.00HC/../90G Tape

Tape-on-reel





Dimensioned drawin



TAPE FEED DIRECTION

Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 350 | 1797690000 |
| 3 | 10.00 | 0.394 | 350 | 1797700000 |
| 4 | 15.00 | 0.591 | 350 | 1797710000 |
| 5 | 20.00 | 0.787 | 350 | 1797720000 |
| 6 | 25.00 | 0.984 | 350 | 1797730000 |
| 7 | 30.00 | 1.181 | 350 | 1797740000 |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88



SL-SMT 5.00HC/../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- · Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tapeon-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

Note

- Gold-plated contact surfaces on request
- \bullet Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

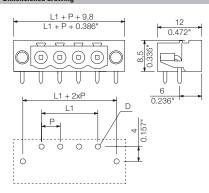
SL-SMT 5.00HC/../90LF Box

Packaged in box; with solder flange





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 15 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.5 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| o " | | 0 1 11 |
|-----------------|-----------------|------------|
| Coding | | Order No. |
| 55 TO 100 | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| - | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| LED light guide | | |
| | SL FLA 1.5/1 | 1580100000 |
| - | SL FLA 2,3/1 | 1636670000 |
| 100 | SL FLA 2,3/24 | 1636680000 |
| -43 | SL FLA 3.8/1 | 1580110000 |
| - | SL FLA 9.0/1 | 1580120000 |

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1840350000 |
| 3 | 10.00 | 0.394 | 72 | 1840360000 |
| 4 | 15.00 | 0.591 | 60 | 1840370000 |
| 5 | 20.00 | 0.787 | 48 | 1840380000 |
| 6 | 25.00 | 0.984 | 42 | 1840390000 |
| 7 | 30.00 | 1.181 | 42 | 1840400000 |
| 8 | 35.00 | 1.378 | 36 | 1840410000 |
| 9 | 40.00 | 1.575 | 30 | 1840420000 |
| 10 | 45.00 | 1.772 | 30 | 1840430000 |
| 11 | 50.00 | 1.969 | 24 | 1840440000 |
| 12 | 55.00 | 2.165 | 24 | 1840450000 |
| | | | | |

°|(() **5.00**

5.00

K.24 Weidmüller ₹ 2977770000

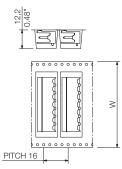
SL-SMT 5.00HC/../90LF Tape

Tape-on-reel; with solder flange





Dimensioned drawing



TAPE FEED DIRECTION

Ordering data

| Solder pin | length | | | 1.5 mm | | | |
|------------|---------|--------|------|------------|--|--|--|
| Colour | | | | black | | | |
| Pitch | 5.00 mm | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 2 | 5.00 | 0.197 | 350 | 1797750000 | | | |
| 3 | 10.00 | 0.394 | 350 | 1797760000 | | | |
| 4 | 15.00 | 0.591 | 350 | 1797770000 | | | |
| 5 | 20.00 | 0.787 | 350 | 1797780000 | | | |
| 6 | 25.00 | 0.984 | 350 | 1797790000 | | | |

Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers.

The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.

The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header.

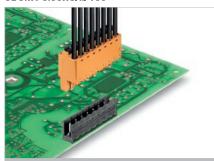
This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Tape widths: 32, 44, 56, 72, 88

K

SL-SMT 5.00HC/../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tapeon-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

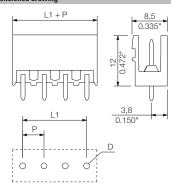
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.00HC/../180 Box

Packaged in box







Technical data

| In compliance with IEC 60664-1 | / IFC C100/ | | | |
|---------------------------------------|--------------|--------------|----------|------|
| Clamping range, max. | / IEG 0 1984 | | | |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible HOS(07) V-K | | | | |
| Ferrule with plastic collar | | | | |
| | | | | |
| Stripping length Screwdriver blade | mm | | | |
| | 111111 | | | |
| According to norm | | | | |
| Tightening torque range | Δ | 27.5 | | 24 |
| Rated current, max. | А | 21. 5 | | 40°0 |
| At ambient temperature | | 20°C | | 401 |
| For conductor cross-section | | Ш | Ш | п |
| Overvoltage category | | | | |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | ., | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | A | 18.5 | | 10 |
| AWG conductor | AWG | _ | - | _ |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | A | 15 | | 15 |
| AWG conductor | AWG | | - | |
| General data | | | 100.05 | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|------------|----------------------|--------------------------|
| es (tores) | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| Spacer | | |
| Spacer | SL AT OR | 1598300000 |
| Spacer - | SL AT OR SL AT SW | 1598300000 1770240000 |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1840920000 |
| 3 | 10.00 | 0.394 | 100 | 1840930000 |
| 4 | 15.00 | 0.591 | 100 | 1840940000 |
| 5 | 20.00 | 0.787 | 50 | 1840950000 |
| 6 | 25.00 | 0.984 | 50 | 1840960000 |
| 7 | 30.00 | 1.181 | 50 | 1840970000 |
| 8 | 35.00 | 1.378 | 50 | 1840980000 |
| 9 | 40.00 | 1.575 | 50 | 1840990000 |
| 10 | 45.00 | 1.772 | 50 | 1841000000 |
| 11 | 50.00 | 1.969 | 50 | 1841020000 |
| 12 | 55.00 | 2.165 | 50 | 1841030000 |
| | | | | |





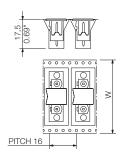
SL-SMT 5.00HC/../180 Tape

Tape-on-reel





Nimensioned drawing



TAPE FEED DIRECTION

Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 250 | 1797800000 |
| 3 | 10.00 | 0.394 | 250 | 1797810000 |
| 4 | 15.00 | 0.591 | 250 | 1797820000 |
| 5 | 20.00 | 0.787 | 250 | 1797830000 |
| 6 | 25.00 | 0.984 | 250 | 1797840000 |
| 7 | 30.00 | 1.181 | 250 | 1797850000 |
| 8 | 35.00 | 1.378 | 250 | 1797860000 |
| | | | | |

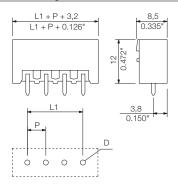
SL-SMT 5.00HC/../180G Box

Packaged in box





Dimensioned drawin



Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1841160000 |
| 3 | 10.00 | 0.394 | 100 | 1841170000 |
| 4 | 15.00 | 0.591 | 100 | 1841180000 |
| 5 | 20.00 | 0.787 | 50 | 1841190000 |
| 6 | 25.00 | 0.984 | 50 | 1841200000 |
| 7 | 30.00 | 1.181 | 50 | 1841210000 |
| 8 | 35.00 | 1.378 | 50 | 1841220000 |
| 9 | 40.00 | 1.575 | 50 | 1841230000 |
| 10 | 45.00 | 1.772 | 50 | 1841240000 |
| 11 | 50.00 | 1.969 | 50 | 1841250000 |
| 12 | 55.00 | 2.165 | 50 | 1841260000 |

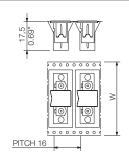
SL-SMT 5.00HC/../180G Tape

Tape-on-reel





Dimensioned drawin



TAPE FEED DIRECTION

Ordering data

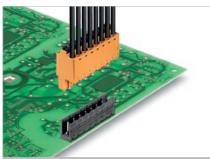
| Solder pir | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 250 | 1797870000 |
| 3 | 10.00 | 0.394 | 250 | 1797880000 |
| 4 | 15.00 | 0.591 | 250 | 1797890000 |
| 5 | 20.00 | 0.787 | 250 | 1797900000 |
| 6 | 25.00 | 0.984 | 250 | 1797910000 |
| 7 | 30.00 | 1.181 | 250 | 1797920000 |
| 8 | 35.00 | 1.378 | 205 | 1110720000 |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88



SL-SMT 5.00HC/../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tapeon-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Gold-plated contact surfaces on request
- \bullet Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

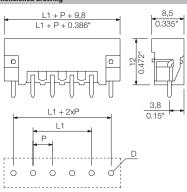
SL-SMT 5.00HC/../180LF Box

Packaged in box; with solder flange





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 15 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | 4.0 | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.5 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|
| Coding | | Order No. | |
| se Osney | BLZ/SL KO OR BX | 1573010000 | |
| | BLZ/SL KO BK BX | 1545710000 | |
| | | | |
| Spacer | | | |
| - | SL AT OR | 1598300000 | |
| | SL AT SW | 1770240000 | |
| | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1841390000 |
| 3 | 10.00 | 0.394 | 72 | 1841400000 |
| 4 | 15.00 | 0.591 | 60 | 1841410000 |
| 5 | 20.00 | 0.787 | 54 | 1841420000 |
| 6 | 25.00 | 0.984 | 42 | 1841430000 |
| 7 | 30.00 | 1.181 | 42 | 1841440000 |
| 8 | 35.00 | 1.378 | 36 | 1841450000 |
| 9 | 40.00 | 1.575 | 30 | 1841460000 |
| 10 | 45.00 | 1.772 | 30 | 1841470000 |
| 11 | 50.00 | 1.969 | 24 | 1841480000 |
| 12 | 55.00 | 2.165 | 24 | 1841490000 |
| | | | | |



180°

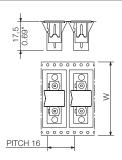
SL-SMT 5.00HC/../180LF Tape

Tape-on-reel; with solder flange





Dimensioned drawing



TAPE FEED DIRECTION

Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.

The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



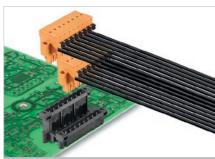
Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 250 | 1797930000 |
| 3 | 10.00 | 0.394 | 250 | 1797940000 |
| 4 | 15.00 | 0.591 | 250 | 1797950000 |
| 5 | 20.00 | 0.787 | 250 | 1797960000 |
| 6 | 25.00 | 0.984 | 250 | 1797970000 |

Tape widths: 32, 44, 56, 72, 88

K

SLDV-THR 5.00/../180



Double-level, 180° male header, optimised for the SMT process. The connection levels are offset and designed for a female plug with screw connection or PUSH IN wire connect. The male headers can be manually coded or ordered as pre-coded headers.

- · Available in closed (G), with solder Flange (GLF), screw flange (F) or screw & solder flange (FLF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The 1.5 mm solder pin reduces the solder paste to a minimum without loosing holding force to the PCB.
- The FLF version is featured with a soldering flange and an additional screw-fastening possibility to the PCB.

Product data

IEC: 400 V / 15 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

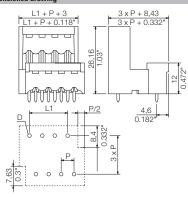
- . Rated current related to rated cross-section & min. No. of poles.
- . Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLDV-THR 5.00/../180G

without solder flange







Technical data

| iooiiiiioui uutu | | | | |
|-----------------------------------------------------|----------|------|---------|--------|
| In compliance with IEC 60664-1 / IEC | C 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | CuSn | |
| Material of contact surface | | | tinned | |
| | | 1 2 | Octago | nnal |
| Pin dimensions = d | mm | 1.2 | Uctay | Jiiui |
| Pin dimensions = d Solder eyelet \emptyset = D | mm mm | 1.2 | 1.5 | , iiui |
| Material of contact surface | | 1.0 | tiiiiou | nnal |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|
| Coding | | Order No. | |
| se ourse | BLZ/SL KO OR BX | 1573010000 | |
| | BLZ/SL KO BK BX | 1545710000 | |
| | | | |
| Spacer | | | |
| - | SL AT OR | 1598300000 | |
| | SL AT SW | 1770240000 | |
| | | | |
| | | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 50 | 1882690000 |
| 6 | 10.00 | 0.394 | 50 | 1882700000 |
| 8 | 15.00 | 0.591 | 50 | 1862370000 |
| 10 | 20.00 | 0.787 | 50 | 1882710000 |
| 12 | 25.00 | 0.984 | 50 | 1882720000 |
| 14 | 30.00 | 1.181 | 20 | 1882730000 |
| 16 | 35.00 | 1.378 | 20 | 1862380000 |
| 18 | 40.00 | 1.575 | 20 | 1882740000 |
| 20 | 45.00 | 1.772 | 20 | 1862390000 |
| 22 | 50.00 | 1.969 | 10 | 1882750000 |
| 24 | 55.00 | 2.165 | 10 | 1882760000 |
| | | | | |



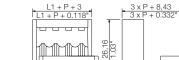


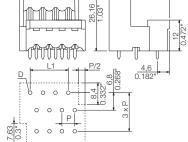
SLDV-THR 5.00/../180GLF

with solder flange









Ordering data

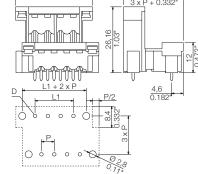
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 50 | 1911290000 |
| 6 | 10.00 | 0.394 | 50 | 1911310000 |
| 8 | 15.00 | 0.591 | 50 | 1911320000 |
| 10 | 20.00 | 0.787 | 50 | 1911330000 |
| 12 | 25.00 | 0.984 | 50 | 1911340000 |
| 14 | 30.00 | 1.181 | 20 | 1911350000 |
| 16 | 35.00 | 1.378 | 20 | 1911360000 |
| 18 | 40.00 | 1.575 | 20 | 1911370000 |
| 20 | 45.00 | 1.772 | 20 | 1911410000 |
| 22 | 50.00 | 1.969 | 10 | 1911470000 |
| 24 | 55.00 | 2.165 | 10 | 1911500000 |

SLDV-THR 5.00/../180F

without solder flange







Ordering data

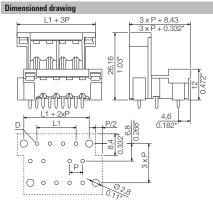
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 50 | 1882930000 |
| 6 | 10.00 | 0.394 | 50 | 1882940000 |
| 8 | 15.00 | 0.591 | 50 | 1882950000 |
| 10 | 20.00 | 0.787 | 50 | 1882960000 |
| 12 | 25.00 | 0.984 | 50 | 1882970000 |
| 14 | 30.00 | 1.181 | 20 | 1882980000 |
| 16 | 35.00 | 1.378 | 20 | 1882990000 |
| 18 | 40.00 | 1.575 | 20 | 1883000000 |
| 20 | 45.00 | 1.772 | 20 | 1881340000 |
| 22 | 50.00 | 1.969 | 10 | 1883010000 |
| 24 | 55.00 | 2.165 | 10 | 1881370000 |

SLDV-THR 5.00/../180FLF

with solder flange



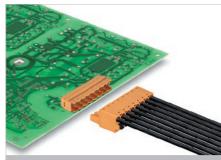




Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 50 | 1883100000 |
| 6 | 10.00 | 0.394 | 50 | 1883110000 |
| 8 | 15.00 | 0.591 | 50 | 1883120000 |
| 10 | 20.00 | 0.787 | 50 | 1883130000 |
| 12 | 25.00 | 0.984 | 50 | 1883140000 |
| 14 | 30.00 | 1.181 | 20 | 1883150000 |
| 16 | 35.00 | 1.378 | 20 | 1883160000 |
| 18 | 40.00 | 1.575 | 20 | 1883170000 |
| 20 | 45.00 | 1.772 | 20 | 1883180000 |
| 22 | 50.00 | 1.969 | 10 | 1883190000 |
| 24 | 55.00 | 2.165 | 10 | 1883200000 |

SL 5.00/../90



Male headers with 90° orientation, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached into the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 18 A UL: 300 V / 15 A



For additional articles and information, refer to eshop.weidmueller.com

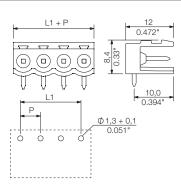
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL 5.00/../90







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 18 | | 15 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Ac | cessories chapter for additional access | sories. |
|-----------------------|-----------------------------------------|------------|
| Coding | | Order No. |
| se occep- | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| LED light guide | | |
| | SL FLA 1.5/1 | 1580100000 |
| - | SL FLA 2,3/1 | 1636670000 |
| | SL FLA 2,3/24 | 1636680000 |
| -413 | SL FLA 3.8/1 | 1580110000 |
| | SL FLA 9.0/1 | 1580120000 |
| Mounting block | | |
| - | SLA BB11R OR | 1604120000 |
| | SLA BB11R SW | 1692340000 |
| Da. | | |
| | | |

Ordering data

| | - | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1571130000 |
| 3 | 10.00 | 0.394 | 100 | 1571140000 |
| 4 | 15.00 | 0.591 | 100 | 1571150000 |
| 5 | 20.00 | 0.787 | 50 | 1571160000 |
| 6 | 25.00 | 0.984 | 50 | 1571170000 |
| 7 | 30.00 | 1.181 | 50 | 1571180000 |
| 8 | 35.00 | 1.378 | 50 | 1571190000 |
| 9 | 40.00 | 1.575 | 50 | 1571200000 |
| 10 | 45.00 | 1.772 | 50 | 1571210000 |
| 11 | 50.00 | 1.969 | 50 | 1571220000 |
| 12 | 55.00 | 2.165 | 50 | 1571110000 |
| | | | | |

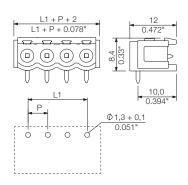


SL 5.00/../90B





Dimensioned drawing



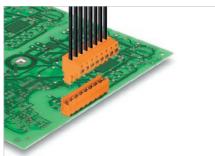
Ordering data

| aata | | | |
|---------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| length | | | 3.2 mm |
| | | | orange |
| 5.00 mn | n | | |
| L1 | (inch) | Qty. | Order No. |
| 5.00 | 0.197 | 100 | 1580860000 |
| 10.00 | 0.394 | 100 | 1580870000 |
| 15.00 | 0.591 | 100 | 1580880000 |
| 20.00 | 0.787 | 50 | 1580890000 |
| 25.00 | 0.984 | 50 | 1580900000 |
| 30.00 | 1.181 | 50 | 1580910000 |
| 35.00 | 1.378 | 50 | 1580920000 |
| 40.00 | 1.575 | 50 | 1580930000 |
| 45.00 | 1.772 | 50 | 1580940000 |
| 50.00 | 1.969 | 50 | 1580950000 |
| 55.00 | 2.165 | 50 | 1580960000 |
| | 5.00 mn L1 5.00 10.00 15.00 20.00 25.00 30.00 35.00 40.00 45.00 50.00 | length 5.00 mm (inch) 5.00 0.197 10.00 0.394 15.00 0.591 20.00 0.787 25.00 0.984 30.00 1.181 35.00 1.378 40.00 1.575 45.00 1.772 50.00 1.969 | Jength 5.00 mm L1 (inch) Qty. 5.00 0.197 100 10.00 0.394 100 15.00 0.591 100 20.00 0.787 50 25.00 0.984 50 30.00 1.181 50 35.00 1.378 50 40.00 1.575 50 45.00 1.772 50 50.00 1.969 50 |

K

Connectors in 5.00 mm pitch Series BL/SL 5.00

SL 5.00/../180



Male headers with 180° wire outlet, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached onto the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 18 A UL: 300 V / 15 A



For additional articles and information, refer to eshop.weidmueller.com

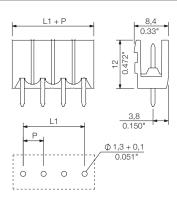
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL 5.00/../180







Technical data

| C 61984 | | | |
|---------|-----------------|------------------------------------------------------------------|------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| mm | | | |
| | | | |
| | | | |
| Α | 18 | | 15 |
| | 20°C | | 40°0 |
| | | | |
| | III | Ш | II |
| | 3 | 2 | 2 |
| V | 250 | 320 | 400 |
| kV | 4 | 4 | 4 |
| | В | C | D |
| V | 300 | | 300 |
| Α | 15 | | 10 |
| AWG | | - | |
| | В | C | D |
| V | 300 | | 300 |
| Α | 15 | | 10 |
| AWG | | - | |
| AVVU | | | |
| AWU | | | |
| AVVU | | PBT | |
| AWU | | PBT V-0 | |
| AVVO | | V-O Cu-alloy | |
| AWU | | V-O Cu-alloy tinned | |
| mm | | V-O Cu-alloy tinned , Octago | |
| | | V-O Cu-alloy tinned | |
| | mm A V kV A AWG | A 18 20°C III 3 V 250 kV 4 B V 300 A 15 AWG B B V 300 A 15 | MM |

Accessories

| Coding | | Order No. |
|----------------|-----------------|------------|
| se ittes | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| _ | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| Mounting block | | |
| | SLA BB11R OR | 1604120000 |
| | SLA BB11R SW | 1692340000 |
| 00. | | |

Ordering data

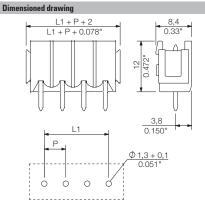
| | 9 | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1581320000 |
| 3 | 10.00 | 0.394 | 100 | 1581330000 |
| 4 | 15.00 | 0.591 | 100 | 1581340000 |
| 5 | 20.00 | 0.787 | 50 | 1581350000 |
| 6 | 25.00 | 0.984 | 50 | 1581360000 |
| 7 | 30.00 | 1.181 | 50 | 1581370000 |
| 8 | 35.00 | 1.378 | 50 | 1581380000 |
| 9 | 40.00 | 1.575 | 50 | 1581390000 |
| 10 | 45.00 | 1.772 | 50 | 1581400000 |
| 11 | 50.00 | 1.969 | 50 | 1581410000 |
| 12 | 55.00 | 2.165 | 50 | 1581420000 |











Ordering data

| Oraering | uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1581780000 |
| 3 | 10.00 | 0.394 | 100 | 1581790000 |
| 4 | 15.00 | 0.591 | 100 | 1581800000 |
| 5 | 20.00 | 0.787 | 50 | 1581810000 |
| 6 | 25.00 | 0.984 | 50 | 1581820000 |
| 7 | 30.00 | 1.181 | 50 | 1581830000 |
| 8 | 35.00 | 1.378 | 50 | 1581840000 |
| 9 | 40.00 | 1.575 | 50 | 1581850000 |
| 10 | 45.00 | 1.772 | 50 | 1581860000 |
| 11 | 50.00 | 1.969 | 50 | 1581870000 |
| 12 | 55.00 | 2.165 | 50 | 1581880000 |

K

Connectors in 5.00 mm pitch Series BL/SL 5.00

SL 5.00/../135



Male headers with 135° wire outlet, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached onto the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 17 A UL: 300 V / 15 A



For additional articles and information, refer to eshop.weidmueller.com

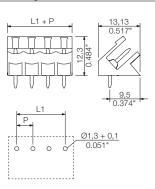
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL 5.00/../135







Technical data

| ooniniour uutu | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17 | | 15 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| i ili ulliiciisiolis – u | 111111 | | | |
| Solder eyelet Ø = D | mm | | 1.3 | |

Accessories

| Coding | | Order No. |
|----------------|-----------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| Mounting block | | |
| | SL 135 BB15R OR | 1606450000 |
| C. | SL 135 BB15R SW | 1636370000 |
| 3 | | |

Ordering data

| Solder pir | ı length | | | 3.2 mm |
|------------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1630250000 |
| 3 | 10.00 | 0.394 | 100 | 1630260000 |
| 4 | 15.00 | 0.591 | 100 | 1630270000 |
| 5 | 20.00 | 0.787 | 50 | 1630280000 |
| 6 | 25.00 | 0.984 | 50 | 1630290000 |
| 7 | 30.00 | 1.181 | 50 | 1630300000 |
| 8 | 35.00 | 1.378 | 50 | 1630310000 |
| 9 | 40.00 | 1.575 | 50 | 1630320000 |
| 10 | 45.00 | 1.772 | 50 | 1630330000 |
| 11 | 50.00 | 1.969 | 50 | 1630340000 |
| 12 | 55.00 | 2.165 | 50 | 1630350000 |
| | | | | |



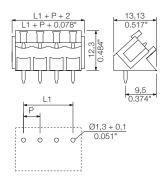


SL 5.00/../135B





Dimensioned drawing

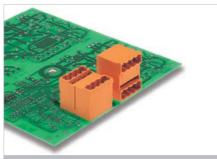


Ordering data

| Oraering | uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 100 | 1630480000 |
| 3 | 10.00 | 0.394 | 100 | 1630490000 |
| 4 | 15.00 | 0.591 | 100 | 1630500000 |
| 5 | 20.00 | 0.787 | 50 | 1630510000 |
| 6 | 25.00 | 0.984 | 50 | 1630520000 |
| 7 | 30.00 | 1.181 | 50 | 1630530000 |
| 8 | 35.00 | 1.378 | 50 | 1630540000 |
| 9 | 40.00 | 1.575 | 50 | 1630550000 |
| 10 | 45.00 | 1.772 | 50 | 1630560000 |
| 11 | 50.00 | 1.969 | 50 | 1630570000 |
| 12 | 55.00 | 2.165 | 50 | 1630580000 |

K

SLD 5.00/../90 & 180



Double-level male header optimised for wave soldering. The connections are at the same level - with access that is flush over the front board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 11 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

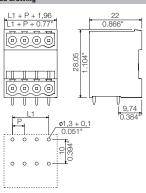
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 5.00/../90G







Technical data

| In compliance with IEC 60664-1 | / IEC 6198/ | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | , 120 0 130 | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 11 | | 9.5 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|--------------------------------------------------------------------|-----------------|------------|--|
| Coding | | Order No. | |
| SS DELEGA | BLZ/SL KO OR BX | 1573010000 | |
| | BLZ/SL KO BK BX | 1545710000 | |
| Spacer | | | |
| Sharei | SL AT OR | 1598300000 | |
| and the same of | SLAI UN | 1330300000 | |
| | SL AT SW | 1770240000 | |
| | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 50 | 1614350000 |
| 6 | 10.00 | 0.394 | 50 | 1614360000 |
| 8 | 15.00 | 0.591 | 50 | 1614370000 |
| 10 | 20.00 | 0.787 | 50 | 1614380000 |
| 12 | 25.00 | 0.984 | 50 | 1614390000 |
| 14 | 30.00 | 1.181 | 20 | 1614400000 |
| 16 | 35.00 | 1.378 | 20 | 1614410000 |
| 18 | 40.00 | 1.575 | 20 | 1614420000 |
| 20 | 45.00 | 1.772 | 20 | 1614430000 |
| 22 | 50.00 | 1.969 | 10 | 1614440000 |
| 24 | 55.00 | 2.165 | 10 | 1614450000 |

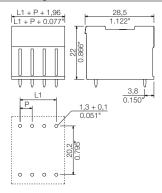








Dimensioned drawing



Ordering data

| oraerinį | y aata | | | |
|------------|----------|--------|------|------------|
| Solder pin | ı length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 50 | 1614810000 |
| 6 | 10.00 | 0.394 | 50 | 1614820000 |
| 8 | 15.00 | 0.591 | 50 | 1614830000 |
| 10 | 20.00 | 0.787 | 50 | 1614840000 |
| 12 | 25.00 | 0.984 | 50 | 1614850000 |
| 14 | 30.00 | 1.181 | 20 | 1614860000 |
| 16 | 35.00 | 1.378 | 20 | 1614870000 |
| 18 | 40.00 | 1.575 | 20 | 1614880000 |
| 20 | 45.00 | 1.772 | 20 | 1614890000 |
| 22 | 50.00 | 1.969 | 10 | 1614900000 |
| 24 | 55.00 | 2.165 | 10 | 1614910000 |

K

BLZP 5.00HC/../180



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous underinsertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

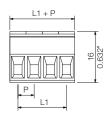
- Additional variants on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

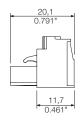
BLZP 5.00HC/../180





Dimensioned drawin





Technical data

| In compliance with IEC 60664-1 | | | | | |
|--------------------------------|-----------------|-------|-----------|---------|--|
| Clamping range, max. | mm ² | | 0.134 | | |
| Solid core H05(07) V-U | mm ² | | 0.24 | | |
| Stranded H07 V-R | | | 4 | | |
| Flexible H05(07) V-K | mm ² | | 0.24 | | |
| Flexible with ferrule | mm ² | | 0.22.5 | | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | , | |
| Stripping length | mm | | 7 | | |
| Screwdriver blade | mm | 0.6 x | 3.5, PH 1 | 1, PZ 1 | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 23 | | 21 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | mm ² | | 4 | | |
| Overvoltage category | | III | Ш | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 | 320 | 400 | |
| Rated impulse voltage | kV | 4 | 4 | 4 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 20 | | 10 | |
| AWG conductor | AWG | | 26-12 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | 50 | 300 | |
| Rated current | Α | 20 | | 20 | |
| AWG conductor | AWG | | 30-12 | | |
| General data | | | | | |
| Type of insulation material | | | PBT | | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet Ø = D | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|--------------------------------------------------------------------|---------------------|------------|--|
| Strain relief | | Order No. | |
| | BLZ 5.00 ZE04 OR BX | 1652100000 | |
| | BLZ 5.00 ZE08 OR BX | 1652040000 | |
| 4 | BLZ 5.00 ZE08 BK BX | 1652060000 | |
| Coding | | | |
| se inneg | BLZ/SL KO OR BX | 1573010000 | |
| | BLZ/SL KO BK BX | 1545710000 | |
| | | | |
| Screwdriver | | | |
| | SDS 0.6X3.5X100 | 2749340000 | |
| | SDIS 0.6X3.5X100 | 2749810000 | |
| | SDK PH1 X 80 | 2749410000 | |
| _ | SDK PZ1 X 80 | 2749440000 | |

Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | orange | | |
| Pitch | 5.00 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 5.00 | 0.197 | 180 | 1954490000 | | |
| 3 | 10.00 | 0.394 | 120 | 1954480000 | | |
| 4 | 15.00 | 0.591 | 90 | 1954470000 | | |
| 5 | 20.00 | 0.788 | 72 | 1954460000 | | |
| 6 | 25.00 | 0.985 | 60 | 1954450000 | | |
| 7 | 30.00 | 1.182 | 48 | 1954440000 | | |
| 8 | 35.00 | 1.379 | 42 | 1954430000 | | |
| 9 | 40.00 | 1.576 | 36 | 1954420000 | | |
| 10 | 45.00 | 1.773 | 36 | 1954410000 | | |
| 11 | 50.00 | 1.970 | 30 | 1954400000 | | |
| 12 | 55.00 | 2.167 | 30 | 1954390000 | | |
| | | | | | | |

e)((¢







Representative deratings curve BLZP 5.00/../180 - SL 5.00/../90 M25.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0

K.40 Weidmüller № 2977770000

BLZP 5.00HC/../180F

BLZP 5.00HC/../180LR

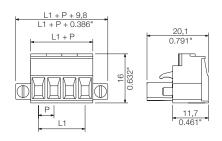
with lock and release lever

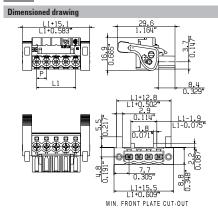






Dimensioned drawing





Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1955800000 |
| 3 | 10.00 | 0.394 | 72 | 1955790000 |
| 4 | 15.00 | 0.591 | 60 | 1955780000 |
| 5 | 20.00 | 0.788 | 48 | 1955770000 |
| 6 | 25.00 | 0.985 | 42 | 1955760000 |
| 7 | 30.00 | 1.182 | 36 | 1955750000 |
| 8 | 35.00 | 1.379 | 36 | 1955740000 |
| 9 | 40.00 | 1.576 | 30 | 1955730000 |
| 10 | 45.00 | 1.773 | 30 | 1955720000 |
| 11 | 50.00 | 1.970 | 24 | 1955710000 |
| 12 | 55.00 | 2 167 | 24 | 1955700000 |

Ordering data

| o. ao. mg | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | orange |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1956370000 |
| 3 | 10.00 | 0.394 | 72 | 1956360000 |
| 4 | 15.00 | 0.591 | 60 | 1956350000 |
| 5 | 20.00 | 0.788 | 48 | 1956340000 |
| 6 | 25.00 | 0.985 | 42 | 1956330000 |
| 7 | 30.00 | 1.182 | 36 | 1956320000 |
| 8 | 35.00 | 1.379 | 36 | 1956310000 |
| 9 | 40.00 | 1.576 | 30 | 1956300000 |
| 10 | 45.00 | 1.773 | 30 | 1956290000 |
| 11 | 50.00 | 1.970 | 24 | 1956280000 |
| 12 | 55.00 | 2.167 | 24 | 1956270000 |

The 2-in-1 contact

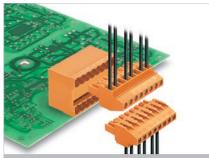
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Additional deratings curves BLZP 5.00/../180 - SLD 5.00/../90G BLZP 5.00/../180 - SLDV-THR 5.00/../180 BLZP 5.00/../

Connectors in 5.00 mm pitch Series BL/SL 5.00

BLZP 5.00HC/../90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous underinsertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note

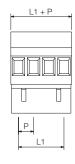
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

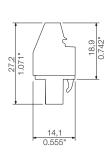
BLZP 5.00HC/../90





Dimensioned drawing





Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | ļ. | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|---------------------|---------|
| Clamping range, max. | mm² | | 0.134 | |
| Solid core H05(07) V-U | mm² | | 0.24 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.24 | |
| Flexible with ferrule | mm ² | | 0.24 | |
| Ferrule with plastic collar | mm ² | - 1 | 0.22.5 | , |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | 0.6 x 3 | 3.5, PH | 1, PZ 1 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 23 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 4 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| | | | FO | 300 |
| Rated voltage | V | 300 | 50 | |
| Rated current | A | 20 | | 20 |
| Rated current AWG conductor | • | | 30-12 | |
| Rated current AWG conductor General data | A | | 30-12 | |
| Rated current AWG conductor General data Type of insulation material | A | | 30-12 PBT | |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A | | 30-12 | |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A | 20 | 30-12 PBT V-0 | 20 |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A | 20 | 30-12 PBT V-0 | 20 |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | A | 20 | 30-12 PBT V-0 | 20 |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG | 20 | 30-12 PBT V-0 | 20 |

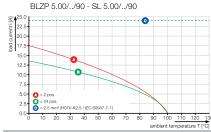
Accessories

| Coding | | Order No. |
|-------------|------------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| _ | SDK PH1 X 80 | 2749410000 |
| / | SDK PZ1 X 80 | 2749440000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 180 | 1958300000 |
| 3 | 10.00 | 0.394 | 120 | 1958290000 |
| 4 | 15.00 | 0.591 | 90 | 1958280000 |
| 5 | 20.00 | 0.788 | 72 | 1958270000 |
| 6 | 25.00 | 0.985 | 60 | 1958260000 |
| 7 | 30.00 | 1.182 | 48 | 1958250000 |
| 8 | 35.00 | 1.379 | 42 | 1958230000 |
| 9 | 40.00 | 1.576 | 36 | 1958190000 |
| 10 | 45.00 | 1.773 | 36 | 1958160000 |
| 11 | 50.00 | 1.970 | 30 | 1958130000 |
| 12 | 55.00 | 2.167 | 30 | 1958120000 |
| | | | | |

Contact base material Contact base material Contact surface Pin dimensions = d Pin dimensions = d Contact surface Pin dimensions = d Contact surface Pin dimensions = d Contact surface Pin dimensions = d Contact surface



5.00





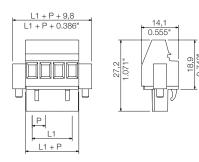
3.42 Weidmüller ₹ 2977770000

BLZP 5.00HC/../90F





Dimensioned drawing



Ordering data

| Solder pir | n length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1959520000 |
| 3 | 10.00 | 0.394 | 72 | 1959510000 |
| 4 | 15.00 | 0.591 | 60 | 1959500000 |
| 5 | 20.00 | 0.788 | 48 | 1959490000 |
| 6 | 25.00 | 0.985 | 42 | 1959480000 |
| 7 | 30.00 | 1.182 | 36 | 1959470000 |
| 8 | 35.00 | 1.379 | 36 | 1959460000 |
| 9 | 40.00 | 1.576 | 30 | 1959440000 |
| 10 | 45.00 | 1.773 | 30 | 1959430000 |
| 11 | 50.00 | 1.970 | 24 | 1959390000 |
| 12 | 55.00 | 2.167 | 24 | 1959370000 |

The 2-in-1 contact

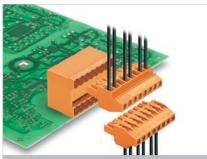
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



Additional deratings curves BLZP 5.00/../90 - SL-SMT 5.00/../90 \$\frac{4250}{12.5} \\ \frac{1}{10.0} \\ \frac{2250}{12.5} \\ \frac{1}{10.0} \\ \frac{2250}{10.0} \\ \frac{2250}

K

BLZP 5.00HC/../270



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous underinsertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note

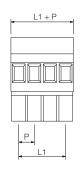
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

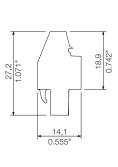
BLZP 5.00HC/../270





Dimensioned drawing





Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | ļ. | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|---------------------|---------|
| Clamping range, max. | mm² | | 0.134 | |
| Solid core H05(07) V-U | mm² | | 0.24 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.24 | |
| Flexible with ferrule | mm ² | | 0.24 | |
| Ferrule with plastic collar | mm ² | 0.22.5 | | , |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | 0.6 x 3 | 3.5, PH | 1, PZ 1 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 23 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 4 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| | | | FO | 300 |
| Rated voltage | V | 300 | 50 | |
| Rated current | A | 20 | | 20 |
| Rated current AWG conductor | • | | 30-12 | |
| Rated current AWG conductor General data | A | | 30-12 | |
| Rated current AWG conductor General data Type of insulation material | A | | 30-12 PBT | |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A | | 30-12 | |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A | 20 | 30-12 PBT V-0 | 20 |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A | 20 | 30-12 PBT V-0 | 20 |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | A | 20 | 30-12 PBT V-0 | 20 |
| Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG | 20 | 30-12 PBT V-0 | 20 |

Accessories

| Coding | | Order No. |
|-------------|------------------|------------|
| 55 (100 gg | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | SDK PH1 X 80 | 2749410000 |
| _ | SDK PZ1 X 80 | 2749440000 |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 180 | 1958870000 |
| 3 | 10.00 | 0.394 | 120 | 1958860000 |
| 4 | 15.00 | 0.591 | 90 | 1958850000 |
| 5 | 20.00 | 0.788 | 72 | 1958840000 |
| 6 | 25.00 | 0.985 | 60 | 1958830000 |
| 7 | 30.00 | 1.182 | 48 | 1958820000 |
| 8 | 35.00 | 1.379 | 42 | 1958810000 |
| 9 | 40.00 | 1.576 | 36 | 1958800000 |
| 10 | 45.00 | 1.773 | 36 | 1958790000 |
| 11 | 50.00 | 1.970 | 30 | 1958780000 |
| 12 | 55.00 | 2.167 | 30 | 1959150000 |

°|(() **5.00**







K.44 Weidmüller ₹ 2977770000

BLZP 5.00HC/../270LR

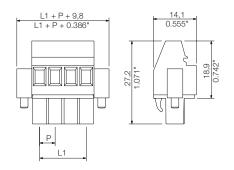
with lock and release lever

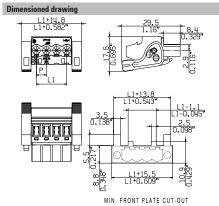






Dimensioned drawing





Ordering data

| | • | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | orange |
| Pitch | 5.00 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1960460000 |
| 3 | 10.00 | 0.394 | 72 | 1960450000 |
| 4 | 15.00 | 0.591 | 60 | 1960440000 |
| 5 | 20.00 | 0.788 | 48 | 1960430000 |
| 6 | 25.00 | 0.985 | 42 | 1960420000 |
| 7 | 30.00 | 1.182 | 36 | 1960410000 |
| 8 | 35.00 | 1.379 | 36 | 1960400000 |
| 9 | 40.00 | 1.576 | 30 | 1960390000 |
| 10 | 45.00 | 1.773 | 30 | 1960380000 |
| 11 | 50.00 | 1.970 | 24 | 1960370000 |
| 12 | 55.00 | 2.167 | 24 | 1959450000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1960960000 |
| 3 | 10.00 | 0.394 | 72 | 1960950000 |
| 4 | 15.00 | 0.591 | 60 | 1960940000 |
| 5 | 20.00 | 0.788 | 48 | 1960930000 |
| 6 | 25.00 | 0.985 | 42 | 1960920000 |
| 7 | 30.00 | 1.182 | 36 | 1960910000 |
| 8 | 35.00 | 1.379 | 36 | 1960900000 |
| 9 | 40.00 | 1.576 | 30 | 1960890000 |
| 10 | 45.00 | 1.773 | 30 | 1960880000 |
| 11 | 50.00 | 1.970 | 24 | 1960870000 |
| 12 | 55.00 | 2.167 | 24 | 1960860000 |

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



1/

Connectors in 5.00 mm pitch Series BL/SL 5.00

BLF 5.00HC/../180



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 23 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - 12



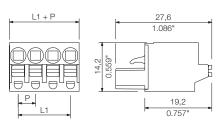
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLF 5.00HC/../180







Technical data

| In compliance with IEC 60664-1 / IEC | C 61984 | ŀ | | |
|--------------------------------------|-----------------|----------|-----------|------|
| Clamping range, max. | mm ² | 0 | .133.3 | 1 |
| Solid core H05(07) V-U | mm² | | 0.22.9 | , |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.22.5 | | |
| Flexible with ferrule | mm ² | | 0.252. | 5 |
| Ferrule with plastic collar | | 2.5 | | |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | | 0.6 x 3.9 | 5 |
| According to norm | | DIN 5264 | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 23 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 12-26 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

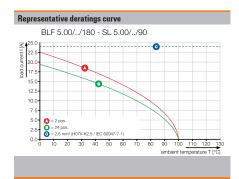
| Coding | | Order No. |
|------------------|------------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 274934000 |
| A | SDIS 0.6X3.5X100 | 274981000 |
| / | | |
| Wire-end ferrule | | |
| | H0,5/14S W | 900459000 |
| 12/ | H1,0/14S R | 901856000 |
| 1 | H1,5/14DS SW | 902524000 |
| * | H2.5/14DS BL | 133310000 |

Ordering data

| | • | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | orange |
| Pitch | 5.00 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 180 | 1017860000 |
| 3 | 10.00 | 0.394 | 120 | 1017870000 |
| 4 | 15.00 | 0.591 | 90 | 1017880000 |
| 5 | 20.00 | 0.788 | 72 | 1017890000 |
| 6 | 25.00 | 0.985 | 60 | 1017910000 |
| 7 | 30.00 | 1.182 | 48 | 1017920000 |
| 8 | 35.00 | 1.379 | 42 | 1017930000 |
| 9 | 40.00 | 1.576 | 36 | 1017950000 |
| 10 | 45.00 | 1.773 | 36 | 1017960000 |
| 11 | 50.00 | 1.970 | 30 | 1017970000 |
| 12 | 55.00 | 2.167 | 30 | 1017980000 |







BLF 5.00HC/../180F

BLF 5.00HC/../180LR

PUSH IN connection technology





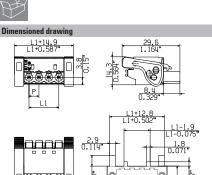
27,6 1.086"

> 19.2 0.757

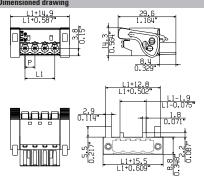


L1 + P + 9,8

L1 + P + 0.386







Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1017420000 |
| 3 | 10.00 | 0.394 | 72 | 1017430000 |
| 4 | 15.00 | 0.591 | 60 | 1017440000 |
| 5 | 20.00 | 0.788 | 48 | 1017450000 |
| 6 | 25.00 | 0.985 | 42 | 1017470000 |
| 7 | 30.00 | 1.182 | 36 | 1017480000 |
| 8 | 35.00 | 1.379 | 36 | 1017490000 |
| 9 | 40.00 | 1.576 | 30 | 1017510000 |
| 10 | 45.00 | 1.773 | 30 | 1017520000 |
| 11 | 50.00 | 1.970 | 24 | 1017530000 |
| 12 | 55.00 | 2.167 | 24 | 1017540000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1016340000 |
| 3 | 10.00 | 0.394 | 72 | 1016350000 |
| 4 | 15.00 | 0.591 | 60 | 1016360000 |
| 5 | 20.00 | 0.788 | 48 | 1016370000 |
| 6 | 25.00 | 0.985 | 42 | 1016380000 |
| 7 | 30.00 | 1.182 | 36 | 1016390000 |
| 8 | 35.00 | 1.379 | 36 | 1016410000 |
| 9 | 40.00 | 1.576 | 30 | 1016420000 |
| 10 | 45.00 | 1.773 | 30 | 1016430000 |
| 11 | 50.00 | 1.970 | 24 | 1016440000 |
| 12 | 55.00 | 2.167 | 24 | 1016450000 |

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



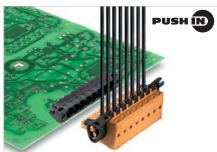
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.00 mm pitch Series BL/SL 5.00

BLF 5.00HC/../90



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- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling since the wire-entry area and handling area are clearly separated.
- · User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - 12



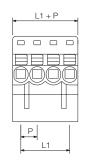
For additional articles and information, refer to eshop.weidmueller.com

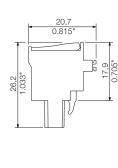
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLF 5.00HC/../90









Technical data

| In compliance with IEC 60664-1 / | TEC 61984 | + | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|------------------------|------|
| Clamping range, max. | mm ² | 0 | .133.3 | 31 |
| Solid core H05(07) V-U | mm² | 0.22.5 | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.22.5 | | 5 |
| Flexible with ferrule | mm ² | 0.252.5 | | |
| Ferrule with plastic collar | mm ² | 0.252.5 | | |
| Stripping length | mm | 10 | | |
| Screwdriver blade | mm | 0.6 x 3.5 | | |
| According to norm | | DIN 5264 | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| | | 10 | | |
| AWG conductor | AWG | 10 | 12-26 | |
| AWG conductor General data | | 10 | | |
| AWG conductor General data Type of insulation material | | 10 | PBT | |
| AWG conductor General data Type of insulation material UL 94 flammability rating | | 10 | PBT V-0 | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | | 10 | PBT V-0 Cu-alloy | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | | 10 | PBT V-0 | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | | 10 | PBT V-0 Cu-alloy | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | AWG | 10 | PBT V-0 Cu-alloy | |

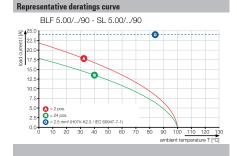
Accessories

| Coding | | Order No. |
|------------------|------------------|------------|
| × | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| <i>P</i> - | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Wire-end ferrule | | |
| | H0,5/14S W | 9004590000 |
| | H1,0/14S R | 9018560000 |
| | H1,5/14DS SW | 9025240000 |
| | H2,5/14DS BL | 1333100000 |

Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | orange | |
| Pitch | 5.00 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 5.00 | 0.197 | 180 | 1980170000 | |
| 3 | 10.00 | 0.394 | 120 | 1980180000 | |
| 4 | 15.00 | 0.591 | 90 | 1980190000 | |
| 5 | 20.00 | 0.788 | 72 | 1980200000 | |
| 6 | 25.00 | 0.985 | 60 | 1980210000 | |
| 7 | 30.00 | 1.182 | 48 | 1980220000 | |
| 8 | 35.00 | 1.379 | 42 | 1980230000 | |
| 9 | 40.00 | 1.576 | 36 | 1980240000 | |
| 10 | 45.00 | 1.773 | 36 | 1980250000 | |
| 11 | 50.00 | 1.970 | 30 | 1980260000 | |
| 12 | 55.00 | 2.167 | 30 | 1980270000 | |





BLF 5.00HC/../90LR

with lock and release lever

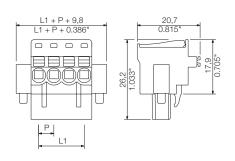


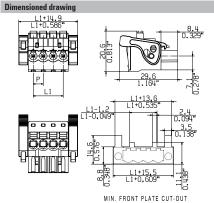


PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.









Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1980640000 |
| 3 | 10.00 | 0.394 | 72 | 1980650000 |
| 4 | 15.00 | 0.591 | 60 | 1980660000 |
| 5 | 20.00 | 0.788 | 48 | 1980670000 |
| 6 | 25.00 | 0.985 | 42 | 1980680000 |
| 7 | 30.00 | 1.182 | 36 | 1980690000 |
| 8 | 35.00 | 1.379 | 36 | 1980700000 |
| 9 | 40.00 | 1.576 | 30 | 1980710000 |
| 10 | 45.00 | 1.773 | 30 | 1980720000 |
| 11 | 50.00 | 1.970 | 24 | 1980730000 |
| 12 | 55.00 | 2 167 | 24 | 1980740000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.00 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.00 | 0.197 | 90 | 1980870000 |
| 3 | 10.00 | 0.394 | 72 | 1980880000 |
| 4 | 15.00 | 0.591 | 60 | 1980890000 |
| 5 | 20.00 | 0.788 | 48 | 1980900000 |
| 6 | 25.00 | 0.985 | 42 | 1980910000 |
| 7 | 30.00 | 1.182 | 36 | 1980920000 |
| 8 | 35.00 | 1.379 | 36 | 1980930000 |
| 9 | 40.00 | 1.576 | 30 | 1980940000 |
| 10 | 45.00 | 1.773 | 30 | 1980950000 |
| 11 | 50.00 | 1.970 | 24 | 1980960000 |
| 12 | 55.00 | 2.167 | 24 | 1980970000 |

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



K



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical
- · Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tapeon-reel, RL).

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../90 Box

Packaged in box





Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | | | |
|-------------------------------------|---------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 18.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | 1 | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2, | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| o " | | 0 1 11 |
|-----------------|-----------------|------------|
| Coding | | Order No. |
| se ourse | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| A | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| LED light guide | | |
| | SL FLA 1.5/1 | 1580100000 |
| - | SL FLA 2,3/1 | 1636670000 |
| 1 | SL FLA 2,3/24 | 1636680000 |
| -43 | SL FLA 3.8/1 | 1580110000 |
| - | SL FLA 9.0/1 | 1580120000 |

Ordering data

| lack |
|--------|
| |
| |
| r No. |
| 950000 |
| 960000 |
| 970000 |
| 980000 |
| 990000 |
| 000000 |
| 010000 |
| 020000 |
| 030000 |
| 040000 |
| 050000 |
| |



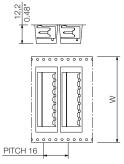
SL-SMT 5.08HC/../90 Tape

Tape-on-reel





Dimensioned drawing



TAPE FEED DIRECTION

Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 350 | 1821160000 |
| 3 4 | 10.16 | 0.400 | 350 | 1821170000 |
| 4 | 15.24 | 0.600 | 350 | 1774784001 |
| 5 | 20.32 | 0.800 | 350 | 1774794001 |
| 6 | 25.40 | 1.000 | 350 | 1774804001 |
| 7 | 30.48 | 1.200 | 350 | 1774814001 |
| 8 | 35.56 | 1.400 | 350 | 1774824001 |

SL-SMT 5.08HC/../90G Box

Packaged in box





Dimensioned drawing

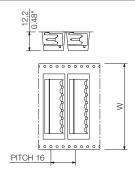
SL-SMT 5.08HC/../90G Tape

Tape-on-reel





Dimensioned drawing



TAPE FEED DIRECTION

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1780180000 |
| 3 | 10.16 | 0.400 | 100 | 1780190000 |
| 4 | 15.24 | 0.600 | 100 | 1780200000 |
| 5 | 20.32 | 0.800 | 50 | 1780210000 |
| 6 | 25.40 | 1.000 | 50 | 1780220000 |
| 7 | 30.48 | 1.200 | 50 | 1780230000 |
| 8 | 35.56 | 1.400 | 50 | 1780240000 |
| 9 | 40.64 | 1.600 | 50 | 1780250000 |
| 10 | 45.72 | 1.800 | 50 | 1780260000 |
| 11 | 50.80 | 2.000 | 50 | 1780270000 |
| 12 | 55.88 | 2.200 | 50 | 1780280000 |

Ordering data

| Solo | ler pin lengt | th | | | 1.5 mm |
|------|---------------|-------|--------|------|------------|
| Colo | ur | | | | black |
| Pit | ch 5 | .08 m | m | | |
| Pol. | | L1 | (inch) | Qty. | Order No. |
| 2 | | 5.08 | 0.200 | 350 | 1821140000 |
| 3 | 1 | 0.16 | 0.400 | 350 | 1775014001 |
| 4 | 1 | 5.24 | 0.600 | 350 | 1775024001 |
| 5 | 2 | 20.32 | 0.800 | 350 | 1775034001 |
| 6 | 2 | 25.40 | 1.000 | 350 | 1775044001 |
| 7 | 3 | 30.48 | 1.200 | 350 | 1775054001 |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

Weidmüller ₹ K.51





High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical stress.
- · Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tapeon-reel, RL).

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

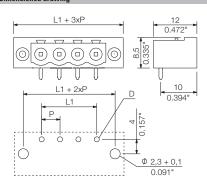
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../90F Box

Packaged in box







Technical data

| For conductor cross-section Overvoltage category Pollution severity Rated voltage V 250 320 400 Rated impulse voltage kV 4 4 4 UL / CUL (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG Conductor AWG LCP GF UL 94 flammability rating Contact base material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d mm 1.2, Octagonal | i Cullilicai uata | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|------|--------|------|
| Solid core H05(07) V-U Stranded H07 V-R | In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Stranded H07 V-R Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity 3 2 2 2 Rated voltage V 250 320 400 Rated impulse voltage W 4 4 4 UL/CUL (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated oltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated lotage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated lotage V 300 300 CSA (Use Group) Rated lotage V 300 300 Rated lotage V 300 300 CSA (Use Group) Rated lotage V 300 300 Rated lotage V 300 300 Rated lotage V 300 300 Rated lotage CSA (Use Group) Rated lotage V 300 300 Rated lotage V 300 300 Rated lotage V 300 300 Rated lotage CSA (Use Group) Rated lotage Rated lotage V 300 300 Rated lotage CSA (Use Group) Rated lotage Rated lotage V 300 300 Rated lotage V 300 300 Rated lotage Rated lotage Rated lotage Rated lotage V 300 300 Rated lotage | Clamping range, max. | | | | |
| Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. A 27.5 24 At ambient temperature For conductor cross-section Overvoltage category Pollution severity 3 2 2 Rated voltage V 250 320 400 Rated impulse voltage W 4 4 4 UL/CUL (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - CSA (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - CSA (Use Group) Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG - CU-alloy Contact base material Material of contact surface Pin dimensions = d mm 1.2, Octagonal | Solid core HO5(07) V-U | | | | |
| Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Pol | Stranded H07 V-R | | | | |
| Ferrule with plastic collar Stripping length Screwdriver blade mm | Flexible H05(07) V-K | | | | |
| Stripping length Screwdriver blade | Flexible with ferrule | | | | |
| Screwdriver blade | Ferrule with plastic collar | | | | |
| According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage Rated current Rated current RAGE Group) Rated voltage Rated current RAGE CSA (Use Group) Rated voltage RAGE Group) RAGE Group RAG | Stripping length | | | | |
| Tightening torque range Rated current, max. A 27.5 24 At ambient temperature 20°C 40°C For conductor cross-section V 20°C 40°C Overvoltage category III III <td>Screwdriver blade</td> <td>mm</td> <td></td> <td></td> <td></td> | Screwdriver blade | mm | | | |
| Rated current, max. A 27.5 24 At ambient temperature 20°C 40°C For conductor cross-section 30°C 40°C Overvoltage category III < | According to norm | | | | |
| At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage Rated current Rated conductor RAWG CSA (Use Group) Rated voltage | Tightening torque range | | | | |
| For conductor cross-section Overvoltage category Pollution severity Rated voltage V 250 320 400 Rated impulse voltage kV 4 4 4 UL/CUL (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor CSA (Use Group) Rated voltage V 300 300 Rated current A 18.5 18.5 Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG - CSA (Use Group) Rated voltage V 300 300 CSA (Use Group) Rated rise C D Rated voltage V 300 Conductor AWG - CU-Use Group Contact base material LCP GF LCP GF CU-alloy Material of contact surface Pin dimensions = d mm 1.2, Octagonal | Rated current, max. | Α | 27.5 | | 24 |
| Overvoltage category III III II III II III | At ambient temperature | | 20°C | | 40°0 |
| Pollution severity | For conductor cross-section | | | | |
| Rated voltage V 250 320 400 Rated impulse voltage kV 4 4 4 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current AWG - - CSA (Use Group) B C D Rated voltage V 300 300 Rated current AWG - - AWG conductor AWG - - General data - LCP GF Type of insulation material LCP GF - LU 94 flammability rating Cualloy Cualloy Contact base material Cualloy Cualloy Material of contact surface minned 1.2, Octavlous | Overvoltage category | | III | III | II |
| Rated impulse voltage kV 4 4 4 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - C CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG - - General data ULP GF ULP GF UL 94 flammability rating V-0 Cu-alloy Contact base material Cu-alloy Material of contact surface mm 1.2, Octayonal | Pollution severity | | 3 | 2 | 2 |
| UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG - - General data Type of insulation material LCP GF UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned tinned Pin dimensions = d mm 1.2, Octagonal | Rated voltage | V | 250 | 320 | 400 |
| Rated voltage | Rated impulse voltage | kV | 4 | 4 | 4 |
| Rated current A 18.5 10 AWG conductor AWG - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG - - General data U.9e of insulation material ULP GF U-0 U-0 Contact base material Cualloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal | UL / CUL (Use Group) | | В | C | D |
| AWG conductor AWG - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG - - General data Type of insulation material LCP GF LCP GF UL 94 flammability rating V-0 Contact base material Cualloy Material of contact surface tinned Tinned Pin dimensions = d mm 1.2, Octagonal | Rated voltage | V | 300 | | 300 |
| CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG - - General data LCP GF UL 94 flammability rating Cualloy Contact base material Cualloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal | Rated current | Α | 18.5 | | 10 |
| Rated voltage V 300 300 Rated current A 18.5 18.5 AWG conductor AWG - - General data Type of insulation material LCP GF UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned tinned Pin dimensions = d mm 1.2, Octagonal | AWG conductor | AWG | | - | |
| Rated current A 18.5 18.5 AWG conductor AWG - General data Upge of insulation material Type of insulation material LCP GF UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal | CSA (Use Group) | | В | C | D |
| AWG conductor AWG - General data Type of insulation material UL 94 flammability rating Under the base material Under the bas | • | V | 300 | | 300 |
| General data Type of insulation material UL 94 flammability rating Contact base material Waterial of contact surface Vindimensions = d V-0 Cu-alloy Material of contact surface Mmm 1.2, Octagonal | Tiutou ourront | ,, | 18.5 | | 18.5 |
| Type of insulation material LCP GF UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal | | AWG | | - | |
| UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal | General data | | | | |
| Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal | Type of insulation material | | | LCP GF | |
| Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal | , , | | | V-0 | |
| Pin dimensions = d mm 1.2, Octagonal | Gontaot Baco matema | | | , | 1 |
| The dimensions of | | | | | |
| Solder evelet $\emptyset = D$ mm 1.5 | i iii diiiioiioioiio d | mm | 1.2 | | onal |
| | Solder eyelet Ø = D | mm | | 1.5 | |
| Solder eyelet Ø tolerance mm + 0,1 | Colder avalet (I teleropee | | | . 0 1 | |

Accessories

| Note: Refer to the Ad | ccessories chapter for additional access | sories. |
|-----------------------|------------------------------------------|------------|
| Coding | | Order No. |
| 89 (10/0 <u>2</u>) | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| _ | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| LED light guide | | |
| | SL FLA 1.5/1 | 1580100000 |
| - | SL FLA 2,3/1 | 1636670000 |
| 100 | SL FLA 2,3/24 | 1636680000 |
| -43 | SL FLA 3.8/1 | 1580110000 |
| _ | SL FLA 9.0/1 | 1580120000 |

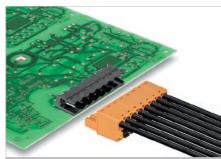
Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1837630000 |
| 3 | 10.16 | 0.400 | 72 | 1837640000 |
| 4 | 15.24 | 0.600 | 60 | 1837650000 |
| 5 | 20.32 | 0.800 | 48 | 1837660000 |
| 6 | 25.40 | 1.000 | 42 | 1837670000 |
| 7 | 30.48 | 1.200 | 36 | 1837680000 |
| 8 | 35.56 | 1.400 | 36 | 1837690000 |
| 9 | 40.64 | 1.600 | 30 | 1837700000 |
| 10 | 45.72 | 1.800 | 30 | 1837710000 |
| 11 | 50.80 | 2.000 | 24 | 1837720000 |
| 12 | 55.88 | 2.200 | 24 | 1837730000 |
| | | | | |





2977770000 **Weidmüller № K.53**



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical stress.
- · Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tapeon-reel, RL).

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

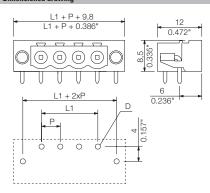
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../90LF Box

Packaged in box; with solder flange







Technical data

| In compliance with IEC 60664-1 / IE | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------|-------------------------------------|------------------------|
| • | C 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| | | | | |
| Rated current | Α | 18.5 | | 10 |
| Rated current AWG conductor | A AWG | 18.5 | | |
| | | 18.5 B | - C | |
| AWG conductor | | | - C | 10 |
| AWG conductor CSA (Use Group) | AWG | В | - C | 10 D |
| AWG conductor CSA (Use Group) Rated voltage | AWG V | B 300 | C | 10 D 300 |
| AWG conductor CSA (Use Group) Rated voltage Rated current | AWG V A | B 300 | - C | 10 D 300 |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | AWG V A | B 300 | - C - | 10 D 300 |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | AWG V A | B 300 | | 10 D 300 |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | AWG V A | B 300 18.5 | - LCP GF | 10 D 300 18.5 |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | AWG V A | B 300 18.5 | - LCP GF V-0 | 10 D 300 18.5 |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | AWG V A | B 300 18.5 | - LCP GF V-0 Cu-alloy | 10 D 300 18.5 |
| AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | AWG V A AWG | B 300 18.5 | LCP GF V-O Cu-alloy tinned | 10 D 300 18.5 |

Accessories

| o " | | 0 1 11 |
|-----------------|-----------------|------------|
| Coding | | Order No. |
| se ourse | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| A | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| LED light guide | | |
| | SL FLA 1.5/1 | 1580100000 |
| - | SL FLA 2,3/1 | 1636670000 |
| 1 | SL FLA 2,3/24 | 1636680000 |
| chile | SL FLA 3.8/1 | 1580110000 |
| - | SL FLA 9.0/1 | 1580120000 |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1780410000 |
| 3 | 10.16 | 0.400 | 72 | 1780420000 |
| 4 | 15.24 | 0.600 | 60 | 1780430000 |
| 5 | 20.32 | 0.800 | 48 | 1780440000 |
| 6 | 25.40 | 1.000 | 42 | 1780450000 |
| 7 | 30.48 | 1.200 | 36 | 1780460000 |
| 8 | 35.56 | 1.400 | 36 | 1780470000 |
| 9 | 40.64 | 1.600 | 30 | 1780480000 |
| 10 | 45.72 | 1.800 | 30 | 1780490000 |
| 11 | 50.80 | 2.000 | 24 | 1780500000 |
| 12 | 55.88 | 2.200 | 24 | 1780510000 |
| | | | | |





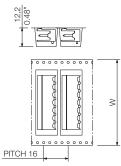
SL-SMT 5.08HC/../90LF Tape

Tape-on-reel; with solder flange





Dimensioned drawing



TAPE FEED DIRECTION

Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 350 | 1775234001 |
| 3 | 10.16 | 0.400 | 350 | 1775244001 |
| 4 | 15.24 | 0.600 | 350 | 1775254001 |
| 5 | 20.32 | 0.800 | 350 | 1775264001 |
| 6 | 25.40 | 1.000 | 350 | 1775274001 |

Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.

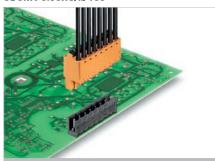
The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Tape widths: 32, 44, 56, 72, 88

K

2977770000 **Weidmüller ₹ K.55**



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical
- · Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tapeon-reel, RL).

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

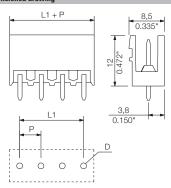
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../180 Box

Packaged in box







Technical data

| 1 1 1 10 00004.4 | /150 64004 | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | -:- | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | | | 18.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| es deservi | BLZ/SL KO OR BX | 1573010000 | | |
| | BLZ/SL KO BK BX | 1545710000 | | |
| Check Direct | | | | |
| Spacer | | | | |
| | SL AT OR | 1598300000 | | |
| | SL AT SW | 1770240000 | | |
| | | | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1837980000 |
| 3 | 10.16 | 0.400 | 100 | 1837990000 |
| 4 | 15.24 | 0.600 | 100 | 1838000000 |
| 5 | 20.32 | 0.800 | 50 | 1838010000 |
| 6 | 25.40 | 1.000 | 50 | 1838020000 |
| 7 | 30.48 | 1.200 | 50 | 1838030000 |
| 8 | 35.56 | 1.400 | 50 | 1838040000 |
| 9 | 40.64 | 1.600 | 50 | 1838050000 |
| 10 | 45.72 | 1.800 | 50 | 1838060000 |
| 11 | 50.80 | 2.000 | 50 | 1838070000 |
| 12 | 55.88 | 2.200 | 50 | 1838080000 |
| | | | | |



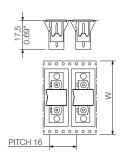


SL-SMT 5.08HC/../180 Tape

Tape-on-reel







TAPE FEED DIRECTION

Ordering data

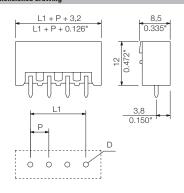
| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 5.08 | 0.200 | 250 | 1821100000 |
| 3 | 10.16 | 0.400 | 250 | 1821110000 |
| 4 | 15.24 | 0.600 | 250 | 1775594001 |
| 5 | 20.32 | 0.800 | 250 | 1775634001 |
| 6 | 25.40 | 1.000 | 250 | 1775644001 |
| 7 | 30.48 | 1.200 | 250 | 1775654001 |
| 8 | 35.56 | 1.400 | 250 | 1775664001 |

SL-SMT 5.08HC/../180G Box

Packaged in box







Ordering data

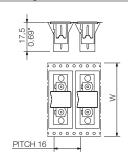
| n length | | | 3.2 mm |
|----------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | black |
| 5.08 mm | | | |
| L1 | (inch) | Qty. | Order No. |
| 5.08 | 0.200 | 100 | 1838210000 |
| 10.16 | 0.400 | 100 | 1838220000 |
| 15.24 | 0.600 | 100 | 1838230000 |
| 20.32 | 0.800 | 50 | 1838240000 |
| 25.40 | 1.000 | 50 | 1838250000 |
| 30.48 | 1.200 | 50 | 1838260000 |
| 35.56 | 1.400 | 50 | 1838270000 |
| 40.64 | 1.600 | 50 | 1838280000 |
| 45.72 | 1.800 | 50 | 1838290000 |
| 50.80 | 2.000 | 50 | 1838300000 |
| 55.88 | 2.200 | 50 | 1838310000 |
| | 5.08 mm L1 5.08 10.16 15.24 20.32 25.40 30.48 35.56 40.64 45.72 50.80 | 5.08 mm L1 (inch) 5.08 0.200 10.16 0.400 15.24 0.600 20.32 0.800 25.40 1.000 30.48 1.200 35.56 1.400 40.64 1.600 45.72 1.800 50.80 2.000 | 5.08 mm L1 (inch) Qty. 5.08 0.200 100 10.16 0.400 100 15.24 0.600 100 20.32 0.800 50 25.40 1.000 50 30.48 1.200 50 35.56 1.400 50 40.64 1.600 50 45.72 1.800 50 50.80 2.000 50 |

SL-SMT 5.08HC/../180G Tape

Tape-on-reel







TAPE FEED DIRECTION

Ordering data

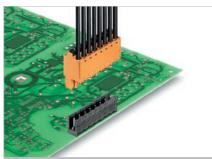
| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 250 | 1820170000 |
| 3 | 10.16 | 0.400 | 250 | 1775934001 |
| 4 | 15.24 | 0.600 | 250 | 1775944001 |
| 5 | 20.32 | 0.800 | 250 | 1775954001 |
| 6 | 25.40 | 1.000 | 250 | 1775964001 |
| 7 | 30.48 | 1.200 | 250 | 1775974001 |
| | | | | |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88



2977770000



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical
- · Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tapeon-reel, RL).

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

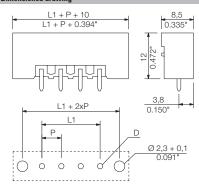
- · Gold-plated contact surfaces on request
- · Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../180F Box

Packaged in box







Technical data

| 1 1 1 10 00004.4 | /150 64004 | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | -:- | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | | | 18.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| se distant | BLZ/SL KO OR BX | 1573010000 | | |
| X | BLZ/SL KO BK BX | 1545710000 | | |
| Spacer | | | | |
| A | SL AT OR | 1598300000 | | |
| | SL AT SW | 1770240000 | | |
| | | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | _ | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1837860000 |
| 3 | 10.16 | 0.400 | 72 | 1820600000 |
| 4 | 15.24 | 0.600 | 60 | 1837870000 |
| 5 | 20.32 | 0.800 | 48 | 1820770000 |
| 6 | 25.40 | 1.000 | 42 | 1820610000 |
| 7 | 30.48 | 1.200 | 36 | 1837880000 |
| 8 | 35.56 | 1.400 | 36 | 1820620000 |
| 9 | 40.64 | 1.600 | 30 | 1837890000 |
| 10 | 45.72 | 1.800 | 30 | 1820780000 |
| 11 | 50.80 | 2.000 | 24 | 1837900000 |
| 12 | 55.88 | 2.200 | 24 | 1820630000 |
| | | | | |





2977770000 **Weidmüller № K.59**



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints aganist mechanical
- · Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tapeon-reel, RL).

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

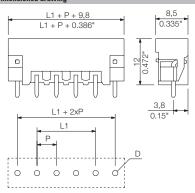
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../180LF Box

Packaged in box; with solder flange







Technical data

| Solid core H05(07) V-U Stranded H07 V-R Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade MCCording to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity | ecillical uata | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|------|--------|------|
| Solid core H05(07) V-U Stranded H07 V-R Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated woltage V 250 320 400 Rated impulse voltage V 4 4 4 UL / CUL (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor CSA (Use Group) Rated current A 200 300 Rated current A 300 300 Rated current A 400 CSA (Use Group) Rated current A 500 300 Rated current A 18.5 10 AWG conductor CSA (Use Group) Rated current A 18.5 10 AWG conductor CSA (Use Group) Rated current A 18.5 10 AWG conductor CSA (Use Group) Rated current A 300 300 Rated voltage V 300 300 Rated current A 400 0 CU-Blug V 1 Cu- | In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Stranded H07 V-R Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade mm According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity 3 2 2 Rated voltage V 250 320 400 Rated impulse voltage W 4 4 4 UL/CUL (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated current A 200 300 Rated current A 300 300 Rated current A 400 300 Rated current A 500 300 Rated current A 600 300 Rated current A 700 300 Rated current A 800 300 Rated current A 900 30 | Clamping range, max. | | | | |
| Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Follution severity F | Solid core HO5(07) V-U | | | | |
| Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage V 250 320 400 Rated impulse voltage V 250 320 400 Rated woltage V 300 300 Rated voltage V 300 300 Rated current At 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated voltage V 300 300 Rated current At 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated voltage V 300 300 Rated current At 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 CSA (Use Group) Rated voltage V 300 300 Rated voltage V 300 300 CSA (Use Group) Rated voltage V 300 300 Rated voltage V 4 4 4 4 Rated voltage V 4 5 4 4 Rated voltage V 4 5 4 4 Rated voltage V 5 5 320 Rated voltage V 7 5 5 320 Rated voltage V 9 5 5 320 Rated voltage V 9 5 | Stranded H07 V-R | | | | |
| Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. At a 27.5 24 At ambient temperature For conductor cross-section Overvoltage category Pollution severity Pollution se | Flexible H05(07) V-K | | | | |
| Stripping length Screwdriver blade mm According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity 3 2 2 Rated voltage V 250 320 400 Rated impulse voltage kV 4 4 4 UL/CUL (Use Group) B C D Rated voltage V 300 300 Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) B C D Rated voltage V 300 300 Rated voltage V 400 R | Flexible with ferrule | | | | |
| Screwdriver blade | Ferrule with plastic collar | | | | |
| According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated impulse voltage Rated woltage Rated voltage Rated woltage Rated voltage Rated current Rated voltage Rated current Rated voltage Rated current Rated voltage Rated | Stripping length | | | | |
| Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage Rated current Rated voltage Rate | Screwdriver blade | mm | | | |
| Rated current, max. A 27.5 24 24 0°C 40°C 40°C <t< td=""><td>According to norm</td><td></td><td></td><td></td><td></td></t<> | According to norm | | | | |
| At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage Rated voltage Rated woltage Rated woltage V 250 320 400 Rated impulse voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 4 18.5 D Rated voltage V 300 300 Rated current A 4 18.5 D Rated voltage V 300 300 Rated current A 4 18.5 Use Group) Rated voltage V 500 Cu-lloy Use Glinsulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d mm Solder eyelet Ø = D mm | Tightening torque range | | | | |
| For conductor cross-section Overvoltage category Pollution severity Rated voltage V 250 320 400 Rated impulse voltage V 4 4 4 VUL/CUL(Use Group) Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated current A WG Conductor AWG Rated current A WG Conductor AWG Rated current A WG Conductor AWG Rated current A Use Group Rated voltage V 300 300 Rated voltage V 300 300 Rated voltage V 300 300 Rated current A LCP GF General data Type of insulation material UL 94 flammability rating Contact base material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d mm Solder eyelet Ø = D mm I.5 | Rated current, max. | Α | 27.5 | | 24 |
| Overvoltage category III III II III | At ambient temperature | | 20°C | | 40°0 |
| Pollution severity | For conductor cross-section | | | | |
| Rated voltage | Overvoltage category | | III | III | II |
| Rated impulse voltage | Pollution severity | | 3 | 2 | 2 |
| UL / CUL (Use Group) | Rated voltage | V | 250 | 320 | 400 |
| Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 AWG conductor AWG - General data Type of insulation material LCP GF UL 94 flammability rating V-0 Cu-alloy Contact base material Cu-alloy Material of contact surface tinned 1.2, Octagonal Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.5 | Rated impulse voltage | kV | 4 | 4 | 4 |
| Rated current | UL / CUL (Use Group) | | В | C | D |
| AWG conductor AWG CSA (Use Group) B C D | Rated voltage | V | 300 | | 300 |
| CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 AWG conductor AWG - General data Type of insulation material UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.5 | Rated current | Α | 18.5 | | 10 |
| Rated voltage V 300 300 Rated current A 18.5 AWG conductor AWG General data Type of insulation material UL 94 flammability rating UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d mm Solder eyelet Ø = D mm 1.5 | AWG conductor | AWG | | - | |
| Rated current A A 18.5 AWG conductor AWG - General data Type of insulation material UL 94 flammability rating V-0 Contact base material Material of contact surface Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.5 | CSA (Use Group) | | В | C | D |
| AWG conductor AWG - General data Type of insulation material UL 94 flammability rating Under data Curalloy Material of contact surface Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.5 | Rated voltage | V | 300 | | 300 |
| General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d Solder eyelet Ø = D TLCP GF V-0 Cu-alloy tinned 1.2, Octagonal | matoa barront | | | | 18.5 |
| Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d Solder eyelet Ø = D LCP GF V-0 Cu-alloy tinned 1.2, Octagonal | AWG conductor | AWG | | - | |
| UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d Solder eyelet Ø = D V-O Cu-alloy tinned 1.2, Octagonal | General data | | | | |
| Contact base material Cualloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.5 | Type of insulation material | | | LCP GF | |
| Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.5 | , , | | | V-0 | |
| Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm | Contact Baco material | | | , | 1 |
| Solder eyelet $\emptyset = D$ mm 1.5 | | | | | |
| | Pin dimensions = d | mm | 1.2 | | onal |
| Solder eyelet Ø tolerance mm + 0,1 | Solder eyelet Ø = D | mm | | | |
| | Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|--------|-----------------|------------|
| s may | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| - | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1838440000 |
| 3 | 10.16 | 0.400 | 72 | 1838450000 |
| 4 | 15.24 | 0.600 | 60 | 1838460000 |
| 5 | 20.32 | 0.800 | 48 | 1838470000 |
| 6 | 25.40 | 1.000 | 42 | 1838480000 |
| 7 | 30.48 | 1.200 | 36 | 1838490000 |
| 8 | 35.56 | 1.400 | 36 | 1838500000 |
| 9 | 40.64 | 1.600 | 30 | 1838510000 |
| 10 | 45.72 | 1.800 | 30 | 1838520000 |
| 11 | 50.80 | 2.000 | 24 | 1838530000 |
| 12 | 55.88 | 2.200 | 24 | 1838540000 |
| | | | | |





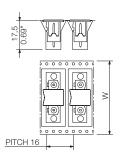
SL-SMT 5.08HC/../180LF Tape

Packaged in box; with solder flange





Dimensioned drawing



TAPE FEED DIRECTION

Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive.

The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Ordering data

| | - | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 1.5 mm |
| Colour | | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 250 | 1776364001 |
| 3 | 10.16 | 0.400 | 250 | 1776374001 |
| 4 | 15.24 | 0.600 | 250 | 1776384001 |
| 5 | 20.32 | 0.800 | 250 | 1776394001 |
| 6 | 25.40 | 1.000 | 250 | 1776404001 |

Tape widths: 32, 44, 56, 72, 88

K



High-temperature-resistant, 270°-angled male connector, optimised for the SMT process. When using the flatshaped version (L), a circuit board cut-out is required to accommodate the snap-on finger of the counterpart. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. As an option, the 1.5-mm short solder pins allow the PCB to be attached to both sides and minimise the need for solder paste. The male connectors can be manually coded or ordered as pre-coded connectors. Packaged in tape-onreel or in a cardboard box.

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

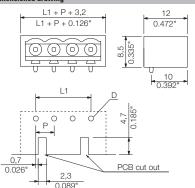
- · Gold-plated contact surfaces on request
- · Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL-SMT 5.08HC/../270GL Box

Packaged in box







Technical data

| lechnical data | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 18.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|------------|-----------------|------------|
| se ottober | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| _ | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | SL AT SW | 17702400 |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1877470000 |
| 3 | 10.16 | 0.400 | 100 | 1877490000 |
| 4 | 15.24 | 0.600 | 100 | 1877510000 |
| 5 | 20.32 | 0.800 | 50 | 1877520000 |
| 6 | 25.40 | 1.000 | 50 | 1877530000 |
| 7 | 30.48 | 1.200 | 50 | 1877540000 |
| 8 | 35.56 | 1.400 | 50 | 1877550000 |



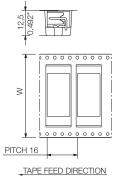


SL-SMT 5.08HC/../270GL Tape

Tape-on-reel







Ordering data

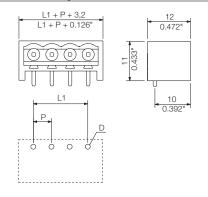
| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 350 | 1877740000 |
| 3 4 | 10.16 | 0.400 | 350 | 1877750000 |
| 4 | 15.24 | 0.600 | 350 | 1877760000 |
| 5 | 20.32 | 0.800 | 350 | 1877770000 |
| 6 | 25.40 | 1.000 | 350 | 1877780000 |
| 7 | 30.48 | 1.200 | 350 | 1877790000 |
| 8 | 35.56 | 1.400 | 350 | 1877800000 |

SL-SMT 5.08HC/../270GH Box

Packaged in box







Ordering data

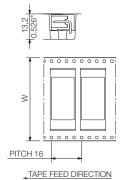
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1877370000 |
| 3 | 10.16 | 0.400 | 100 | 1877380000 |
| 4 | 15.24 | 0.600 | 100 | 1877390000 |
| 5 | 20.32 | 0.800 | 50 | 1877400000 |
| 6 | 25.40 | 1.000 | 50 | 1877410000 |
| 7 | 30.48 | 1.200 | 50 | 1877420000 |
| 8 | 35.56 | 1.400 | 50 | 1877450000 |

SL-SMT 5.08HC/../270GH Tape

Tape-on-reel





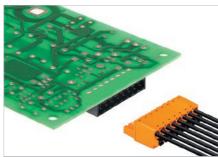


Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 335 | 1877560000 |
| 3 | 10.16 | 0.400 | 335 | 1877600000 |
| 4 | 15.24 | 0.600 | 335 | 1877610000 |
| 5 | 20.32 | 0.800 | 225 | 1877620000 |
| 6 | 25.40 | 1.000 | 265 | 1877630000 |
| 7 | 30.48 | 1.200 | 335 | 1877640000 |
| 8 | 35.56 | 1.400 | 285 | 1877650000 |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88



High-temperature-resistant, 270°-angled male connector, optimised for the SMT process. When using the flat-shaped version (L), a circuit board cut-out is required to accommodate the snap-on finger of the counterpart. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. As an option, the 1.5-mm short solder pins allow the PCB to be attached to both sides and minimise the need for solder paste. The male connectors can be manually coded or ordered as pre-coded connectors. Packaged in tape-on-reel or in a cardboard box.

Product data

IEC: 400 V / 27.5 A UL: 300 V / 18.5 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Gold-plated contact surfaces on request
- · Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%. 36 months

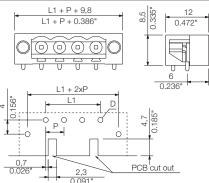
SL-SMT 5.08HC/../270FL Box

Packaged in box; with solder flange





Dimensioned drawing



Technical data

| IFO COCCA 4 | /150 0400/ | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 24 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 18.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| | Order No. |
|-----------------|-----------------|
| BLZ/SL KO OR BX | 1573010000 |
| BLZ/SL KO BK BX | 1545710000 |
| | |
| | |
| SL AT OR | 1598300000 |
| SL AT SW | 1770240000 |
| | BLZ/SL KO BK BX |

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mi | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1876850000 |
| 3 | 10.16 | 0.400 | 100 | 1876860000 |
| 4 | 15.24 | 0.600 | 100 | 1876870000 |
| 5 | 20.32 | 0.800 | 50 | 1876880000 |
| 6 | 25.40 | 1.000 | 50 | 1876890000 |
| 7 | 30.48 | 1.200 | 50 | 1876900000 |
| 8 | 35.56 | 1.400 | 50 | 1876910000 |





.**64 Weidmüller ₹** 2977770000

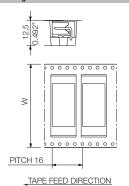
SL-SMT 5.08HC/../270FL Tape

Tape-on-reel; with solder flange





Dimensioned drawing



Ordering data

| Solder pin | length | | | 1.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 350 | 1876990000 |
| 3 | 10.16 | 0.400 | 350 | 1877000000 |
| 4 | 15.24 | 0.600 | 350 | 1877020000 |
| 5 | 20.32 | 0.800 | 350 | 1877070000 |
| 6 | 25.40 | 1.000 | 350 | 1877090000 |
| 7 | 30.48 | 1.200 | 300 | 1877110000 |
| 8 | 35.56 | 1.400 | 300 | 1877120000 |

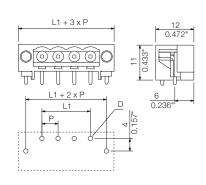
SL-SMT 5.08HC/../270FH Box

Packaged in box; with solder flange





Dimensioned drawing



Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1877190000 |
| 3 | 10.16 | 0.400 | 100 | 1877210000 |
| 4 | 15.24 | 0.600 | 100 | 1877330000 |
| 5 | 20.32 | 0.800 | 50 | 1877430000 |
| 6 | 25.40 | 1.000 | 50 | 1877460000 |
| 7 | 30.48 | 1.200 | 50 | 1877480000 |
| 8 | 35.56 | 1.400 | 50 | 1877500000 |

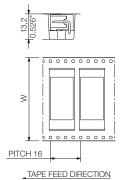
SL-SMT 5.08HC/../270FH Tape

Tape-on-reel; with solder flange





Dimensioned drawing



Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 1.5 mm |
| Colour | | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 335 | 1876920000 |
| 3 4 | 10.16 | 0.400 | 225 | 1876930000 |
| 4 | 15.24 | 0.600 | 225 | 1876940000 |
| 5 | 20.32 | 0.800 | 335 | 1876950000 |
| 6 | 25.40 | 1.000 | 225 | 1876960000 |
| 7 | 30.48 | 1.200 | 195 | 1876970000 |
| 8 | 35.56 | 1.400 | 195 | 1876980000 |

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88



SLDV-THR 5.08/../180



Double-level, high-temperature-resistant male header, optimised for SMT processing. The connection levels are offset and designed for a female plug with screw connection or PUSH IN wire connect. The male headers can be manually coded or ordered as pre-coded headers.

- Available with screw flange (F) or screw & solder
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The FLF version is featured with a soldering flange and an additional screw-fastening possibility to the PCB.

Product data

IEC: 400 V / 15 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

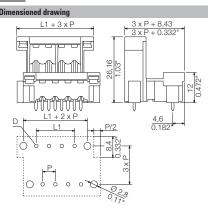
- . Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SLDV-THR 5.08/../180F

Packaged in box







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | LCP GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|--------|-----------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 52 | 1828770000 |
| 6 | 10.16 | 0.400 | 50 | 1828780000 |
| 8 | 15.24 | 0.600 | 50 | 1828790000 |
| 10 | 20.32 | 0.800 | 50 | 1828800000 |
| 12 | 25.40 | 1.000 | 28 | 1828810000 |
| 14 | 30.48 | 1.200 | 24 | 1828820000 |
| 16 | 35.56 | 1.400 | 20 | 1828830000 |
| 18 | 40.64 | 1.600 | 20 | 1828840000 |
| 20 | 45.72 | 1.800 | 20 | 1828850000 |
| 22 | 50.80 | 2.000 | 16 | 1828860000 |
| 24 | 55.88 | 2.200 | 10 | 1828870000 |



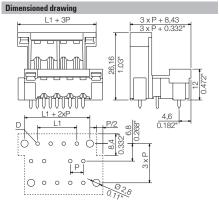


SLDV-THR 5.08/../180FLF

Packaged in box; with solder flange







Ordering data

| oraering | j aata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 52 | 1829010000 |
| 6 | 10.16 | 0.400 | 44 | 1829020000 |
| 8 | 15.24 | 0.600 | 36 | 1829030000 |
| 10 | 20.32 | 0.800 | 32 | 1829040000 |
| 12 | 25.40 | 1.000 | 28 | 1829050000 |
| 14 | 30.48 | 1.200 | 24 | 1829060000 |
| 16 | 35.56 | 1.400 | 20 | 1829070000 |
| 18 | 40.64 | 1.600 | 20 | 1829080000 |
| 20 | 45.72 | 1.800 | 16 | 1829090000 |
| 22 | 50.80 | 2.000 | 16 | 1829100000 |
| 24 | 55.88 | 2.200 | 16 | 1829110000 |

K

2977770000 **Weidmüller № K.67**

SL 5.08HC/../90



Male headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Product data

IEC: 400 V / 24 A UL: 300 V / 18.5 A



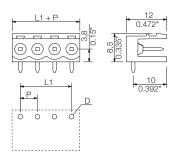
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
 Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.08HC/../90







Technical data

| I I' ' IFO COCCA 4 | / 150 0400/ | | | |
|--------------------------------|--------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 6 1984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 21 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| | cessories chapter for additional access | |
|-----------------|-----------------------------------------|------------|
| Coding | | Order No. |
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| LED light guide | | |
| | SL FLA 1.5/1 | 1580100000 |
| - | SL FLA 2,3/1 | 1636670000 |
| | SL FLA 2,3/24 | 1636680000 |
| -419 | SL FLA 3.8/1 | 1580110000 |
| _ | SL FLA 9.0/1 | 1580120000 |
| Mounting block | | |
| • | SLA BB11R OR | 1604120000 |
| | SLA BB11R SW | 1692340000 |
| 000 | | |

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1146720000 |
| 3 | 10.16 | 0.400 | 100 | 1146740000 |
| 4 | 15.24 | 0.600 | 100 | 1146770000 |
| 5 | 20.32 | 0.800 | 50 | 1146790000 |
| 6 | 25.40 | 1.000 | 50 | 1146810000 |
| 7 | 30.48 | 1.200 | 50 | 1146830000 |
| 8 | 35.56 | 1.400 | 50 | 1146850000 |
| 9 | 40.64 | 1.600 | 50 | 1146880000 |
| 10 | 45.72 | 1.800 | 50 | 1146900000 |
| 11 | 50.80 | 2.000 | 50 | 1146920000 |
| 12 | 55.88 | 2.200 | 50 | 1146940000 |
| | | | | |

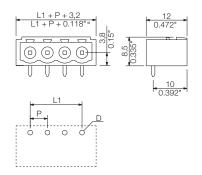
SL 5.08HC/../90G

SL 5.08HC/../90B

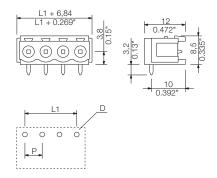












Ordering data

| Oruciiii | y uutu | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.08 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1147280000 |
| 3 | 10.16 | 0.400 | 100 | 1147310000 |
| 4 | 15.24 | 0.600 | 100 | 1147340000 |
| 5 | 20.32 | 0.800 | 50 | 1147370000 |
| 6 | 25.40 | 1.000 | 50 | 1147400000 |
| 7 | 30.48 | 1.200 | 50 | 1147420000 |
| 8 | 35.56 | 1.400 | 50 | 1147450000 |
| 9 | 40.64 | 1.600 | 50 | 1147490000 |
| 10 | 45.72 | 1.800 | 50 | 1147530000 |
| 11 | 50.80 | 2.000 | 50 | 1147570000 |
| 12 | 55.88 | 2.200 | 50 | 1147600000 |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1148030000 |
| 3 | 10.16 | 0.400 | 100 | 1148070000 |
| 4 | 15.24 | 0.600 | 100 | 1148100000 |
| 5 | 20.32 | 0.800 | 50 | 1148130000 |
| 6 | 25.40 | 1.000 | 50 | 1148170000 |
| 7 | 30.48 | 1.200 | 50 | 1148200000 |
| 8 | 35.56 | 1.400 | 50 | 1154830000 |
| 9 | 40.64 | 1.600 | 50 | 1154840000 |
| 10 | 45.72 | 1.800 | 50 | 1154850000 |
| 11 | 50.80 | 2.000 | 50 | 1154870000 |
| 12 | 55.88 | 2.200 | 50 | 1154880000 |

SL 5.08HC/../90



Male headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Product data

IEC: 400 V / 24 A UL: 300 V / 18.5 A



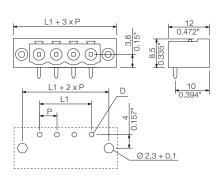
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
 Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.08HC/../90F







Technical data

| For conductor cross-section Overvoltage category Pollution severity Rated voltage V 250 320 400 Rated impulse voltage V 4 4 4000 UL / CUL (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG 0 0 Rated voltage V 300 300 Rated rurent A 18.5 10 AWG conductor AWG 0 0 Cu-alloy Material of contact surface Pin dimensions = d mm Solder eyelet Ø = D mm I.2, Octagonal | i Ecilliicai uata | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|------|----------|------|
| Solid core H05(07) V-U Stranded H07 V-R | In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Stranded H07 V·R Flexible H05(07) V·K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade According to norm mm Tightening torque range A 24 21 At ambient temperature 20°C 40°C For conductor cross-section Overvoltage category III III III Pollution severity 3 2 2 22 40°C Rated voltage V 250 320 40°C Rated impulse voltage V 4 4 400°C UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - Rated current A 24 21 AWG conductor AWG - Rated current A 18.5 10 AWG conductor AWG - Cup insulation material V - UL 94 flammability rati | Clamping range, max. | | | | |
| Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar | Solid core H05(07) V-U | | | | |
| Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Pol | Stranded H07 V-R | | | | |
| Ferrule with plastic collar Stripping length Screwdriver blade According to norm Tightening torque range Rated current, max. A 24 21 At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage V 250 320 400 Rated voltage V 250 320 400 Rated woltage V 300 300 Rated woltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) B C D Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated voltage V 300 300 Rated voltage V 300 300 CSA (Use Group) Rated voltage V 300 300 CU- Use General data Type of insulation material UL 94 flammability rating Contact base material Muserial of contact surface Pin dimensions = d mm Solder eyelet Ø = D mm I.2, Octagonal | Flexible H05(07) V-K | | | | |
| Stripping length Manual Screwdriver blade mm According to norm Tightening torque range Rated current, max. A 24 21 At ambient temperature 20°C 40°C For conductor cross-section 50°C 40°C Overvoltage category III III II III III <t< td=""><td>Flexible with ferrule</td><td></td><td></td><td></td><td></td></t<> | Flexible with ferrule | | | | |
| Screwdriver blade | Ferrule with plastic collar | | | | |
| According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category Pollution severity Rated voltage V 250 320 400 Rated impulse voltage V 250 320 400 Rated impulse voltage V 4 4 400 UL / CUL (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG CSA (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG Rated impulse voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG Rated current A 18.5 10 AWG conductor AWG Cu-valloy tinned Tigned Tinned Tinned Cu-valloy tinned Tinned Conductor ANG Cu-valloy Tinned Tinned Conductor ANG Coulontor ANG Cu-valloy Tinned Tinned Coulontor ANG Cu-valloy Tinned Tinned Coulontor ANG Cu-valloy Tinned Tinned Coulontor ANG Coulontor ANG Cu-valloy Tinned Tinned Coulontor ANG Cu-valloy Tinned Tinned Coulontor ANG Coulontor ANG Cu-valloy Tinned Tinne | Stripping length | | | | |
| Tightening torque range Rated current, max. A 24 21 At ambient temperature 20°C 40°C For conductor cross-section V 20°C 40°C Overvoltage category III | Screwdriver blade | mm | | | |
| Rated current, max. A 24 21 At ambient temperature 20°C 40°C 40°C 50°C 40°C 40°C 40°C 50°C 40°C 50°C 40°C 50°C 40°C 50°C 40°C 50°C 50°C 40°C 50°C 50°C 30°C 30°C </td <td>According to norm</td> <td></td> <td></td> <td></td> <td></td> | According to norm | | | | |
| At ambient temperature | Tightening torque range | | | | |
| For conductor cross-section Overvoltage category Pollution severity Rated voltage V 250 320 400 Rated impulse voltage V 4 4 4000 UL / CUL (Use Group) Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG Rated voltage V 300 300 Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG Rated routage V 300 300 Rated voltage V 300 400 Rated voltage V 300 400 Cu-alloy Cu-alloy Material of contact surface Pin dimensions = d mm Solder eyelet ∅ = D mm I.2, Octagonal | Rated current, max. | Α | 24 | | 21 |
| Overvoltage category III III II III II III | At ambient temperature | | 20°C | | 40°0 |
| Pollution severity | For conductor cross-section | | | | |
| Rated voltage V 250 320 400 Rated impulse voltage V 4 4 400 UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current AWG - - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - 10 General data Type of insulation material PA GF V-0 Contact base material Cu-alloy Cu-lolloy Material of contact surface mm 1.2, Ucalloy Pin dimensions = d mm 1.2, Ucalloy Solder eyelet Ø = D mm 1.4 | Overvoltage category | | III | Ш | Ш |
| Rated impulse voltage V 4 4 400t UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - General data PA GF UL 94 flammability rating V-O Contact base material PA GF UL 94 flammability rating V-O Contact base material Cu-alloy Material of contact surface mm 1.2, Octagonal Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | Pollution severity | | 3 | 2 | 2 |
| UL / CUL (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - D Rated voltage V 300 300 Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - - General data Type of insulation material PA GF - UL 94 flammability rating V-0 Contact base material V-0 Cu-alloy Material of contact surface mm 1.2, Octagonal Cu-alloy Find dimensions = d mm 1.2, Octagonal Cu-alloy Solder eyelet Ø = D mm 1.4 Cu-alloy | Rated voltage | V | 250 | 320 | 400 |
| Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - - General data Type of insulation material PA GF U. 94 flammability rating V-0 Contact base material Cu-alloy U. explored U. explored U. explored Material of contact surface mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | Rated impulse voltage | V | 4 | 4 | 4000 |
| Rated current A 18.5 10 AWG conductor AWG - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - - General data Type of insulation material PA GF F UL 94 flammability rating V-O Cu-alloy Contact base material Cu-alloy Cu-alloy Material of contact surface tinned Tinned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | UL / CUL (Use Group) | | В | C | D |
| AWG conductor AWG - CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - - General data Type of insulation material PA GF UL 94 flammability rating V-0 Contact base material Cu-alloy Cu-alloy Material of contact surface tinned Tinned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | Rated voltage | V | 300 | | 300 |
| CSA (Use Group) B C D Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - - General data Type of insulation material VA GF UL 94 flammability rating Contact base material Cu-alloy Material of contact surface I inned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | Rated current | Α | 18.5 | | 10 |
| Rated voltage V 300 300 Rated current A 18.5 10 AWG conductor AWG - - General data Type of insulation material PA GF UL 94 flammability rating V-0 Contact base material Cu-alloy Material of contact surface tinned tinned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | AWG conductor | AWG | | - | |
| Rated current A Jas. 10 Jas. AWG conductor AWG - General data Type of insulation material UL 94 flammability rating V-O Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | CSA (Use Group) | | В | C | D |
| AWG conductor AWG - General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | Rated voltage | V | 300 | | 300 |
| General data Type of insulation material UL 94 flammability rating Contact base material Waterial of contact surface Pin dimensions = d Solder eyelet Ø = D TAGF V-0 Cu-alloy tinned Ti.2, Octagonal Ti.4 | Rated current | Α | 18.5 | | 10 |
| Type of insulation material UL 94 flammability rating UL 94 flammability rating Contact base material Waterial of contact surface Vinned Vinne | AWG conductor | AWG | | - | |
| UL 94 flammability rating | General data | | | | |
| Contact base material Cu-alloy Material of contact surface tinned Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | Type of insulation material | | | PA GF | |
| Material of contact surface Pin dimensions = d mm 1.2, Octagonal Solder eyelet Ø = D mm 1.4 | UL 94 flammability rating | | | V-0 | |
| Pin dimensions = d mm 1.2, Octagonal Solder eyelet \emptyset = D mm 1.4 | Contact base material | | | Cu-alloy | / |
| Solder eyelet $\emptyset = D$ mm 1.4 | Material of contact surface | | | tinned | |
| | Pin dimensions = d | mm | 1.2 | | onal |
| | Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance mm + 0,1 | Solder evolet Ø telerance | mm | | + 0 1 | |

Accessories

| o " | | 0 1 11 |
|-----------------|-----------------|------------|
| Coding | | Order No. |
| 55 TO 100 | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| LED light guide | | |
| | SL FLA 1.5/1 | 1580100000 |
| - | SL FLA 2,3/1 | 1636670000 |
| | SL FLA 2,3/24 | 1636680000 |
| 1 | SL FLA 3.8/1 | 1580110000 |
| - | SL FLA 9.0/1 | 1580120000 |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1148610000 |
| 3 | 10.16 | 0.400 | 72 | 1148640000 |
| 4 | 15.24 | 0.600 | 60 | 1148680000 |
| 5 | 20.32 | 0.800 | 48 | 1148710000 |
| 6 | 25.40 | 1.000 | 42 | 1148740000 |
| 7 | 30.48 | 1.200 | 36 | 1148780000 |
| 8 | 35.56 | 1.400 | 36 | 1148810000 |
| 9 | 40.64 | 1.600 | 30 | 1148840000 |
| 10 | 45.72 | 1.800 | 30 | 1148880000 |
| 11 | 50.80 | 2.000 | 24 | 1148910000 |
| 12 | 55.88 | 2.200 | 24 | 1148940000 |





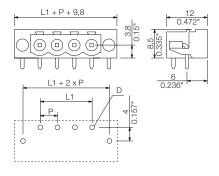
SL 5.08HC/../90LF

with solder flange





Dimensioned drawing



Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



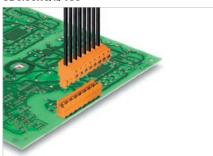
Ordering data

| Oracini | j uutu | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.08 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1149380000 |
| 3 | 10.16 | 0.400 | 72 | 1149410000 |
| 4 | 15.24 | 0.600 | 60 | 1149440000 |
| 5 | 20.32 | 0.800 | 48 | 1149480000 |
| 6 | 25.40 | 1.000 | 42 | 1149510000 |
| 7 | 30.48 | 1.200 | 36 | 1149540000 |
| 8 | 35.56 | 1.400 | 36 | 1149580000 |
| 9 | 40.64 | 1.600 | 30 | 1149610000 |
| 10 | 45.72 | 1.800 | 30 | 1149640000 |
| 11 | 50.80 | 2.000 | 24 | 1149680000 |
| 12 | 55.88 | 2.200 | 24 | 1149710000 |

I/

2977770000 **W**

SL 5.08HC/../180



Male headers made from glass-fibre-reinforced plastic with 180° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Product data

IEC: 400 V / 24 A UL: 300 V / 18.5 A



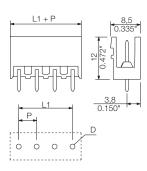
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
 Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 5.08HC/../180







Technical data

| le compliance with IEC 60664-1 | / IEC 6198/ | | | |
|--------------------------------|--------------|------|----------|------|
| Clamping range, max. | / 120 0 1301 | | | |
| Solid core H05(07) V-U | | | | |
| Stranded HO7 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 21 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 18.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | | | + 0,1 | |

Accessories

| Coding | | Order No. |
|----------------|-----------------|------------|
| 88 /M/88 | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| A | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| Mounting block | | |
| | SLA BB11R OR | 1604120000 |
| | SLA BB11R SW | 1692340000 |
| 00. | | |

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1146320000 |
| 3 | 10.16 | 0.400 | 100 | 1146340000 |
| 4 | 15.24 | 0.600 | 100 | 1146380000 |
| 5 | 20.32 | 0.800 | 50 | 1146410000 |
| 6 | 25.40 | 1.000 | 50 | 1146450000 |
| 7 | 30.48 | 1.200 | 50 | 1146470000 |
| 8 | 35.56 | 1.400 | 50 | 1146490000 |
| 9 | 40.64 | 1.600 | 50 | 1146510000 |
| 10 | 45.72 | 1.800 | 50 | 1146530000 |
| 11 | 50.80 | 2.000 | 50 | 1146550000 |
| 12 | 55.88 | 2.200 | 50 | 1146570000 |
| | | | | |





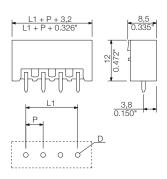
SL 5.08HC/../180G

SL 5.08HC/../180B

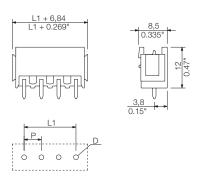












Ordering data

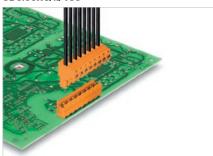
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1146730000 |
| 3 | 10.16 | 0.400 | 100 | 1146750000 |
| 4 | 15.24 | 0.600 | 100 | 1146780000 |
| 5 | 20.32 | 0.800 | 50 | 1146800000 |
| 6 | 25.40 | 1.000 | 50 | 1146820000 |
| 7 | 30.48 | 1.200 | 50 | 1146840000 |
| 8 | 35.56 | 1.400 | 50 | 1146870000 |
| 9 | 40.64 | 1.600 | 50 | 1146890000 |
| 10 | 45.72 | 1.800 | 50 | 1146910000 |
| 11 | 50.80 | 2.000 | 50 | 1146930000 |
| 12 | 55.88 | 2.200 | 50 | 1146950000 |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1147300000 |
| 3 | 10.16 | 0.400 | 100 | 1147330000 |
| 4 | 15.24 | 0.600 | 100 | 1147360000 |
| 5 | 20.32 | 0.800 | 50 | 1147390000 |
| 6 | 25.40 | 1.000 | 50 | 1147430000 |
| 7 | 30.48 | 1.200 | 50 | 1147470000 |
| 8 | 35.56 | 1.400 | 50 | 1147510000 |
| 9 | 40.64 | 1.600 | 50 | 1147540000 |
| 10 | 45.72 | 1.800 | 50 | 1147580000 |
| 11 | 50.80 | 2.000 | 50 | 1147610000 |
| 12 | 55.88 | 2.200 | 50 | 1147640000 |

2977770000

SL 5.08HC/../180



Male headers made from glass-fibre-reinforced plastic with 180° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Product data

IEC: 400 V / 24 A UL: 300 V / 18.5 A



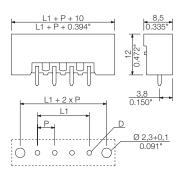
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
 Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL 5.08HC/../180F







Technical data

| ecillical uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | V | 4 | 4 | 4000 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 18.5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|----------|-----------------|------------|
| so tempo | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| - | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| - | | |

Ordering data

| Solder pir | n length | | | 3.2 mm |
|------------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1147130000 |
| 3 | 10.16 | 0.400 | 72 | 1147170000 |
| 4 | 15.24 | 0.600 | 60 | 1147200000 |
| 5 | 20.32 | 0.800 | 48 | 1147230000 |
| 6 | 25.40 | 1.000 | 42 | 1147260000 |
| 7 | 30.48 | 1.200 | 36 | 1147290000 |
| 8 | 35.56 | 1.400 | 36 | 1147320000 |
| 9 | 40.64 | 1.600 | 30 | 1147350000 |
| 10 | 45.72 | 1.800 | 30 | 1147380000 |
| 11 | 50.80 | 2.000 | 24 | 1147410000 |
| 12 | 55.88 | 2.200 | 24 | 1147440000 |





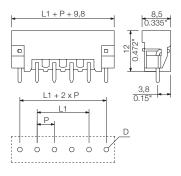
SL 5.08HC/../180LF

with solder flange





Dimensioned drawing



Ordering data

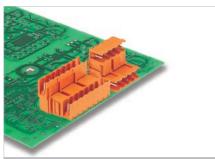
2977770000

| Oraering | j uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.08 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1147890000 |
| 3 | 10.16 | 0.400 | 72 | 1147920000 |
| 4 | 15.24 | 0.600 | 60 | 1147950000 |
| 5 | 20.32 | 0.800 | 48 | 1147990000 |
| 6 | 25.40 | 1.000 | 42 | 1148020000 |
| 7 | 30.48 | 1.200 | 36 | 1148050000 |
| 8 | 35.56 | 1.400 | 36 | 1148090000 |
| 9 | 40.64 | 1.600 | 30 | 1148120000 |
| 10 | 45.72 | 1.800 | 30 | 1148150000 |
| 11 | 50.80 | 2.000 | 24 | 1148190000 |
| 12 | 55.88 | 2.200 | 24 | 1148220000 |

K

Weidmüller 😤 K.75

SLD 5.08V/../90 & 180



Double-level male header optimised for wave soldering. The connection levels are offset and designed for a female plug with screw- or PUSH IN wire connect. All male headers can be manually coded or ordered as precoded headers.

Product data

IEC: 320 V / 17 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SLD 5.08V/90





L1 + P 0000 000 ប់ប៊ុបប៊ុបប៊ូបប៊ូបប៊ូបប៉ូ

Technical data

| 9.5 |
|-----|
| 0°C |
| |
| Ш |
| 2 |
| 320 |
| 100 |
| D |
| 300 |
| 10 |
| |
| D |
| 300 |
| 10 |
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Accessories

| Mounting block | | Order No. |
|----------------|-----------------|------------|
| | SLA BB14 OR | 1594200000 |
| - | SLA BB14 SW | 1774460000 |
| 0.11 | | |
| Coding | | |
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Spacer | | |
| | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |

Ordering data

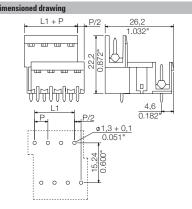
| Oradini | y uutu | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.08 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 50 | 1725170000 |
| 6 | 10.16 | 0.400 | 50 | 1725180000 |
| 8 | 15.24 | 0.600 | 50 | 1725190000 |
| 10 | 20.32 | 0.800 | 50 | 1725200000 |
| 12 | 25.40 | 1.000 | 50 | 1725210000 |
| 14 | 30.48 | 1.200 | 20 | 1725220000 |
| 16 | 35.56 | 1.400 | 20 | 1725230000 |
| 18 | 40.64 | 1.600 | 20 | 1725240000 |
| 20 | 45.72 | 1.800 | 20 | 1725250000 |
| 22 | 50.80 | 2.000 | 10 | 1725260000 |
| 24 | 55.88 | 2.200 | 10 | 1725270000 |
| | | | | |



SLD 5.08V/180







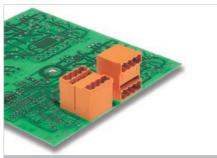
Ordering data

| Ordering | Juata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 50 | 1725650000 |
| 6 | 10.16 | 0.400 | 50 | 1725660000 |
| 8 | 15.24 | 0.600 | 50 | 1725670000 |
| 10 | 20.32 | 0.800 | 50 | 1725680000 |
| 12 | 25.40 | 1.000 | 50 | 1725690000 |
| 14 | 30.48 | 1.200 | 20 | 1725700000 |
| 16 | 35.56 | 1.400 | 20 | 1725710000 |
| 18 | 40.64 | 1.600 | 20 | 1725720000 |
| 20 | 45.72 | 1.800 | 20 | 1725730000 |
| 22 | 50.80 | 2.000 | 10 | 1725740000 |
| 24 | 55.88 | 2.200 | 10 | 1725750000 |

K

2977770000 **Weidmüller № K.77**

SLD 5.08/../90 & 180



Double-level male header optimised for wave soldering. The connections are at the same level - with access that is flush over the front board. The male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 320 V / 11 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

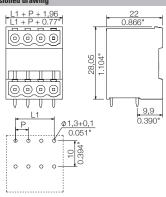
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLD 5.08/../90G







Technical data

| In compliance with IEC 60664-1 | / IEC 6198/ | | | |
|--------------------------------|--------------|------|----------|------|
| Clamping range, max. | , .20 0 1304 | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 11 | | 9.5 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 250 | 320 |
| Rated impulse voltage | V | 4 | 4 | 400 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|-------------|-----------------|------------|
| 89 (10)(92) | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| Spacer | | |
| ориооп | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| - | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 50 | 1601790000 |
| 6 | 10.16 | 0.400 | 50 | 1601800000 |
| 8 | 15.24 | 0.600 | 50 | 1601810000 |
| 10 | 20.32 | 0.800 | 50 | 1601820000 |
| 12 | 25.40 | 1.000 | 50 | 1601830000 |
| 14 | 30.48 | 1.200 | 20 | 1601840000 |
| 16 | 35.56 | 1.400 | 20 | 1601850000 |
| 18 | 40.64 | 1.600 | 20 | 1601860000 |
| 20 | 45.72 | 1.800 | 20 | 1601870000 |
| 22 | 50.80 | 2.000 | 10 | 1601880000 |
| 24 | 55.88 | 2.200 | 10 | 1601890000 |

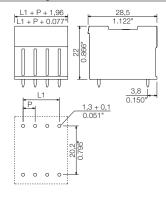








Dimensioned drawing



Ordering data

| Ordering | uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.08 | 0.200 | 50 | 1602390000 |
| 6 | 10.16 | 0.400 | 50 | 1602400000 |
| 8 | 15.24 | 0.600 | 50 | 1602410000 |
| 10 | 20.32 | 0.800 | 50 | 1602420000 |
| 12 | 25.40 | 1.000 | 50 | 1602430000 |
| 14 | 30.48 | 1.200 | 20 | 1602440000 |
| 16 | 35.56 | 1.400 | 20 | 1602450000 |
| 18 | 40.64 | 1.600 | 20 | 1602460000 |
| 20 | 45.72 | 1.800 | 20 | 1602470000 |
| 22 | 50.80 | 2.000 | 10 | 1602480000 |
| 24 | 55.88 | 2.200 | 10 | 1602490000 |

K

2977770000 **Weidmüller № K.79**

SLDF 5.08 L/F ..



Feed-through male connector with optional locking function, for mounting on front plate. Internal connection as flat-blade or solder connection. All male headers can be manually coded or ordered as pre-coded headers.

Product data

IEC: 400 V / 15 A UL: 300 V / 10 A



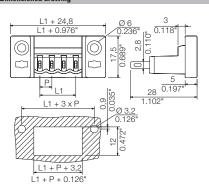
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Connectable cables with solder connection solid and flexible up to $2.5\ \text{mm}^2$ with insulating/shrink-wrap sleeve or from 2.8 mm flat blade receptacles with insulated sleeves acc. to DIN IEC 760
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLDF 5.08 L/F ..







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | | 15 | | 13 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| 55 (1000g) | BLZ/SL KO OR BX | 1573010000 | | |
| | BLZ/SL KO BK BX | 1545710000 | | |
| | | | | |
| Spacer | | | | |
| | SL AT OR | 1598300000 | | |
| | SL AT SW | 1770240000 | | |
| | | | | |
| Interlock | | | | |
| * Interest | SLDF VR BK | 1599120000 | | |
| | | | | |
| - | | | | |

Ordering data

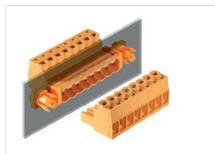
| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | Colour | | | | | | |
| Pitch | 5.08 mm | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 2 | 5.08 | 0.200 | 60 | 1599130000 | | | |
| 3 | 10.16 | 0.400 | 48 | 1599140000 | | | |
| 4 | 15.24 | 0.600 | 42 | 1599150000 | | | |
| 5 | 20.32 | 0.800 | 36 | 1599160000 | | | |
| 6 | 25.40 | 1.000 | 36 | 1599170000 | | | |
| 7 | 30.48 | 1.200 | 30 | 1599180000 | | | |
| 8 | 35.56 | 1.400 | 30 | 1599190000 | | | |
| 9 | 40.64 | 1.600 | 24 | 1599200000 | | | |
| 10 | 45.72 | 1.800 | 24 | 1599210000 | | | |
| 11 | 50.80 | 2.000 | 24 | 1599220000 | | | |
| 12 | 55.88 | 2.200 | 18 | 1599230000 | | | |
| | | | | | | | |





2977770000 **Weidmüller № K.81**

SLS 5.08/../180DF



Male plug with clamping yoke/screw connection and straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications as wall or device feed-through
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications / flying lead couplings
- SLS 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

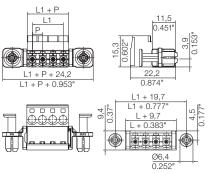
- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%. 36 months

SLS 5.08/../180DF





Dimensioned drawin



FRONT PLATE CUT-OUT

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | | |
|--------------------------------|-----------------|---------------------|----------|-------|--|
| Clamping range, max. | mm ² | | 0.133.3 | 31 | |
| Solid core H05(07) V-U | mm² | m ² 0.2. | | .22.5 | |
| Stranded H07 V-R | | 2.5 | | | |
| Flexible H05(07) V-K | mm ² | 0.22.5 | | 5 | |
| Flexible with ferrule | mm ² | | 0.22.5 | 5 | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | 5 | |
| Stripping length | mm | | 7 | | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 | |
| According to norm | | D | IN 5264 | -A | |
| Tightening torque range | Nm | | 0.40.5 | 5 | |
| Rated current, max. | Α | 21.5 | | 18 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | Ш | III | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 250 | 320 | 400 | |
| Rated impulse voltage | kV | 4 | 4 | 4 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 14 | | 10 | |
| AWG conductor | AWG | | 26-12 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | | 300 | |
| Rated current | Α | 15 | | 10 | |
| AWG conductor | AWG | | 26-12 | | |
| General data | | | | | |
| Type of insulation material | | | PBT | | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet Ø = D | | | | | |
| Solder evelet Ø tolerance | mm | | | | |
| Colder Cyclet D tolerance | | | | | |

Accessories

| Strain relief | | Order No. |
|---------------|---------------------|------------|
| (1000) | BLZ 5.08 ZE04 OR BX | 1652110000 |
| | BLZ 5.08 ZE04 BK BX | 1652130000 |
| | BLZ 5.08 ZE08 OR BX | 1652050000 |
| _ | BLZ 5.08 ZE08 BK BX | 1652070000 |
| Coding | | |
| 12 11 12 12 | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| A | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Spacer | | |
| <u></u> | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |

Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | orange | | | | | |
| Pitch | 5.08 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 5.08 | 0.200 | 54 | 1353470000 | | |
| 3 | 10.16 | 0.400 | 42 | 1353480000 | | |
| 4 | 15.24 | 0.600 | 42 | 1353490000 | | |
| 5 | 20.32 | 0.800 | 36 | 1353500000 | | |
| 6 | 25.40 | 1.000 | 30 | 1353520000 | | |
| 7 | 30.48 | 1.200 | 30 | 1353530000 | | |
| 8 | 35.56 | 1.400 | 24 | 1353540000 | | |
| 9 | 40.64 | 1.600 | 24 | 1353550000 | | |
| 10 | 45.72 | 1.800 | 24 | 1353570000 | | |
| | | | | | | |

°)(() **5.08**





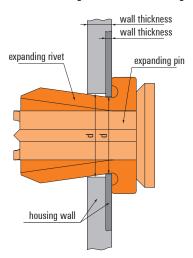


Representative deratings curve BLZP 5.08/../180 - SLS 5.08/../180 22.5 25.0 2-2-pos 2-2-5 mm² (H07V-K2.5 / EC 80047-7-1) Umgebungstemperatur T PC

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

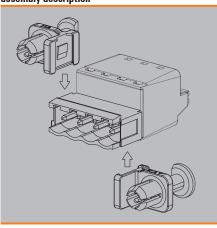
BBDF sectional drawing in the wall of the housing



hole size table

| | housing wall thickness | hole size (p) |
|------|------------------------|---------------|
| | 0.5 - 0.8 | 6.3 |
| E | 1 | 6.4 |
| Ε | 1,5 | 6.5 |
| | 2 | 6.7 |
| | 0.019 - 0.031 | 0.248 |
| inch | 0.039 | 0.252 |
| .Ĕ | 0.059 | 0.256 |
| | 0.079 | 0.264 |
| | | |

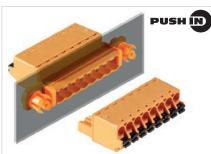
assembly description



K

2977770000 **Weidmüller № K.83**

SLF 5.08/../180DF



Male plug with PUSH IN wire connection system, with straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLF 5.08 DF & BLF 5.08 for wire-to-wire applications in the form of panel or device feed-through)
- SLF 5.08 F & BLF 5.08 F for wire-to-wire applications / flying lead couplings
- SLF 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)

Product data

IEC: 400 V / 25.9 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - 12



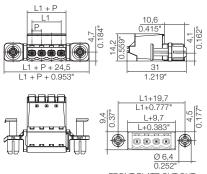
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- \bullet Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SLF 5.08/../180DF







FRONT PLATE CUT-OUT

Technical data

| In compliance with IEC 60664-1 / IE | | | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------|--------------------------|----------|--|--|
| | In compliance with IEC 60664-1 / IEC 61984 | | | | | |
| Clamping range, max. | mm ² | 0.100.01 | | | | |
| Solid core H05(07) V-U | mm² | 0.22.5 | | 5 | | |
| Stranded H07 V-R | | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | 5 | | |
| Flexible with ferrule | mm ² | | 0.22.5 | | | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | 5 | | |
| Stripping length | mm | | 10 | | | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 | | |
| According to norm | | | DIN 526 | 4 | | |
| Tightening torque range | | | | | | |
| Rated current, max. | Α | 25.9 | | 22.5 | | |
| At ambient temperature | | 20°C | | 40°C | | |
| For conductor cross-section | mm ² | | 2.5 | | | |
| Overvoltage category | | III | III | Ш | | |
| Pollution severity | | 3 | 2 | 2 | | |
| Rated voltage | V | 250 | 320 | 400 | | |
| Rated impulse voltage | V | 4 | 4 | 4000 | | |
| UL / CUL (Use Group) | | В | С | D | | |
| Rated voltage | V | 300 | | 300 | | |
| Rated current | Α | 14 | | 10 | | |
| AWG conductor | | | 00.40 | | | |
| AVVG CONDUCTOR | AWG | | 26-12 | | | |
| CSA (Use Group) | AWG | В | 26-12 C | D | | |
| 7111 G COMMUNICION | AWG V | B 300 | | D | | |
| CSA (Use Group) | | | | | | |
| CSA (Use Group) Rated voltage | V | 300 | | 300 | | |
| CSA (Use Group) Rated voltage Rated current | V A | 300 | С | 300 | | |
| CSA (Use Group) Rated voltage Rated current AWG conductor | V A | 300 | С | 300 | | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data | V A | 300 | C 26-12 | 300 | | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V A | 300 | C 26-12 PBT | 300 | | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A | 300 | 26-12 PBT V-0 | 300 | | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V A | 300 | C 26-12 PBT V-0 Cu-alloy | 300 | | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG | 300 | C 26-12 PBT V-0 Cu-alloy | 300 | | |

Accessories

| Coding | | Order No. |
|------------------|------------------|------------|
| se horez | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 274934000 |
| | SDIS 0.6X3.5X100 | 274981000 |
| / | | |
| Wire-end ferrule | | |
| 11-1 | H0,5/14S W | 900459000 |
| | H1,5/14DS SW | 902524000 |
| 11 | H2,5/14DS BL | 133310000 |

Ordering data

| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | Colour | | | | | | |
| Pitch | 5.08 mn | n | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 2 | 5.08 | 0.200 | 54 | 1353580000 | | | |
| 3 | 10.16 | 0.400 | 42 | 1353590000 | | | |
| 4 | 15.24 | 0.600 | 42 | 1353600000 | | | |
| 5 | 20.32 | 0.800 | 36 | 1353620000 | | | |
| 6 | 25.40 | 1.000 | 30 | 1353630000 | | | |
| 7 | 30.48 | 1.200 | 30 | 1353640000 | | | |
| 8 | 35.56 | 1.400 | 24 | 1353650000 | | | |
| 9 | 40.64 | 1.600 | 24 | 1353670000 | | | |
| 10 | 45.72 | 1.800 | 24 | 1353680000 | | | |

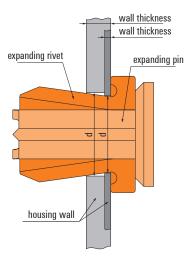




Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

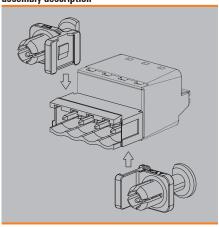
BBDF sectional drawing in the wall of the housing



hole size table

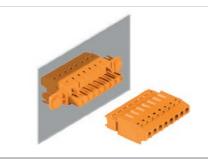
| | housing wall thickness | hole size (p) |
|------|------------------------|---------------|
| | 0.5 - 0.8 | 6.3 |
| E | 1 | 6.4 |
| Ε | 1,5 | 6.5 |
| | 2 | 6.7 |
| | 0.019 - 0.031 | 0.248 |
| inch | 0.039 | 0.252 |
| .Ĕ | 0.059 | 0.256 |
| | 0.079 | 0.264 |
| | | |

assembly description



K

BLT 5.08/../180DF



Female plug with clamping-yoke screw connection system and straight wire outlet. The female connectors provide space for labelling and can be coded. Packed in a cardboard box. HC = High Current.

• SLT 5.08 & BLT 5.08HC 180DF for wire-to-wire applications, for wall or device feed-through

Product data

IEC: 400 V / 27 A / 0.2 - 2.5 mm² UL: 300 V / 17 A / AWG 26 - 14



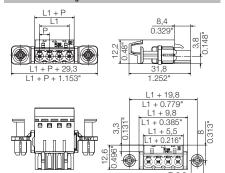
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLT 5.08/../180DF







Technical data

| I IFO COCCA 4 | / IFC C100/ | | | |
|--------------------------------|-----------------|---------|----------|------|
| In compliance with IEC 60664-1 | | | 111 1 | - |
| Clamping range, max. | mm ² | 0.102.0 | | - |
| Solid core H05(07) V-U | mm ² | | 0.22.! |) |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | |
| Flexible with ferrule | mm ² | | 0.21.5 | |
| Ferrule with plastic collar | mm ² | | 0.21.5 | i |
| Stripping length | mm | | 13 | |
| Screwdriver blade | mm | | | |
| According to norm | | - | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 17 | | 10 |
| AWG conductor | AWG | | 26-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 15 |
| AWG conductor | AWG | | 26-14 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|------------------|------------|--|--|--|
| Coding | | Order No. | | | |
| se transport | BLZ/SL KO OR BX | 1573010000 | | | |
| | BLZ/SL KO BK BX | 1545710000 | | | |
| | | | | | |
| Screwdriver | | | | | |
| P | SDIS 0.6X3.5X100 | 2749810000 | | | |
| 1 | SDS 0.6X3.5X100 | 2749340000 | | | |
| / | | | | | |
| Spacer | | | | | |
| | SL AT OR | 1598300000 | | | |
| | SL AT SW | 1770240000 | | | |
| | | | | | |

Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | orange | | |
| Pitch | 5.08 mn | 1 | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 5.08 | 0.200 | 54 | 1353130000 | | |
| 3 | 10.16 | 0.400 | 42 | 1353140000 | | |
| 4 | 15.24 | 0.600 | 42 | 1353150000 | | |
| 5 | 20.32 | 0.800 | 36 | 1353170000 | | |
| 6 | 25.40 | 1.000 | 30 | 1353180000 | | |
| 7 | 30.48 | 1.200 | 30 | 1353190000 | | |
| 8 | 35.56 | 1.400 | 24 | 1353200000 | | |
| 9 | 40.64 | 1.600 | 24 | 1353220000 | | |
| 10 | 45.72 | 1.800 | 24 | 1353230000 | | |





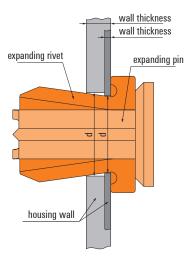




Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

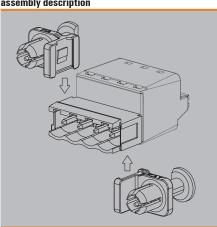
BBDF sectional drawing in the wall of the housing



hole size table

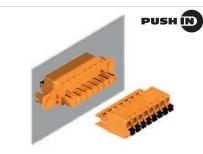
| | housing wall thickness | hole size (p) |
|------|------------------------|---------------|
| | 0.5 - 0.8 | 6.3 |
| шш | 1 | 6.4 |
| Ε | 1,5 | 6.5 |
| | 2 | 6.7 |
| | 0.019 - 0.031 | 0.248 |
| inch | 0.039 | 0.252 |
| Ĕ. | 0.059 | 0.256 |
| | 0.079 | 0.264 |
| | | |

assembly description



2977770000

BLF 5.08/../180DF



Female plug with PUSH IN wire connection system and straight outlet direction. The female connectors provide space for labelling and can be coded. Packed in a cardboard box. HC = High Current.

• SLF 5.08 & BLF 5.08HC DF for wire-to-wire applications, for wall or device feed-through

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - 12



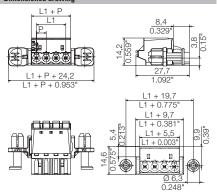
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 5.08/../180DF







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|--------|----------|------|
| Clamping range, max. | mm ² | C | 1.133.3 | 31 |
| Solid core H05(07) V-U | mm² | 0.22.5 | | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | 5 |
| Flexible with ferrule | mm ² | 1 | 0.252. | 5 |
| Ferrule with plastic collar | mm ² | 1 | 0.252. | 5 |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | 1 | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | Ш | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | | | 10 |
| AWG conductor | AWG | | 26-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Coding | | Order No. |
|------------------|------------------|------------|
| se Oures | BLZ/SL KO OR BX | 1573010000 |
| X | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| 0 | SDIS 0.6X3.5X100 | 2749810000 |
| 1 | SDS 0.6X3.5X100 | 2749340000 |
| / | | |
| Wire-end ferrule | | |
| 11-1 | H0,5/14S W | 9004590000 |
| | H1,5/14DS SW | 9025240000 |
| | H2,5/14DS BL | 1333100000 |

Ordering data

| Solder pin length | | | | | | |
|-------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Colour | | | | orange | | |
| Pitch | 5.08 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 5.08 | 0.200 | 54 | 1353240000 | | |
| 3 | 10.16 | 0.400 | 42 | 1353250000 | | |
| 4 | 15.24 | 0.600 | 42 | 1353270000 | | |
| 5 | 20.32 | 0.800 | 36 | 1353280000 | | |
| 6 | 25.40 | 1.000 | 30 | 1353340000 | | |
| 7 | 30.48 | 1.200 | 30 | 1353290000 | | |
| 8 | 35.56 | 1.400 | 24 | 1353300000 | | |
| 9 | 40.64 | 1.600 | 24 | 1353320000 | | |
| 10 | 45.72 | 1.800 | 24 | 1353330000 | | |
| | Colour Pitch Pol. 2 3 4 4 5 6 7 8 9 | Colour Pitch 5.08 mm Pol. L1 2 5.08 3 10.16 4 15.24 5 20.32 6 25.40 7 30.48 8 35.56 9 40.64 | Colour Pitch 5.08 mm Pol. L1 (inch) 2 5.08 0.200 3 10.16 0.400 4 15.24 0.600 5 20.32 0.800 6 25.40 1.000 7 30.48 1.200 8 35.56 1.400 9 40.64 1.600 | Colour Pitch 5.08 mm Pol. L1 (inch) Qty. 2 5.08 0.200 54 3 10.16 0.400 42 4 15.24 0.600 42 5 20.32 0.800 36 6 25.40 1.000 30 7 30.48 1.200 30 8 35.56 1.400 24 9 40.64 1.600 24 | | |





Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

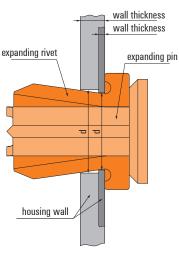
This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or PUSH IN. It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.

wall thickness wall thickness expanding pin

BBDF sectional drawing in the wall of the housing



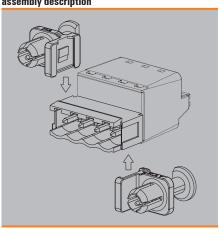
holo cizo tablo

| linie 2176 ranie | | | | |
|------------------|------------------------|---------------|--|--|
| | housing wall thickness | hole size (p) | | |
| | 0.5 - 0.8 | 6.3 | | |
| E | 1 | 6.4 | | |
| Ε | 1,5 | 6.5 | | |
| | 2 | 6.7 | | |
| | 0.019 - 0.031 | 0.248 | | |
| inch | 0.039 | 0.252 | | |
| .ш | 0.059 | 0.256 | | |
| | 0.079 | 0.264 | | |
| | | | | |

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.

assembly description





SLS 5.08/../180



Male plug with clamping yoke screw connection and straight wire outlet. The male plugs provide space for labelling and can be coded. Packed in cardboard box.

- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications / flying lead couplings
- SLS 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

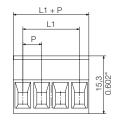
Note

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%. 36 months

SLS 5.08/../180



Dimensioned drawin





Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|----------|----------|------|
| Clamping range, max. | mm ² | 0.133.31 | | |
| Solid core H05(07) V-U | mm ² | 0.22.5 | | 5 |
| Stranded H07 V-R | | | 2.5 | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | 5 |
| Flexible with ferrule | mm ² | | 0.22.5 | 5 |
| Ferrule with plastic collar | mm ² | | 0.22.5 | 5 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | D | IN 5264 | l-A |
| Tightening torque range | | | | |
| Rated current, max. | Α | 21.5 | | 18 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 14 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| | | | | |
| Solder eyelet Ø = D | | | | |

Accessories

| Note: Refer to the Ac | cessories chapter for additional acces | sories. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------|
| Strain relief | | Order No. |
| 1890-91 | BLZ 5.08 ZE04 OR BX | 1652110000 |
| | BLZ 5.08 ZE04 BK BX | 1652130000 |
| | BLZ 5.08 ZE08 OR BX | 1652050000 |
| | BLZ 5.08 ZE08 BK BX | 1652070000 |
| Coding | | |
| | BLZ/SL KO OR BX | 1573010000 |
| THE STATE OF THE S | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Spacer | | |
| | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | | |
| Mounting block | | |
| - | SLA BB11R OR | 1604120000 |
| | SLA BB11R SW | 1692340000 |
| 00 | | |

Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Solder hill | rengui | | | | |
| Colour | | | | orange | |
| Pitch | 5.08 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 5.08 | 0.200 | 180 | 1627090000 | |
| 3 | 10.16 | 0.400 | 120 | 1627100000 | |
| 4 | 15.24 | 0.600 | 90 | 1627110000 | |
| 5 | 20.32 | 0.800 | 72 | 1627120000 | |
| 6 | 25.40 | 1.000 | 60 | 1627130000 | |
| 7 | 30.48 | 1.200 | 48 | 1627140000 | |
| 8 | 35.56 | 1.400 | 42 | 1627150000 | |
| 9 | 40.64 | 1.600 | 36 | 1627160000 | |
| 10 | 45.72 | 1.800 | 36 | 1627170000 | |
| 11 | 50.80 | 2.000 | 30 | 1627180000 | |
| 12 | 55.88 | 2.200 | 30 | 1627190000 | |
| | | | | | |

Contact base material

Cualloy

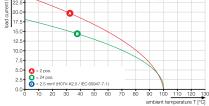
Material of contact surface

Pin dimensions = d mm

Solder eyelet Ø = D

Representative deratings curve

BLZP 5.08/../180 - SLS 5.08/../180



5.08





K.90 Weidmüller ₹ 2977770000

SLS 5.08/../180B

SLS 5.08/../180F

SLS 5.08/../180FI







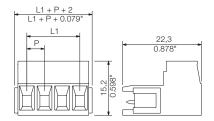


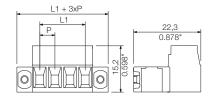
Dimensioned drawing

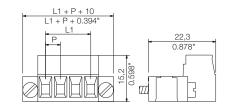




Dimensioned drawin







Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 150 | 1627240000 |
| 3 | 10.16 | 0.400 | 108 | 1627250000 |
| 4 | 15.24 | 0.600 | 84 | 1627260000 |
| 5 | 20.32 | 0.800 | 66 | 1627270000 |
| 6 | 25.40 | 1.000 | 54 | 1627280000 |
| 7 | 30.48 | 1.200 | 48 | 1627290000 |
| 8 | 35.56 | 1.400 | 42 | 1627300000 |
| 9 | 40.64 | 1.600 | 36 | 1627310000 |
| 10 | 45.72 | 1.800 | 30 | 1627320000 |
| 11 | 50.80 | 2.000 | 30 | 1627330000 |
| 12 | 55.88 | 2.200 | 24 | 1627340000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1846360000 |
| 3 | 10.16 | 0.400 | 72 | 1846370000 |
| 4 | 15.24 | 0.600 | 60 | 1846380000 |
| 5 | 20.32 | 0.800 | 48 | 1846390000 |
| 6 | 25.40 | 1.000 | 42 | 1846400000 |
| 7 | 30.48 | 1.200 | 36 | 1846410000 |
| 8 | 35.56 | 1.400 | 36 | 1846420000 |
| 9 | 40.64 | 1.600 | 30 | 1846430000 |
| 10 | 45.72 | 1.800 | 30 | 1846440000 |
| 11 | 50.80 | 2.000 | 24 | 1846450000 |
| 12 | 55.88 | 2.200 | 24 | 1846460000 |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1846210000 |
| 3 | 10.16 | 0.400 | 72 | 1846220000 |
| 4 | 15.24 | 0.600 | 60 | 1846230000 |
| 5 | 20.32 | 0.800 | 48 | 1846240000 |
| 6 | 25.40 | 1.000 | 42 | 1846250000 |
| 7 | 30.48 | 1.200 | 36 | 1846260000 |
| 8 | 35.56 | 1.400 | 36 | 1846270000 |
| 9 | 40.64 | 1.600 | 30 | 1846280000 |
| 10 | 45.72 | 1.800 | 30 | 1846290000 |
| 11 | 50.80 | 2.000 | 24 | 1846300000 |
| 12 | 55.88 | 2.200 | 24 | 1846310000 |

Additional deratings curves BLZP 5.08/../180 - SLS 5.08/../180 BLL 5.08/../180 - SLS 5.08/../180 BLL 5.08/../180 - SLS 5.08/../180 3250 225 225 24 cos. 25 cos met (HISPAND.S) (EN 600477-1) 25

2977770000 **Weidmüller ₹ K.91**



SLS 5.08/../180TB RF15



Male plug with clamping yoke screw connection and straight wire outlet. The male plug provides space for labelling and can be coded.

- The clip-on foot makes it easy to attach to the DIN rail (TS15).
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications (flying lead assemblies)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - 12



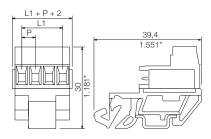
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SLS 5.08/../180TB RF15







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|--------|-----------|------|
| Clamping range, max. | mm ² | 0 | .133.3 | 1 |
| Solid core HO5(07) V-U | mm² | 0.22.5 | | j . |
| Stranded H07 V-R | | | 2.5 | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | |
| Flexible with ferrule | mm ² | | 0.22.5 | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | |
| According to norm | | [| DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 21.5 | | 18 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 14 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| | Order No. |
|------------------|---------------------------------------------------------------------------------|
| BLZ/SL KO OR BX | 1573010000 |
| BLZ/SL KO BK BX | 1545710000 |
| | |
| | |
| SDS 0.6X3.5X100 | 2749340000 |
| SDIS 0.6X3.5X100 | 2749810000 |
| | |
| | |
| SL AT OR | 1598300000 |
| SL AT SW | 1770240000 |
| | |
| | |
| SLA BB8 RH OR | 1446060000 |
| SLA BB4 OR | 1571720000 |
| | |
| | SDS 0.6X3.5X100 SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 SL AT OR SL AT SW |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 15.24 | 0.600 | 20 | 1846050000 |
| 6 | 25.40 | 1.000 | 20 | 1846060000 |
| 8 | 35.56 | 1.400 | 10 | 1846070000 |
| 10 | 45.72 | 1.800 | 10 | 1846080000 |
| 12 | 55.88 | 2.200 | 10 | 1846090000 |
| | | | | |

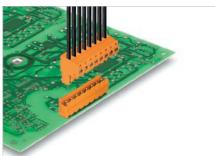






Representative deratings curve BLZP 5.08/../180 - SLS 5.08TB RF

SLS 5.08/../180TB KF35



Male plug with clamping yoke screw connection and straight wire outlet. The male plug provides space for labelling and can be coded.

- The clip-on foot makes it easy to attach to the DIN rail (TS32 / TS35).
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications (flying lead assemblies)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - 12



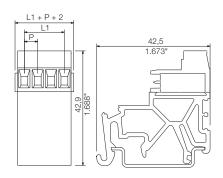
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SLS 5.08/../180TB KF35







Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------|-----------------------------------------------|----------------------------------|
| Clamping range, max. | mm² | 0 | .133.3 | 1 |
| Solid core H05(07) V-U | mm² | 0.22.5 | | , |
| Stranded H07 V-R | | | 2.5 | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | |
| Flexible with ferrule | mm ² | | 0.22.5 | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 |
| According to norm | | 1 | OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 21.5 | | 18 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Date of Security and Report | 111 | | | |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | kV | 4 B | 4 C | 4 D |
| | V | | | • |
| UL / CUL (Use Group) | | В | | D |
| UL / CUL (Use Group) Rated voltage | ٧ | B 300 | | D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) | V A AWG | B 300 14 B | C | D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | V A | B 300 14 B 300 | C 26-12 | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) | V A AWG | B 300 14 B | C 26-12 | D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | V A AWG | B 300 14 B 300 | C 26-12 | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | V A AWG | B 300 14 B 300 | 26-12 C | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V A AWG | B 300 14 B 300 | 26-12 C 26-12 PBT | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A AWG | B 300 14 B 300 | 26-12 C 26-12 PBT V-0 | D 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V A AWG | B 300 14 B 300 | 26-12 C 26-12 PBT V-0 Cu-alloy | D 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG | B 300 14 B 300 | 26-12 C 26-12 PBT V-0 | D 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | V A AWG | B 300 14 B 300 | 26-12 C 26-12 PBT V-0 Cu-alloy | D 300 10 D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG V A AWG | B 300 14 B 300 | 26-12 C 26-12 PBT V-0 Cu-alloy | D 300 10 D 300 10 |

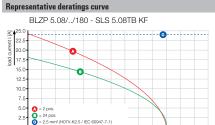
Accessories

| Coding | | Order No. |
|----------------|------------------|------------|
| so lavos | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Spacer | | |
| | SL AT OR | 1598300000 |
| | SL AT SW | 1770240000 |
| | · | |
| Mounting block | | |
| 4 | SLA BB8 RH OR | 1446060000 |
| | SLA BB4 OR | 1571720000 |
| | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 15.24 | 0.600 | 20 | 1846130000 |
| 6 | 25.40 | 1.000 | 20 | 1846140000 |
| 8 | 35.56 | 1.400 | 10 | 1846150000 |
| 10 | 45.72 | 1.800 | 10 | 1846160000 |
| 12 | 55.88 | 2.200 | 10 | 1846170000 |
| | | | | |







SLF 5.08



Male plug with PUSH IN wire connection system, with straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLF 5.08 DF & BLF 5.08 for wire-to-wire applications in the form of panel or device feed-through)
- SLF 5.08 F & BLF 5.08 F for wire-to-wire applications / flying lead couplings
- SLF 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)

Product data

IEC: 400 V / 25.9 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

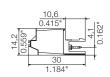
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SLF 5.08/../180











Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|--------|----------|------|
| Clamping range, max. | mm ² | C | .133.3 | 31 |
| Solid core H05(07) V-U | mm ² | 0.22.5 | | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | 5 |
| Flexible with ferrule | mm ² | | 0.22.5 | 5 |
| Ferrule with plastic collar | mm ² | | 0.22.5 | 5 |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 25.9 | | 22.5 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 14 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Coding | | Order No. |
|------------------|------------------|------------|
| es flurez | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Wire-end ferrule | | |
| | H0,5/14S W | 9004590000 |
| 12/ | H1,0/14S R | 9018560000 |
| 11 | H1,5/14DS SW | 9025240000 |
| | H2.5/14DS BL | 1333100000 |

Ordering data

| | , | | | |
|------------|----------|--------|------|------------|
| Solder pin | ı length | | | |
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1335330000 |
| 3 | 10.16 | 0.400 | 120 | 1335340000 |
| 4 | 15.24 | 0.600 | 90 | 1335350000 |
| 5 | 20.32 | 0.800 | 72 | 1335360000 |
| 6 | 25.40 | 1.000 | 60 | 1335370000 |
| 7 | 30.48 | 1.200 | 48 | 1335380000 |
| 8 | 35.56 | 1.400 | 42 | 1335390000 |
| 9 | 40.64 | 1.600 | 36 | 1335400000 |
| 10 | 45.72 | 1.800 | 36 | 1335410000 |
| 11 | 50.80 | 2.000 | 30 | 1335420000 |
| 12 | 55.88 | 2.200 | 30 | 1335430000 |





SLF 5.08/../180B

SLF 5.08/../180F

SLF 5.08/../180FI



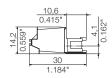


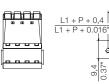


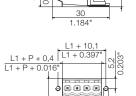


Dimensioned drawing

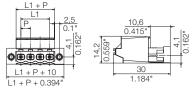
L1 + P L1 P L1 + P + 10 L1 + P + 0.394'



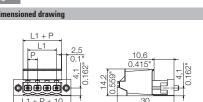




Dimensioned drawing









Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 150 | 1335440000 |
| 3 | 10.16 | 0.400 | 108 | 1335450000 |
| 4 | 15.24 | 0.600 | 78 | 1335460000 |
| 5 | 20.32 | 0.800 | 66 | 1335470000 |
| 6 | 25.40 | 1.000 | 54 | 1335480000 |
| 7 | 30.48 | 1.200 | 48 | 1335490000 |
| 8 | 35.56 | 1.400 | 42 | 1335510000 |
| 9 | 40.64 | 1.600 | 36 | 1335520000 |
| 10 | 45.72 | 1.800 | 30 | 1335530000 |
| 11 | 50.80 | 2.000 | 30 | 1335540000 |
| 12 | 55.88 | 2.200 | 24 | 1335550000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1335590000 |
| 3 | 10.16 | 0.400 | 72 | 1335620000 |
| 4 | 15.24 | 0.600 | 60 | 1335640000 |
| 5 | 20.32 | 0.800 | 54 | 1335660000 |
| 6 | 25.40 | 1.000 | 42 | 1335680000 |
| 7 | 30.48 | 1.200 | 42 | 1335700000 |
| 8 | 35.56 | 1.400 | 36 | 1335720000 |
| 9 | 40.64 | 1.600 | 30 | 1335740000 |
| 10 | 45.72 | 1.800 | 30 | 1335760000 |
| 11 | 50.80 | 2.000 | 24 | 1335780000 |
| 12 | 55.88 | 2.200 | 24 | 1335800000 |

Ordering data

| Caldan nin | lamméh. | | | |
|------------|---------|--------|------|------------|
| Solder pin | iengin | | | |
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1336400000 |
| 3 | 10.16 | 0.400 | 72 | 1336410000 |
| 4 | 15.24 | 0.600 | 60 | 1336420000 |
| 5 | 20.32 | 0.800 | 54 | 1336430000 |
| 6 | 25.40 | 1.000 | 42 | 1336440000 |
| 7 | 30.48 | 1.200 | 42 | 1336450000 |
| 8 | 35.56 | 1.400 | 36 | 1336470000 |
| 9 | 40.64 | 1.600 | 30 | 1336480000 |
| 10 | 45.72 | 1.800 | 30 | 1336490000 |
| 11 | 50.80 | 2.000 | 24 | 1336500000 |
| 12 | 55.88 | 2.200 | 24 | 1336510000 |

K

BLZP 5.08HC/../180



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous underinsertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

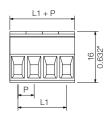
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

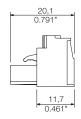
BLZP 5.08HC/../180





Nimensioned drawin





Technical data

| In compliance with IEC 60664-1, | / IEC 61984 | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------|-----------------------------------------------|----------------------------------|
| Clamping range, max. | , 120 0130-1 mm² | | 0.134 | |
| Solid core H05(07) V-U | mm² | | 0.24 | |
| Stranded H07 V-R | ••••• | | U.L | |
| Flexible H05(07) V-K | mm ² | | 0.24 | |
| Flexible with ferrule | mm ² | | 0.2 4 | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | 0.6 x 3 | 3.5, PH | 1. PZ 1 |
| According to norm | | | , | ., |
| Tightening torque range | | | | |
| Rated current, max. | А | 23 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 4 | |
| Overvoltage category | | III | III | П |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| | I V | | | - |
| | KV | В | C | D |
| UL / CUL (Use Group) Rated voltage | V | | C | |
| UL / CUL (Use Group) | | В | C | D |
| UL / CUL (Use Group) Rated voltage Rated current | V | B 300 | C 26-12 | D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor | V A | B 300 | | D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor | V A | B 300 20 | 26-12 | D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | V A AWG | B 300 20 B | 26-12 C | D 300 10 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | V A AWG | B 300 20 B 300 | 26-12 C | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | V A AWG | B 300 20 B 300 | 26-12 C 50 | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | V A AWG | B 300 20 B 300 | 26-12 C 50 | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A AWG | B 300 20 B 300 | 26-12 C 50 30-12 | D 300 10 D 300 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V A AWG | B 300 20 B 300 | 26-12 C 50 30-12 PBT V-0 Cu-alloy | D 300 10 D 300 20 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A AWG | B 300 20 B 300 | 26-12 C 50 30-12 PBT V-0 | D 300 10 D 300 20 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V A AWG | B 300 20 B 300 | 26-12 C 50 30-12 PBT V-0 Cu-alloy | D 300 10 D 300 20 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG V A AWG | B 300 20 B 300 | 26-12 C 50 30-12 PBT V-0 Cu-alloy | D 300 10 D 300 20 |

Accessories

| C4!!!£ | | Ol N |
|---------------|---------------------|------------|
| Strain relief | | Order No. |
| | BLZ 5.08 ZE04 OR BX | 1652110000 |
| | BLZ 5.08 ZE04 BK BX | 1652130000 |
| | BLZ 5.08 ZE08 OR BX | 1652050000 |
| | BLZ 5.08 ZE08 BK BX | 1652070000 |
| Coding | | |
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| | SDK PH1 X 80 | 2749410000 |
| / | SDK PZ1 X 80 | 2749440000 |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1943580000 |
| 3 | 10.16 | 0.400 | 120 | 1943590000 |
| 4 | 15.24 | 0.600 | 90 | 1943600000 |
| 5 | 20.32 | 0.800 | 72 | 1943610000 |
| 6 | 25.40 | 1.000 | 60 | 1943620000 |
| 7 | 30.48 | 1.200 | 48 | 1943630000 |
| 8 | 35.56 | 1.400 | 42 | 1943640000 |
| 9 | 40.64 | 1.600 | 36 | 1943650000 |
| 10 | 45.72 | 1.800 | 36 | 1943660000 |
| 11 | 50.80 | 2.000 | 30 | 1943670000 |
| 12 | 55.88 | 2.200 | 30 | 1943680000 |
| | | | | |

°|(() 5.08







K.96

Representative deratings curve BLZP 5.08/../180 - SL 5.08/../90 M_28.0 20.0 20.0 20.0 21.5 0 22 pos. 22 pos. 23.0 0 24 pos. 25.0 0 24 pos. 25.0 0 25 pos. 26 pos. 27.7 0 0 28 pos. 28 pos. 29 pos. 29 pos. 20.0 0 10 20 30 40 80 60 70 80 90 100 110 120 130 ambient temperature T [C]

BLZP 5.08HC/../180F

BLZP 5.08HC/../180LR

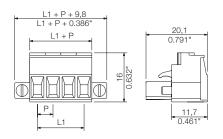
with release latch

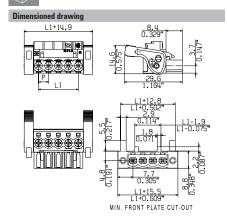






Dimensioned drawing





Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1944090000 |
| 3 | 10.16 | 0.400 | 72 | 1944100000 |
| 4 | 15.24 | 0.600 | 60 | 1944110000 |
| 5 | 20.32 | 0.800 | 48 | 1944120000 |
| 6 | 25.40 | 1.000 | 42 | 1944130000 |
| 7 | 30.48 | 1.200 | 36 | 1944140000 |
| 8 | 35.56 | 1.400 | 36 | 1944150000 |
| 9 | 40.64 | 1.600 | 30 | 1944160000 |
| 10 | 45.72 | 1.800 | 30 | 1944170000 |
| 11 | 50.80 | 2.000 | 24 | 1944180000 |
| 12 | 55.88 | 2.200 | 24 | 1944190000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1944830000 |
| 3 | 10.16 | 0.400 | 72 | 1944840000 |
| 4 | 15.24 | 0.600 | 60 | 1944850000 |
| 5 | 20.32 | 0.800 | 48 | 1944860000 |
| 6 | 25.40 | 1.000 | 42 | 1944870000 |
| 7 | 30.48 | 1.200 | 36 | 1944880000 |
| 8 | 35.56 | 1.400 | 36 | 1944890000 |
| 9 | 40.64 | 1.600 | 30 | 1944900000 |
| 10 | 45.72 | 1.800 | 30 | 1944910000 |
| 11 | 50.80 | 2.000 | 24 | 1944920000 |
| 12 | 55.88 | 2.200 | 24 | 1944930000 |

The 2-in-1 contact

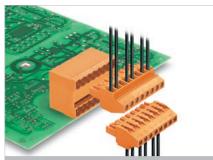
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Additional deratings curves BLZP 5.08/../180 - SLDV-THR 5.08/../180 BLZP 5.08/../180 - SLD 5.08/../180 G 22.5 22.5 23.5 24.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5 25.5

Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZP 5.08HC/../90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous underinsertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note

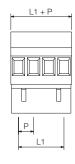
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

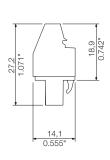
BLZP 5.08HC/../90





Dimensioned drawing





Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|---------|----------|---------|
| Clamping range, max. | mm ² | | 0.134 | |
| Solid core H05(07) V-U | mm ² | | 0.24 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.24 | |
| Flexible with ferrule | mm ² | | 0.24 | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | , |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | 0.6 x 3 | 3.5, PH | 1, PZ 1 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 23 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 4 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | Α | 20 | | 20 |
| AWG conductor | AWG | | 30-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

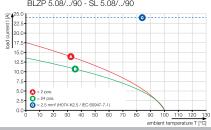
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Coding | | Order No. | |
| | BLZ/SL KO OR BX | 1573010000 | |
| | BLZ/SL KO BK BX | 1545710000 | |
| | | | |
| Screwdriver | | | |
| | SDS 0.6X3.5X100 | 2749340000 | |
| | SDIS 0.6X3.5X100 | 2749810000 | |
| | SDK PH1 X 80 | 2749410000 | |
| / | SDK PZ1 X 80 | 2749440000 | |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1948000000 |
| 3 | 10.16 | 0.400 | 120 | 1948010000 |
| 4 | 15.24 | 0.600 | 90 | 1948020000 |
| 5 | 20.32 | 0.800 | 72 | 1948030000 |
| 6 | 25.40 | 1.000 | 60 | 1948040000 |
| 7 | 30.48 | 1.200 | 48 | 1948050000 |
| 8 | 35.56 | 1.400 | 42 | 1948060000 |
| 9 | 40.64 | 1.600 | 36 | 1948070000 |
| 10 | 45.72 | 1.800 | 36 | 1948080000 |
| 11 | 50.80 | 2.000 | 30 | 1948100000 |
| 12 | 55.88 | 2.200 | 30 | 1948110000 |
| | | | | |

Representative deratings curve BLZP 5.08/../90 - SL 5.08/../90



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K.98 Weidmüller ₹ 2977770000

BLZP 5.08HC/../90F

BLZP 5.08HC/../90LR

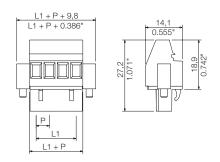
with release latch

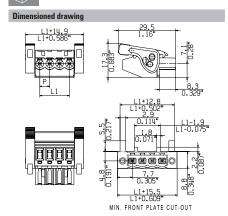






Dimensioned drawing





Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1949800000 |
| 3 | 10.16 | 0.400 | 72 | 1949810000 |
| 4 | 15.24 | 0.600 | 60 | 1949820000 |
| 5 | 20.32 | 0.800 | 48 | 1949830000 |
| 6 | 25.40 | 1.000 | 42 | 1949840000 |
| 7 | 30.48 | 1.200 | 36 | 1949850000 |
| 8 | 35.56 | 1.400 | 36 | 1949860000 |
| 9 | 40.64 | 1.600 | 30 | 1949870000 |
| 10 | 45.72 | 1.800 | 30 | 1949880000 |
| 11 | 50.80 | 2.000 | 24 | 1949890000 |
| 12 | 55.88 | 2.200 | 24 | 1949900000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1087250000 |
| 3 | 10.16 | 0.400 | 72 | 1087260000 |
| 4 | 15.24 | 0.600 | 60 | 1087270000 |
| 5 | 20.32 | 0.800 | 48 | 1087280000 |
| 6 | 25.40 | 1.000 | 42 | 1087290000 |
| 7 | 30.48 | 1.200 | 36 | 1087300000 |
| 8 | 35.56 | 1.400 | 36 | 1087310000 |
| 9 | 40.64 | 1.600 | 30 | 1087320000 |
| 10 | 45.72 | 1.800 | 30 | 1087330000 |
| 11 | 50.80 | 2.000 | 24 | 1087340000 |
| 12 | 55.88 | 2.200 | 24 | 1087350000 |

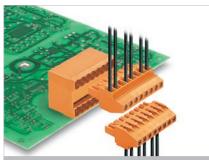
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



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BLZP 5.08HC/../270



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous underinsertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

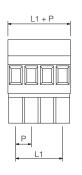
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

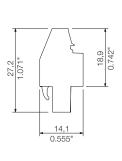
BLZP 5.08HC/../270





Dimensioned drawing





Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|---------|----------|---------|
| Clamping range, max. | mm ² | | 0.134 | |
| Solid core H05(07) V-U | mm ² | | 0.24 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.24 | |
| Flexible with ferrule | mm ² | | 0.24 | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | 5 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | 0.6 x 3 | 3.5, PH | 1, PZ 1 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 23 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 4 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 20 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | Α | 20 | | 20 |
| AWG conductor | AWG | | 30-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Coding | | Order No. |
|-------------|------------------|------------|
| 55 (100 gg | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | SDK PH1 X 80 | 2749410000 |
| _ | SDK PZ1 X 80 | 2749440000 |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1948790000 |
| 3 | 10.16 | 0.400 | 120 | 1948800000 |
| 4 | 15.24 | 0.600 | 90 | 1948810000 |
| 5 | 20.32 | 0.800 | 72 | 1948820000 |
| 6 | 25.40 | 1.000 | 60 | 1948830000 |
| 7 | 30.48 | 1.200 | 48 | 1948840000 |
| 8 | 35.56 | 1.400 | 42 | 1948850000 |
| 9 | 40.64 | 1.600 | 36 | 1948860000 |
| 10 | 45.72 | 1.800 | 36 | 1948870000 |
| 11 | 50.80 | 2.000 | 30 | 1948880000 |
| 12 | 55.88 | 2.200 | 30 | 1948890000 |
| | | | | |

°)((† 5.08







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Representative deratings curve BLZP 5.08/../270 - SL 5.08/../90 \$\frac{25.0}{12.5} \quad \frac{25.0}{15.0} \quad \quad \frac

BLZP 5.08HC/../270F

BLZP 5.08HC/../270LR

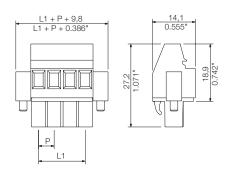
with release latch

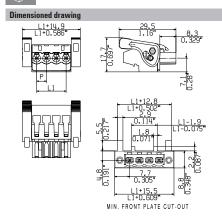






Dimensioned drawing





Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1950310000 |
| 3 | 10.16 | 0.400 | 72 | 1950320000 |
| 4 | 15.24 | 0.600 | 60 | 1950330000 |
| 5 | 20.32 | 0.800 | 48 | 1950340000 |
| 6 | 25.40 | 1.000 | 42 | 1950350000 |
| 7 | 30.48 | 1.200 | 36 | 1950360000 |
| 8 | 35.56 | 1.400 | 36 | 1950370000 |
| 9 | 40.64 | 1.600 | 30 | 1950380000 |
| 10 | 45.72 | 1.800 | 30 | 1950390000 |
| 11 | 50.80 | 2.000 | 24 | 1950400000 |
| 12 | 55.88 | 2 200 | 24 | 1950410000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1947530000 |
| 3 | 10.16 | 0.400 | 72 | 1947540000 |
| 4 | 15.24 | 0.600 | 60 | 1947550000 |
| 5 | 20.32 | 0.800 | 48 | 1947560000 |
| 6 | 25.40 | 1.000 | 42 | 1947570000 |
| 7 | 30.48 | 1.200 | 36 | 1947580000 |
| 8 | 35.56 | 1.400 | 36 | 1947590000 |
| 9 | 40.64 | 1.600 | 30 | 1947600000 |
| 10 | 45.72 | 1.800 | 30 | 1947610000 |
| 11 | 50.80 | 2.000 | 24 | 1947620000 |
| 12 | 55.88 | 2.200 | 24 | 1947630000 |

The 2-in-1 contact

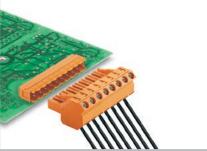
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



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K.101

BLZP 5.08HC/../225



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous underinsertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 17.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 26 - 12



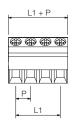
For additional articles and information, refer to eshop.weidmueller.com

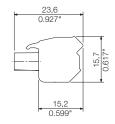
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLZP 5.08HC/../225









Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|---------|----------|---------|
| Clamping range, max. | mm ² | | 0.134 | |
| Solid core H05(07) V-U | mm ² | | 0.24 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.24 | |
| Flexible with ferrule | mm ² | | 0.24 | |
| Ferrule with plastic collar | mm ² | | 0.22.5 | 5 |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | 0.6 x 3 | 3.5, PH | 1, PZ 1 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17.5 | | 14 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 4 | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 50 | 300 |
| Rated current | Α | 15 | | 15 |
| AWG conductor | AWG | | 30-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Coding | | Order No. |
|-------------|------------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| | SDK PH1 X 80 | 2749410000 |
| / | SDK PZ1 X 80 | 2749440000 |

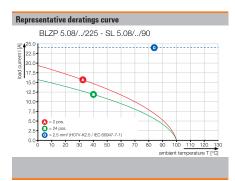
Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1946250000 |
| 3 | 10.16 | 0.400 | 120 | 1946260000 |
| 4 | 15.24 | 0.600 | 90 | 1946270000 |
| 5 | 20.32 | 0.800 | 72 | 1946280000 |
| 6 | 25.40 | 1.000 | 60 | 1946290000 |
| 7 | 30.48 | 1.200 | 48 | 1946300000 |
| 8 | 35.56 | 1.400 | 42 | 1946310000 |
| 9 | 40.64 | 1.600 | 36 | 1946320000 |
| 10 | 45.72 | 1.800 | 36 | 1946330000 |
| 11 | 50.80 | 2.000 | 30 | 1946340000 |
| 12 | 55.88 | 2.200 | 30 | 1946350000 |







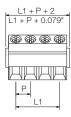


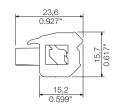
BLZP 5.08HC/../225B





Dimensioned drawing





Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 150 | 1945750000 |
| 3 | 10.16 | 0.400 | 108 | 1945760000 |
| 4 | 15.24 | 0.600 | 78 | 1945770000 |
| 5 | 20.32 | 0.800 | 66 | 1945780000 |
| 6 | 25.40 | 1.000 | 54 | 1945790000 |
| 7 | 30.48 | 1.200 | 48 | 1945800000 |
| 8 | 35.56 | 1.400 | 42 | 1945810000 |
| 9 | 40.64 | 1.600 | 36 | 1945820000 |
| 10 | 45.72 | 1.800 | 30 | 1945830000 |
| 11 | 50.80 | 2.000 | 30 | 1945840000 |
| 12 | 55.88 | 2.200 | 24 | 1945850000 |

The 2-in-1 contact

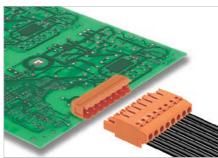
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



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2977770000 **Weidmüller ₹ K.103**

BLT 5.08HC/../180



The BLT is currently the most compact TOP connection of its type available in $5.08\ mm$ pitch.

- The BLT's "pull effect" ensures that the connected wire is pulled in to the clamping point.
- The extra flat shape allows for dense component assembly.
- The specialist for cramped installations
- The screw connect and the cable entry are located on the same side of the connector.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 27 A / 0.2 - 2.5 mm² UL: 300 V / 17 A / AWG 26 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note

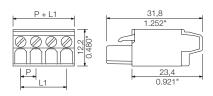
- Additional variants on request
- Gold-plated contact surfaces on request
- \bullet Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLT 5.08HC/../180





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | ļ. | | |
|-------------------------------------|-----------------|------|--------------------|------|
| Clamping range, max. | mm ² | - 1 | 0.132. | 5 |
| Solid core H05(07) V-U | mm² | | 0.22.9 | , |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | |
| Flexible with ferrule | mm ² | | 0.21.5 | |
| Ferrule with plastic collar | mm ² | | 0.21.5 | |
| Stripping length | mm | | 13 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 |
| According to norm | | - 1 | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 17 | | 10 |
| AWG conductor | AWG | | 26-14 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 15 |
| AWG conductor | AWG | | 26-14 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy tinned | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Strain relief | | Order No. |
|---------------|------------------|------------|
| | BLAT ZEO4 OR BX | 1577980000 |
| | BLAT ZEO8 OR BX | 1578010000 |
| | | |
| Coding | | |
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| P | SDS 0.6X3.5X100 | 2749340000 |
| 1 | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |

Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | orange | |
| Pitch | 5.08 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 5.08 | 0.200 | 180 | 1499560000 | |
| 3 | 10.16 | 0.400 | 120 | 1499660000 | |
| 4 | 15.24 | 0.600 | 90 | 1499760000 | |
| 5 | 20.32 | 0.800 | 72 | 1499860000 | |
| 6 | 25.40 | 1.000 | 60 | 1499960000 | |
| 7 | 30.48 | 1.200 | 48 | 1500060000 | |
| 8 | 35.56 | 1.400 | 42 | 1500160000 | |
| 9 | 40.64 | 1.600 | 36 | 1500260000 | |
| 10 | 45.72 | 1.800 | 36 | 1500360000 | |
| 11 | 50.80 | 2.000 | 30 | 1500460000 | |
| 12 | 55.88 | 2.200 | 30 | 1500560000 | |
| | | | | | |

°|() **5.08**







Representative deratings curve BLT 5.08/../180 - SL 5.08/../90 8.25.0 10.0 10.20 30 40 50 60 70 80 90 100 110 120 180 ambient temperature T [*C]

3.104 Weidmüller ₹ 2977770000

BLT 5.08HC/../180F

BLT 5.08HC/../180LR

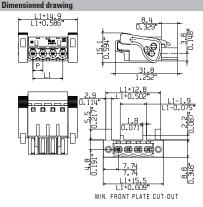
with release bar











Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | orange |
| Pitch | 5.08 mm | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1890220000 |
| 3 | 10.16 | 0.400 | 72 | 1890230000 |
| 4 | 15.24 | 0.600 | 60 | 1890240000 |
| 5 | 20.32 | 0.800 | 48 | 1890250000 |
| 6 | 25.40 | 1.000 | 42 | 1890260000 |
| 7 | 30.48 | 1.200 | 36 | 1890270000 |
| 8 | 35.56 | 1.400 | 36 | 1890280000 |
| 9 | 40.64 | 1.600 | 30 | 1890290000 |
| 10 | 45.72 | 1.800 | 30 | 1890300000 |
| 11 | 50.80 | 2.000 | 24 | 1890310000 |
| 12 | 55.88 | 2.200 | 24 | 1890320000 |

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



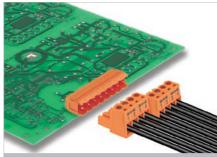
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1843990000 |
| 3 | 10.16 | 0.400 | 72 | 1844000000 |
| 4 | 15.24 | 0.600 | 60 | 1844010000 |
| 5 | 20.32 | 0.800 | 48 | 1844020000 |
| 6 | 25.40 | 1.000 | 42 | 1844030000 |
| 7 | 30.48 | 1.200 | 36 | 1844040000 |
| 8 | 35.56 | 1.400 | 36 | 1844050000 |
| 9 | 40.64 | 1.600 | 30 | 1844060000 |
| 10 | 45.72 | 1.800 | 30 | 1844070000 |
| 11 | 50.80 | 2.000 | 24 | 1844080000 |
| 12 | 55.88 | 2.200 | 24 | 1844090000 |

K

Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZ 5.08/../180 QV2



Female plug with clamping yoke screw connection and internal cross-connections for the 1-2 & 3-4 wire connections; with straight wire outlet.

- Bus signals of up to 32 A can be safely looped through
- This permits an interruption-free decoupling of individual modules from the network
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The cross-connections are clearly marked

Product data

IEC: 400 V / 17.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Additional variants on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

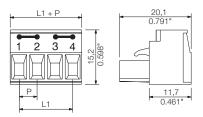
BLZ 5.08/../180 QV2

with cross-connection





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | | 0.134 | |
| Solid core H05(07) V-U | mm ² | - 1 | 0.22.9 | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.24 | |
| Flexible with ferrule | mm ² | | 0.22.5 | ; |
| Ferrule with plastic collar | mm ² | | 0.22.5 | ; |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | 1 | 0.6 x 3.5 | 5 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | | 17.5 | | 15 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | 30-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | 30-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | Order No. | | | |
| BLZ 5.08 ZE04 OR BX | 1652110000 | | | |
| BLZ 5.08 ZE04 BK BX | 1652130000 | | | |
| BLZ 5.08 ZE08 OR BX | 1652050000 | | | |
| BLZ 5.08 ZE08 BK BX | 1652070000 | | | |
| | | | | |
| BLZ/SL KO OR BX | 1573010000 | | | |
| BLZ/SL KO BK BX | 1545710000 | | | |
| | | | | |
| | | | | |
| SDS 0.6X3.5X100 | 2749340000 | | | |
| SDIS 0.6X3.5X100 | 2749810000 | | | |
| | | | | |
| | BLZ 5.08 ZE04 OR BX BLZ 5.08 ZE04 BK BX BLZ 5.08 ZE08 OR BX BLZ 5.08 ZE08 BK BX BLZ/SL KO OR BX BLZ/SL KO BK BX | | | |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 15.24 | 0.600 | 90 | 1839770000 |

5.08







K.106

Representative deratings curve

BLT 5.08/../180 - SL 5.08/../90

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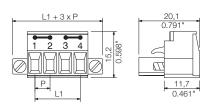
BLZ 5.08/../180F QV2

with cross-connection





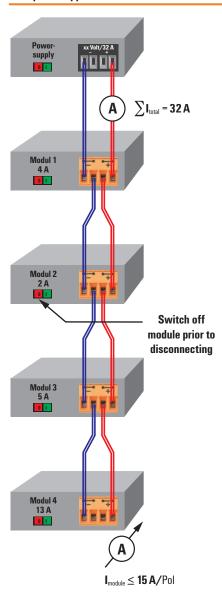
Dimensioned drawing



Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 15.24 | 0.600 | 60 | 1846870000 |

Examples of applications



32 A maximum bus current
15 A maximum module current

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.





BLF 5.08HC/../180



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - 12



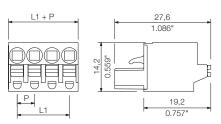
For additional articles and information, refer to eshop.weidmueller.com

- · Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLF 5.08HC/../180







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|-------------------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | 0 | .133.3 | 31 |
| Solid core H05(07) V-U | mm² | | 0.22. | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | 5 |
| Flexible with ferrule | mm ² | | 0.22.5 | 5 |
| Ferrule with plastic collar | mm ² | (| 0.252. | 5 |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | V | 4 | 4 | 4000 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | | | 10 |
| AWG conductor | AWG | | 26-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| · · · · · | | | | |
| Pin dimensions = d | mm | | | |
| Pin dimensions = d Solder eyelet Ø = D | mm | | | |

Accessories

| Coding | | Order No. |
|------------------|------------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| P | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Wire-end ferrule | | |
| | H0,5/14S W | 9004590000 |
| 12/ | H1,0/14S R | 9018560000 |
| 11 | H1,5/14DS SW | 9025240000 |
| 4 | H2,5/14DS BL | 1333100000 |

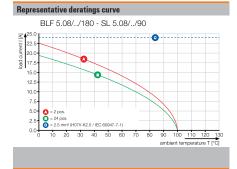
Ordering data

| Solder p | Solder pin length | | | | | |
|----------|-------------------|--------|------|------------|--|--|
| Colour | | | | orange | | |
| Pitch | 5.08 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 5.08 | 0.200 | 180 | 1013680000 | | |
| 3 | 10.16 | 0.400 | 120 | 1013690000 | | |
| 4 | 15.24 | 0.600 | 90 | 1013710000 | | |
| 5 | 20.32 | 0.800 | 72 | 1013720000 | | |
| 6 | 25.40 | 1.000 | 60 | 1013730000 | | |
| 7 | 30.48 | 1.200 | 48 | 1013740000 | | |
| 8 | 35.56 | 1.400 | 42 | 1013750000 | | |
| 9 | 40.64 | 1.600 | 36 | 1013760000 | | |
| 10 | 45.72 | 1.800 | 36 | 1013770000 | | |
| 11 | 50.80 | 2.000 | 30 | 1013780000 | | |
| 12 | 55.88 | 2.200 | 30 | 1013790000 | | |





K.108



BLF 5.08HC/../180LR

with release latch





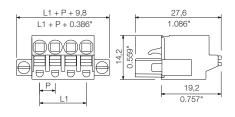


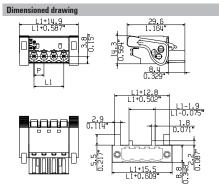
PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.

PUSH IN connection technology



Ordering data





MIN. FRONT PLATE CUT-OUT

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1013070000 |
| 3 | 10.16 | 0.400 | 72 | 1013090000 |
| 4 | 15.24 | 0.600 | 60 | 1013110000 |
| 5 | 20.32 | 0.800 | 48 | 1013120000 |
| 6 | 25.40 | 1.000 | 42 | 1013130000 |
| 7 | 30.48 | 1.200 | 36 | 1013140000 |
| 8 | 35.56 | 1.400 | 36 | 1013150000 |
| 9 | 40.64 | 1.600 | 30 | 1013160000 |
| 10 | 45.72 | 1.800 | 30 | 1013170000 |
| 11 | 50.80 | 2.000 | 24 | 1013180000 |
| 12 | 55.88 | 2.200 | 24 | 1013190000 |

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1014370000 |
| 3 | 10.16 | 0.400 | 72 | 1014380000 |
| 4 | 15.24 | 0.600 | 60 | 1014390000 |
| 5 | 20.32 | 0.800 | 48 | 1014410000 |
| 6 | 25.40 | 1.000 | 42 | 1014420000 |
| 7 | 30.48 | 1.200 | 36 | 1014430000 |
| 8 | 35.56 | 1.400 | 36 | 1014440000 |
| 9 | 40.64 | 1.600 | 30 | 1014450000 |
| 10 | 45.72 | 1.800 | 30 | 1014460000 |
| 11 | 50.80 | 2.000 | 24 | 1014470000 |
| 12 | 55.88 | 2.200 | 24 | 1014480000 |

The 2-in-1 contact

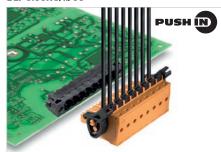
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



K.109

Connectors in 5.08 mm pitch Series BL/SL 5.08

BLF 5.08HC/../90



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - 12



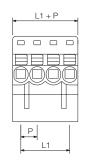
For additional articles and information, refer to eshop.weidmueller.com

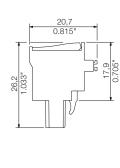
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLF 5.08HC/../90









Technical data

| In compliance with IEC 60664-1 / | TEC 61984 | + | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|------------------------|------|
| Clamping range, max. | mm ² | 0 | .133.3 | 31 |
| Solid core H05(07) V-U | mm² | | 0.22.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | 5 |
| Flexible with ferrule | mm ² | (| 0.252. | 5 |
| Ferrule with plastic collar | mm ² | (| 0.252. | 5 |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | Ш | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| | | 10 | | |
| AWG conductor | AWG | 10 | 12-26 | |
| AWG conductor General data | | 10 | | |
| AWG conductor General data Type of insulation material | | 10 | PBT | |
| AWG conductor General data Type of insulation material UL 94 flammability rating | | 10 | PBT V-0 | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | | 10 | PBT V-0 Cu-alloy | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | | 10 | PBT V-0 | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | | 10 | PBT V-0 Cu-alloy | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | AWG | 10 | PBT V-0 Cu-alloy | |

Accessories

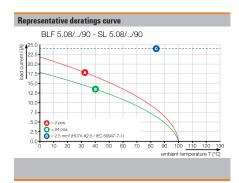
| Coding | | Order No. |
|---------------------|------------------|------------|
| 88 (1070 2) | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Wire-end ferrule | | |
| | H0,5/14S W | 9004590000 |
| 12/ | H1,0/14S R | 9018560000 |
| 11 | H1,5/14DS SW | 9025240000 |
| * | H2,5/14DS BL | 1333100000 |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1001530000 |
| 3 | 10.16 | 0.400 | 120 | 1001540000 |
| 4 | 15.24 | 0.600 | 90 | 1001550000 |
| 5 | 20.32 | 0.800 | 72 | 1001560000 |
| 6 | 25.40 | 1.000 | 60 | 1001570000 |
| 7 | 30.48 | 1.200 | 48 | 1001580000 |
| 8 | 35.56 | 1.400 | 42 | 1001590000 |
| 9 | 40.64 | 1.600 | 36 | 1001600000 |
| 10 | 45.72 | 1.800 | 36 | 1001610000 |
| 11 | 50.80 | 2.000 | 30 | 1001620000 |
| 12 | 55.88 | 2.200 | 30 | 1001630000 |







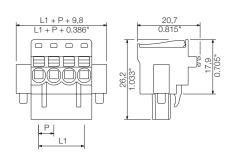
BLF 5.08HC/../90LR

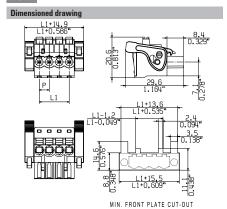
with release latch













PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.

Ordering data

| | • | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1002090000 |
| 3 | 10.16 | 0.400 | 72 | 1002100000 |
| 4 | 15.24 | 0.600 | 60 | 1002110000 |
| 5 | 20.32 | 0.800 | 48 | 1002120000 |
| 6 | 25.40 | 1.000 | 42 | 1002130000 |
| 7 | 30.48 | 1.200 | 36 | 1002140000 |
| 8 | 35.56 | 1.400 | 36 | 1002150000 |
| 9 | 40.64 | 1.600 | 30 | 1002160000 |
| 10 | 45.72 | 1.800 | 30 | 1002170000 |
| 11 | 50.80 | 2.000 | 24 | 1002180000 |
| 12 | 55.88 | 2.200 | 24 | 1002190000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1002280000 |
| 3 | 10.16 | 0.400 | 72 | 1002290000 |
| 4 | 15.24 | 0.600 | 60 | 1002300000 |
| 5 | 20.32 | 0.800 | 48 | 1002310000 |
| 6 | 25.40 | 1.000 | 42 | 1002320000 |
| 7 | 30.48 | 1.200 | 36 | 1002330000 |
| 8 | 35.56 | 1.400 | 36 | 1002340000 |
| 9 | 40.64 | 1.600 | 30 | 1002350000 |
| 10 | 45.72 | 1.800 | 30 | 1002360000 |
| 11 | 50.80 | 2.000 | 24 | 1002370000 |
| 12 | 55.88 | 2.200 | 24 | 1002380000 |

The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



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2977770000

BLF 5.08HC/../270



PUSH IN - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling since the wire-entry area and handling area are clearly separated.
- · User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder soints.

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - 12



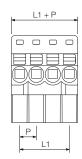
For additional articles and information, refer to eshop.weidmueller.com

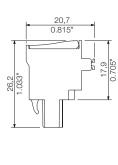
- · Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLF 5.08HC/../270









Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | C | .133.3 | 31 |
| Solid core H05(07) V-U | mm² | | 0.22.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | 5 |
| Flexible with ferrule | mm ² | | 0.252. | 5 |
| Ferrule with plastic collar | mm ² | 1 | 0.252. | 5 |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | 1 | DIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 21 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | Ш | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 18.5 | | 10 |
| AWG conductor | AWG | | 26-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | A | 10 | | 10 |
| AWG conductor | AWG | | 12-26 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Coding | | Order No. |
|------------------|------------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Wire-end ferrule | | |
| | H0,5/14S W | 9004590000 |
| 12/ | H1,0/14S R | 9018560000 |
| 11 | H1,5/14DS SW | 9025240000 |
| * | H2.5/14DS BL | 1333100000 |

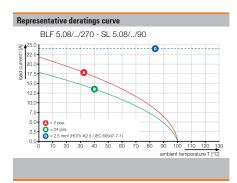
Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1982700000 |
| 3 | 10.16 | 0.400 | 120 | 1982710000 |
| 4 | 15.24 | 0.600 | 90 | 1982720000 |
| 5 | 20.32 | 0.800 | 72 | 1982730000 |
| 6 | 25.40 | 1.000 | 60 | 1982740000 |
| 7 | 30.48 | 1.200 | 48 | 1982750000 |
| 8 | 35.56 | 1.400 | 42 | 1982760000 |
| 9 | 40.64 | 1.600 | 36 | 1982770000 |
| 10 | 45.72 | 1.800 | 36 | 1982780000 |
| 11 | 50.80 | 2.000 | 30 | 1982790000 |
| 12 | 55.88 | 2.200 | 30 | 1982800000 |









BLF 5.08HC/../270LR

with release latch



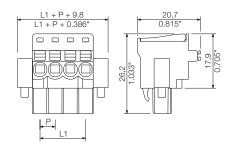


PUSH IN connection technology

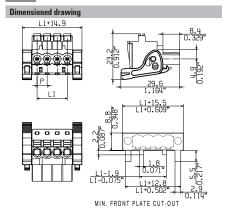
PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



Dimensioned drawing



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Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1982890000 |
| 3 | 10.16 | 0.400 | 72 | 1982900000 |
| 4 | 15.24 | 0.600 | 60 | 1982910000 |
| 5 | 20.32 | 0.800 | 48 | 1982920000 |
| 6 | 25.40 | 1.000 | 42 | 1982930000 |
| 7 | 30.48 | 1.200 | 36 | 1982940000 |
| 8 | 35.56 | 1.400 | 36 | 1982950000 |
| 9 | 40.64 | 1.600 | 30 | 1982960000 |
| 10 | 45.72 | 1.800 | 30 | 1982970000 |
| 11 | 50.80 | 2.000 | 24 | 1982980000 |
| 12 | 55.88 | 2 200 | 24 | 1982990000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1983080000 |
| 3 | 10.16 | 0.400 | 72 | 1983090000 |
| 4 | 15.24 | 0.600 | 60 | 1983100000 |
| 5 | 20.32 | 0.800 | 48 | 1983110000 |
| 6 | 25.40 | 1.000 | 42 | 1983120000 |
| 7 | 30.48 | 1.200 | 36 | 1983130000 |
| 8 | 35.56 | 1.400 | 36 | 1983140000 |
| 9 | 40.64 | 1.600 | 30 | 1983150000 |
| 10 | 45.72 | 1.800 | 30 | 1983160000 |
| 11 | 50.80 | 2.000 | 24 | 1983170000 |
| 12 | 55.88 | 2.200 | 24 | 1983180000 |

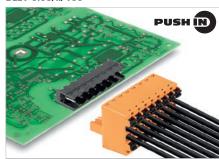
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



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BLDF 5.08/../180



Bus connector with two connections per pole with the time-saving PUSH IN connection system.

- The extremely short cross-connection allows you to safely loop through bus currents of up to 22 A.
- This permits an interruption-free decoupling of individual modules from the network.
- · Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- · An actuator must be used when connecting stranded wires with ferrules.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress one the solder joints.

Product data

IEC: 400 V / 20.8 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 12 - 26



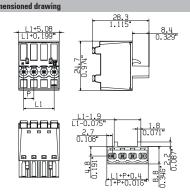
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- The test point can only be used as potential-pickup point.
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLDF 5.08/../180







MIN. FRONT PLATE CUT-OUT

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--------------------------------------|-----------|
| Clamping range, max. | mm ² | 0 | .133.3 | 1 |
| Solid core H05(07) V-U | mm² | | 0.22.5 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.22.5 | |
| Flexible with ferrule | mm ² | | 0.252. | |
| Ferrule with plastic collar | mm ² | (| 0.252. | 5 |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | |
| According to norm | | [| DIN 5264 | 1 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 20.8 | | 17.9 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| , | | | | |
| Rated voltage | V | 300 | | 300 |
| , | A | 300 18.5 | | 300 10 |
| Rated voltage Rated current AWG conductor | - | 18.5 | 12-26 | 10 |
| Rated voltage Rated current AWG conductor CSA (Use Group) | A AWG | 18.5 B | 12-26 C | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | A AWG | 18.5 B | | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG V A | 18.5 B | С | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG | 18.5 B | | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | A AWG V A | 18.5 B | C 12-26 | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG V A | 18.5 B | 12-26 PBT | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG V A | 18.5 B | 12-26 PBT V-0 | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG V A | 18.5 B | C 12-26 PBT V-0 Cu-alloy | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A | 18.5 B | 12-26 PBT V-0 | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | A AWG V A | 18.5 B | C 12-26 PBT V-0 Cu-alloy | 10 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A AWG | 18.5 B | C 12-26 PBT V-0 Cu-alloy | 10 D |

Accessories

| Coding | | Order No. |
|------------------|------------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Screwdriver | | |
| P | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Wire-end ferrule | | |
| | H0,5/14S W | 9004590000 |
| 12/ | H1,0/14S R | 9018560000 |
| 11 | H1,5/14DS SW | 9025240000 |
| 4 | H2,5/14DS BL | 1333100000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 120 | 1001150000 |
| 3 | 10.16 | 0.400 | 80 | 1001160000 |
| 4 | 15.24 | 0.600 | 60 | 1001170000 |
| 5 | 20.32 | 0.800 | 48 | 1001180000 |
| 6 | 25.40 | 1.000 | 40 | 1001190000 |
| 7 | 30.48 | 1.200 | 32 | 1001200000 |
| 8 | 35.56 | 1.400 | 28 | 1001210000 |





BLDF 5.08/../180LR

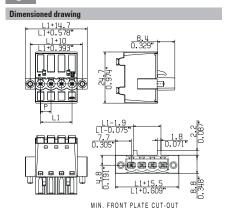
with release latch



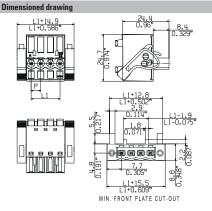
PUSH IN connection technology

PUSH IN connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanary and enable tool-less handling. The contact element made of stainless steel ensures a vibration prooved, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.





B





Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 60 | 1001220000 |
| 3 | 10.16 | 0.400 | 48 | 1012060000 |
| 4 | 15.24 | 0.600 | 40 | 1059420000 |
| 5 | 20.32 | 0.800 | 32 | 1065080000 |
| 6 | 25.40 | 1.000 | 28 | 1065090000 |
| 7 | 30.48 | 1.200 | 24 | 1065110000 |
| 8 | 35.56 | 1.400 | 24 | 1065120000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 60 | 1065130000 |
| 3 | 10.16 | 0.400 | 48 | 1065140000 |
| 4 | 15.24 | 0.600 | 40 | 1065150000 |
| 5 | 20.32 | 0.800 | 32 | 1065160000 |
| 6 | 25.40 | 1.000 | 28 | 1065170000 |
| 7 | 30.48 | 1.200 | 24 | 1065180000 |
| 8 | 35.56 | 1.400 | 24 | 1065190000 |
| | | | | |

The 2-in-1 contact

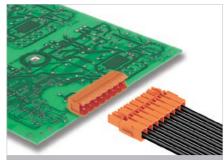
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



K

2977770000 **Weidmüller №** K

BLC 5.08/../180



The female plugs with crimp connection can be used for automatically pre-assembled cable harnesses. This results in significant cost savings.

- The contacts are optimised for crimping machines (facotry wiring).
- Contacts can also be connected with manual tools (field wiring).
- High component density because of very low height
- Large wire clamping range: 0.22-2.5 mm²
- Contacts can be delivered loose in bulk, or in tapepackaged strips.

Product data

IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - 14



For additional articles and information, refer to eshop.weidmueller.com

Note

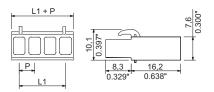
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated cross-section depends on crimp contact used.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLC 5.08/../180R





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.222. | 5 |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.52.5 | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | mm | 5 | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 21 | | 18 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 26-14 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 10 | | 10 |
| AWG conductor | AWG | | 26-14 | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder evelet Ø tolerance | mm | | | |

Accessories

| Note: Refer to the A | ccessories chapter for additional access | sories. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------|
| Coding | | Order No. |
| | BLZ/SL KO OR BX | 1573010000 |
| X | BLZ/SL KO BK BX | 1545710000 |
| | | |
| | | |
| | DFFC 0.22-0.35 SN 3000 | 1604230000 |
| - | DFFC 0.22-0.35 SN E | 1604250000 |
| 4 | DFFC 0.5-1.0 SN 3000 | 1480000000 |
| The state of the s | DFFC 0.5-1.0 SN E | 1567060000 |
| | DFFC 1.5-2.5 SN 2500 | 1480100000 |
| - | DFFC 1.5-2.5 SN E | 1567070000 |
| Pressing tool | | |
| 10 | HTF DFF | 9014140000 |
| | | |
| | | |

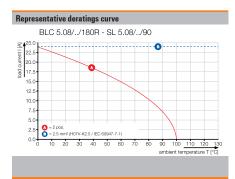
Ordering data

| length | | | |
|---------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | orange |
| 5.08 mm | 1 | | |
| L1 | (inch) | Qty. | Order No. |
| 5.08 | 0.200 | 100 | 1610490000 |
| 10.16 | 0.400 | 100 | 1610500000 |
| 15.24 | 0.600 | 100 | 1610510000 |
| 20.32 | 0.800 | 50 | 1610520000 |
| 25.40 | 1.000 | 50 | 1610530000 |
| 30.48 | 1.200 | 50 | 1610540000 |
| 35.56 | 1.400 | 50 | 1610550000 |
| 40.64 | 1.600 | 50 | 1610560000 |
| 45.72 | 1.800 | 50 | 1610570000 |
| 50.80 | 2.000 | 50 | 1610580000 |
| 55.88 | 2.200 | 50 | 1610590000 |
| | 5.08 mm L1 5.08 10.16 15.24 20.32 25.40 30.48 35.56 40.64 45.72 50.80 | 5.08 mm L1 (inch) 5.08 0.200 10.16 0.400 15.24 0.600 20.32 0.800 25.40 1.000 30.48 1.200 35.56 1.400 40.64 1.600 45.72 1.800 50.80 2.000 | 5.08 mm L1 (inch) Qty. 5.08 0.200 100 10.16 0.400 100 15.24 0.600 100 20.32 0.800 50 25.40 1.000 50 30.48 1.200 50 35.56 1.400 50 40.64 1.600 50 45.72 1.800 50 50.80 2.000 50 |

°l(† **5.08**



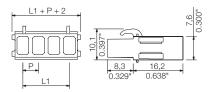




BLC 5.08/../180BR



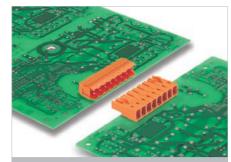




Ordering data

| Oraeriii | j uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 100 | 1649370000 |
| 3 | 10.16 | 0.400 | 100 | 1649380000 |
| 4 | 15.24 | 0.600 | 100 | 1649390000 |
| 5 | 20.32 | 0.800 | 50 | 1649400000 |
| 6 | 25.40 | 1.000 | 50 | 1649410000 |
| 7 | 30.48 | 1.200 | 50 | 1649420000 |
| 8 | 35.56 | 1.400 | 50 | 1649430000 |
| 9 | 40.64 | 1.600 | 50 | 1649440000 |
| 10 | 45.72 | 1.800 | 50 | 1649450000 |
| 11 | 50.80 | 2.000 | 50 | 1649460000 |
| 12 | 55.88 | 2.200 | 50 | 1649470000 |

BLL 5.08/../90



Female headers for mounting on the circuit board; with 90° wire outlet, optimised for the wave soldering process.

- BLL 5.08 & SL 5.08 for board-to-board connections (e.g., backplanes)
- BLL 5.08 & SLS / SLT 5.08 for board-to-wire applications (e.g., power supply for actuators)
- Available with a screw flange (F).

Product data

IEC: 400 V / 23 A UL: 300 V / 15 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

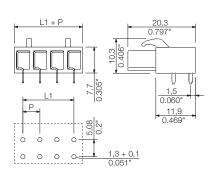
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
 In accordance with IEC 61984, OMNIMATE-connectors are
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLL 5.08/../90





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 23 | | 20 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 0 | .4 x 1.0 | 10 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|----------------|------------------------------|------------|
| se liuregi | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| | | |
| Mounting block | | |
| Mounting block | SLA BB11R OR | 1604120000 |
| Mounting block | SLA BB11R OR SLA BB11R SW | 1604120000 |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1622940000 |
| 3 | 10.16 | 0.400 | 120 | 1622950000 |
| 4 | 15.24 | 0.600 | 90 | 1622960000 |
| 5 | 20.32 | 0.800 | 72 | 1622970000 |
| 6 | 25.40 | 1.000 | 60 | 1622980000 |
| 7 | 30.48 | 1.200 | 48 | 1622990000 |
| 8 | 35.56 | 1.400 | 42 | 1623000000 |
| 9 | 40.64 | 1.600 | 36 | 1623010000 |
| 10 | 45.72 | 1.800 | 36 | 1623020000 |
| 11 | 50.80 | 2.000 | 30 | 1623030000 |
| 12 | 55.88 | 2.200 | 30 | 1623040000 |
| | | | | |

°||(† 5.08

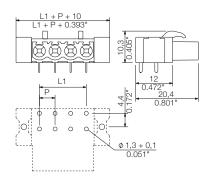
5.08

BLL 5.08/../90FI





Dimensioned drawing



Ordering data

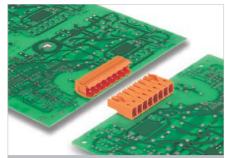
2977770000

| Oraering | uata | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | orange |
| Pitch | 5.08 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 90 | 1843750000 |
| 3 | 10.16 | 0.400 | 72 | 1843760000 |
| 4 | 15.24 | 0.600 | 60 | 1843770000 |
| 5 | 20.32 | 0.800 | 48 | 1843780000 |
| 6 | 25.40 | 1.000 | 42 | 1843790000 |
| 7 | 30.48 | 1.200 | 36 | 1843800000 |
| 8 | 35.56 | 1.400 | 36 | 1843810000 |
| 9 | 40.64 | 1.600 | 30 | 1843820000 |
| 10 | 45.72 | 1.800 | 30 | 1843830000 |
| 11 | 50.80 | 2.000 | 24 | 1843840000 |
| 12 | 55.88 | 2.200 | 24 | 1843850000 |

K

Weidmüller ₹ K.119

BLL 5.08/../180



Female headers for mounting on the circuit board; with straight wire outlet, optimised for the wave soldering process.

- BLL 5.08 & SL 5.08 for board-to-board connections (e.g., backplanes)
- BLL 5.08 & SLS / SLT 5.08 for board-to-wire applications (e.g., power supply for actuators)

Product data

IEC: 400 V / 23 A UL: 300 V / 15 A



For additional articles and information, refer to eshop.weidmueller.com

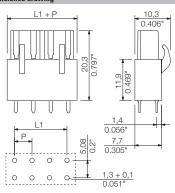
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLL 5.08/../180







Technical data

| iooiiiiioai aata | | | | |
|----------------------------------|-----------|--------|----------|------|
| In compliance with IEC 60664-1 / | IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 23 | | 20 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 400 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | | 300 |
| Rated current | Α | 15 | | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | , |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | 0 | .4 x 1.0 | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| | | | | |

Accessories

| Coding | | Order No. |
|----------------|-----------------|------------|
| | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| Mounting block | | |
| - | SLA BB11R OR | 1604120000 |
| | SLA BB11R SW | 1692340000 |
| 200 | | |

Ordering data

| Solder pi | 3.2 mm | | | |
|-----------|---------|--------|------|------------|
| Colour | | | | orange |
| Pitch | 5.08 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 5.08 | 0.200 | 180 | 1630710000 |
| 3 | 10.16 | 0.400 | 120 | 1630720000 |
| 4 | 15.24 | 0.600 | 90 | 1630730000 |
| 5 | 20.32 | 0.800 | 72 | 1630740000 |
| 6 | 25.40 | 1.000 | 60 | 1630750000 |
| 7 | 30.48 | 1.200 | 48 | 1630760000 |
| 8 | 35.56 | 1.400 | 42 | 1630770000 |
| 9 | 40.64 | 1.600 | 36 | 1630780000 |
| 10 | 45.72 | 1.800 | 36 | 1630790000 |
| 11 | 50.80 | 2.000 | 30 | 1630800000 |
| 12 | 55.88 | 2.200 | 30 | 1630810000 |
| | | | | |

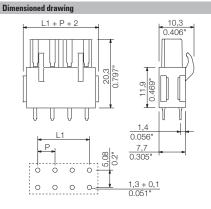




BLL 5.08/../180B







Ordering data

| Orderning data | | | | | | |
|----------------|---------|--------|------|------------|--|--|
| Solder pin | length | | | 3.2 mm | | |
| Colour | | | | orange | | |
| Pitch | 5.08 mn | n | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 5.08 | 0.200 | 204 | 1682730000 | | |
| 3 | 10.16 | 0.400 | 108 | 1682740000 | | |
| 4 | 15.24 | 0.600 | 84 | 1682750000 | | |
| 5 | 20.32 | 0.800 | 66 | 1682760000 | | |
| 6 | 25.40 | 1.000 | 54 | 1682770000 | | |
| 7 | 30.48 | 1.200 | 48 | 1682780000 | | |
| 8 | 35.56 | 1.400 | 42 | 1682790000 | | |
| 9 | 40.64 | 1.600 | 36 | 1682800000 | | |
| 10 | 45.72 | 1.800 | 30 | 1682810000 | | |
| 11 | 50.80 | 2.000 | 30 | 1682820000 | | |
| 12 | 55.88 | 2.200 | 24 | 1682830000 | | |

K

2977770000 **Weidmüller № K.121**

K

K.122 Weidmüller ₹ 2977770000

OMNIMATE® Signal PCB connectors Series RSV

| OMNIM | ATE® Si | gnal | |
|---------|---------|--------|-----|
| PCB cor | nectors | Series | RSV |

| Connectors | in | 5.00 | mm | pitch |
|------------|----|------|----|-------|
| Spring RSV | | | | |

| Explanation | L.2 |
|-------------------|-----|
| Quick selection | L.4 |
| Product selection | L.6 |

L

2977770000 **Weidmüller №** L.1

RSV 1.6 CB / CS

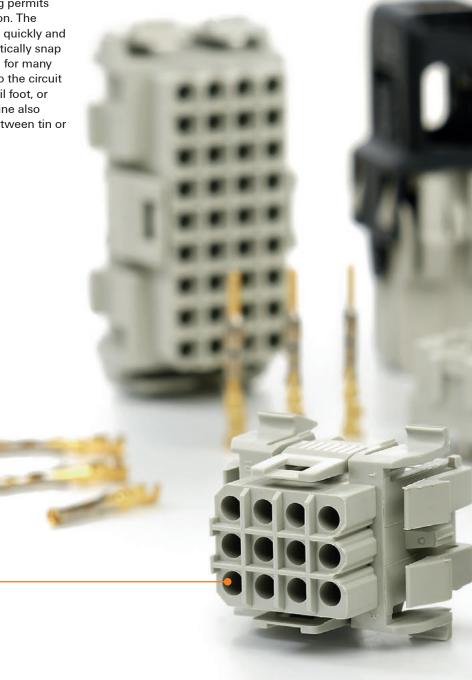
Highest flexibility with the highest density

A space miracle for the PCB and the field wiring permits up to 36 contacts to be inserted in one operation. The crimp contacts ensure that the contacts can be quickly and flexibly assembled – their plastic cases automatically snap together when joined. This system can be used for many signalling purposes: whether it is soldered on to the circuit board, mounted on the rail using a mounting-rail foot, or built in to the front of the device. This product line also includes versatile coding elements, a choice between tin or gold surfaces, and snap-on plug hoods.

Versatile system-based wiring

Very versatile assembly: different functions can be combined with different wire cross-sections (from 0.14 mm² to 2.5 mm²). Tin-plated or gold-plated contact surfaces can be custom selected from pole to pole based on your application requirements. This delivers clear cost savings. Higher voltages may require larger clearance gaps between the contacts. This problem can be solved without changing to a different type of connector by simply occupying every second pole.

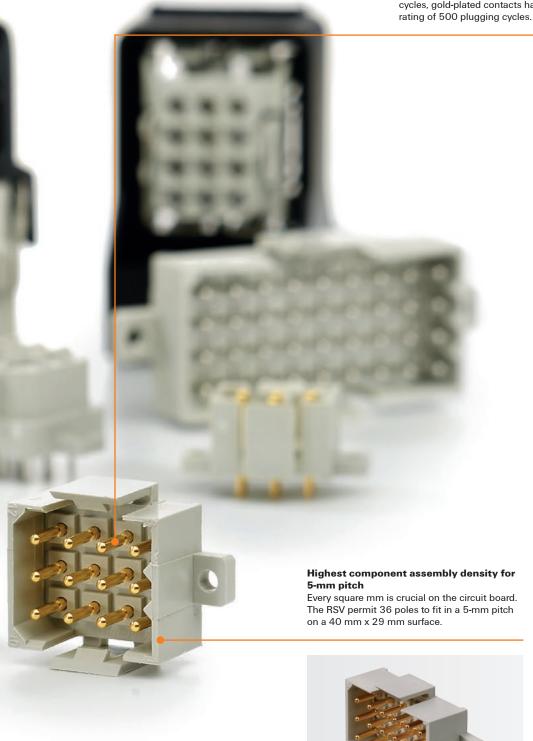




2 **Weidmüller** ₹ 2977770000

Also with gold contacts to meet application requirements

Gold-plated contacts are the best solution for very low currents or voltages, such as those used with measurements. Gold surfaces are a reliable safeguard against friction corrosion caused by long-term vibrations. Compared to tin contacts which are rated for 100 plugging cycles, gold-plated contacts have an increased

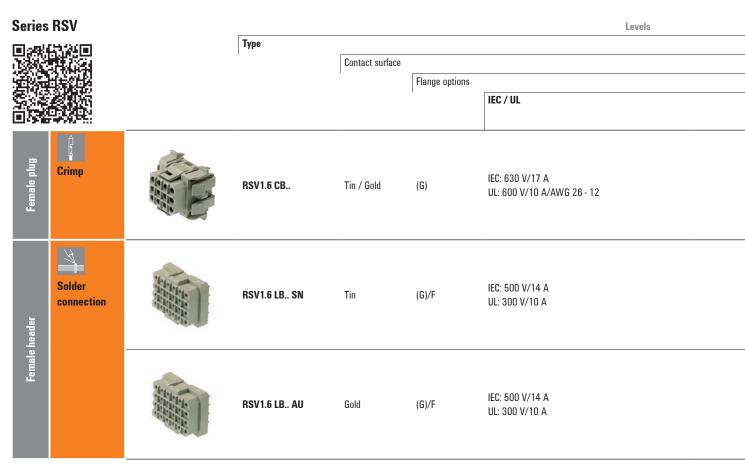


Every square mm is crucial on the circuit board. The RSV permit 36 poles to fit in a 5-mm pitch



Weidmüller ₹ L.3 2977770000

http://www.OMNIMATE.net = Wire-to-Board = Board-to-Board = Wire-to-Wire = Board-to-Wire



(G)*= Closed (without flange)

Weidmüller 🏖 2977770000

F = Flange

 $[\]star$ = not included in the article description



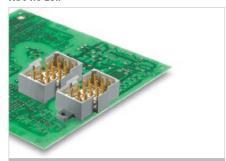






| 1 | | 1 |
|-----------------------------------|-----------------------------------|-----------------------------------------------|
| RSV1.6 LS SN | RSV1.6 LS AU | RSV1.6 CS |
| Tin | Gold | Tin / Gold |
| (G)/F | (G)/F | (G) |
| IEC: 500 V/14 A UL: 300 V/10 A | IEC: 500 V/14 A UL: 300 V/10 A | IEC: 630 V/17 A UL: 600 V/10 A/AWG 26 - 12 |
| 0 | 0 | • |
| • | | • |
| | • | • |

RSV1.6 LS..



Rectangular plug-in male connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

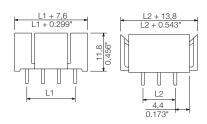
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 LS.. SN





Nimensioned drawin



Technical data

| iecnnicai data | | | | |
|-------------------------------|---------------|----------|---------|------|
| In compliance with IEC 60664- | I / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 14 | | 12 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | ll. |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 500 |
| Rated impulse voltage | kV | 4 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | | | | |
| Rated current | | | | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | | | 300 | |
| Rated current | | | 13 | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | 1 | PA 66/6 | 3 |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | | 0.97 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------|------------|--|--|
| Coding | | Order No. | | |
| | RSV1,6 KO | 1567430000 | | |
| | | | | |
| | | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|-------------|
| Colour | | | | Pebble grey |
| Pitch | 5.00 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 100 | 1440500000 |
| 6 | 10.00 | 0.394 | 50 | 1441500000 |
| 9 | 10.00 | 0.394 | 50 | 1442500000 |
| 12 | 15.00 | 0.591 | 25 | 1443500000 |
| 18 | 25.00 | 0.984 | 25 | 1444500000 |
| 24 | 25.00 | 0.984 | 20 | 1445500000 |
| 36 | 40.00 | 1.575 | 10 | 1446500000 |

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| (b | Contact base material | Cu-alloy | Representative deratings curve |
|-----|------------------------------|----------|-----------------------------------------------------------|
| | Material of contact surface | tinned | RSV1.6 CB RSV1.6 LS |
| 0 | Pin dimensions = d mm | 0.97 | ≤ ^{25,0} |
| | Solder eyelet Ø = D mm | 1.3 | 122.5 |
| D° | Solder eyelet Ø tolerance mm | + 0,1 | Be 17.5- |
| | | | 12.5 |
| | | | 7.5 |
| | | | 5.0 2.5 0 = 38 pos. 0 = 25 mr/l HOTV-42.5 / EC 60947.7-1) |
| | | | 0.0 to 20 30 40 50 60 70 60 90 100 110 120 130 |
| | | | ambient temperature T [°C] |

L.6 Weidmüller ₹ 2977770000

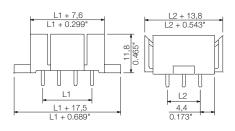
RSV1.6 LSF.. SN

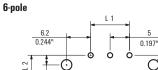
Drilling diagrams

4-pole





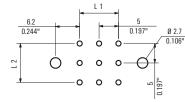




Q 0 0.197"

0.197

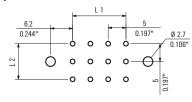
9-pole



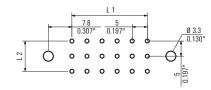
Ordering data

| Ordornig data | | | | | | |
|---------------|---------|--------|------|-------------|--|--|
| Solder pin | 3.2 mm | | | | | |
| Colour | | | | Pebble grey | | |
| Pitch | 5.00 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 4 | 5.00 | 0.197 | 100 | 1440900000 | | |
| 6 | 10.00 | 0.394 | 50 | 1441900000 | | |
| 9 | 10.00 | 0.394 | 50 | 1442900000 | | |
| 12 | 15.00 | 0.591 | 25 | 1443900000 | | |
| 18 | 25.00 | 0.984 | 25 | 1444900000 | | |
| 24 | 25.00 | 0.984 | 20 | 1445900000 | | |
| 36 | 40.00 | 1.575 | 10 | 1446900000 | | |

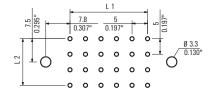
12-pole



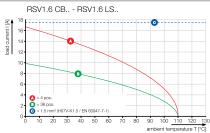
18-pole



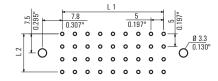
24-pole



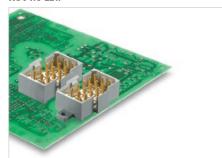
Additional deratings curves



36-pole



RSV1.6 LB..



Rectangular plug-in female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

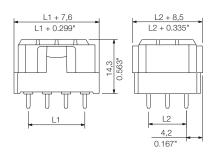
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 LB.. SN





Nimensioned drawin



Technical data

| iechnicai data | | | | |
|--------------------------------|-------------|----------|---------|-----|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 14 | | 12 |
| At ambient temperature | | 20°C | | 40° |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 500 |
| Rated impulse voltage | kV | 4 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | | | 300 | |
| Rated current | | | 10 | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | | | 300 | |
| Rated current | | | 13 | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | - | PA 66/6 | 3 |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | | 0.97 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

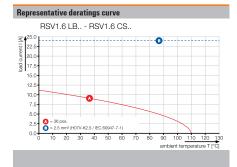
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------|------------|--|--|
| Coding | | Order No. | | |
| | RSV1,6 KO | 1567430000 | | |
| | | | | |
| | | | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|-------------|
| Colour | | | | Pebble grey |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 100 | 1440300000 |
| 6 | 10.00 | 0.394 | 50 | 1441300000 |
| 9 | 10.00 | 0.394 | 50 | 1442300000 |
| 12 | 15.00 | 0.591 | 25 | 1443300000 |
| 18 | 25.00 | 0.984 | 25 | 1444300000 |
| 24 | 25.00 | 0.984 | 20 | 1445300000 |
| 36 | 40.00 | 1.575 | 10 | 1446300000 |
| | | | | |

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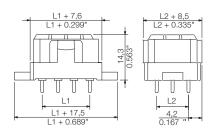


Weidmüller ₹ 2977770000

RSV1.6 LBF.. SN



Dimensioned drawing

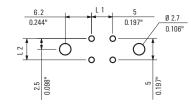


Ordering data

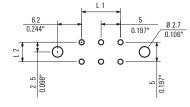
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|-------------|
| Colour | | | | Pebble grey |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 100 | 1440700000 |
| 6 | 10.00 | 0.394 | 50 | 1441700000 |
| 9 | 10.00 | 0.394 | 50 | 1442700000 |
| 12 | 15.00 | 0.591 | 25 | 1443700000 |
| 18 | 25.00 | 0.984 | 25 | 1444700000 |
| 24 | 25.00 | 0.984 | 20 | 1445700000 |
| 36 | 40.00 | 1.575 | 10 | 1446700000 |

Drilling diagrams

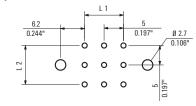
4-pole



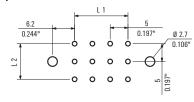
6-pole



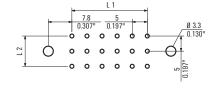
9-pole



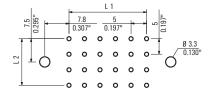
12-pole



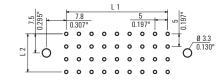
18-pole



24-pole



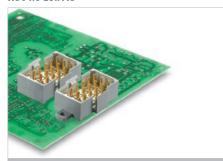
36-pole



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Weidmüller 🐔 L.9

RSV1.6 LS.. AU



Rectangular plug-in male connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A UL: 300 V / 10 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

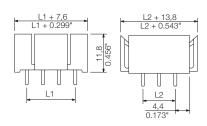
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 LS.. AU





limensioned drawing



Technical data

| i cullilicai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 14 | | 12 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 500 |
| Rated impulse voltage | kV | 4 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | | | | |
| Rated current | | | | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | | | 300 | |
| Rated current | | | 13 | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | - | PA 66/6 | 3 |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | G | old-plat | ed |
| Pin dimensions = d | mm | | 0.97 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

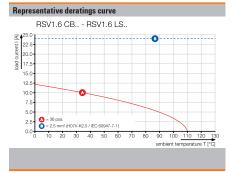
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------|------------|--|--|
| Coding | | Order No. | | |
| | RSV1,6 KO | 1567430000 | | |
| | | | | |
| | | | | |

Ordering data

| Solder p | in length | | | 3.2 mm |
|----------|-----------|--------|------|-------------|
| Colour | | | | Pebble grey |
| Pitch | 5.00 mi | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 100 | 1440400000 |
| 6 | 10.00 | 0.394 | 50 | 1441400000 |
| 9 | 10.00 | 0.394 | 50 | 1442400000 |
| 12 | 15.00 | 0.591 | 25 | 1443400000 |
| 18 | 25.00 | 0.984 | 25 | 1444400000 |
| 24 | 25.00 | 0.984 | 20 | 1445400000 |
| 36 | 40.00 | 1.575 | 10 | 1446400000 |

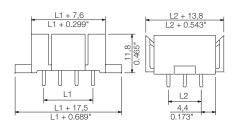
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o Weidmüller ₹ 2977770000

Drilling diagrams

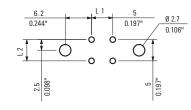




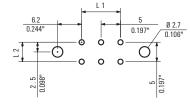
Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|-------------|
| Colour | | | | Pebble grey |
| Pitch | 5.00 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 100 | 1440800000 |
| 6 | 10.00 | 0.394 | 50 | 1441800000 |
| 9 | 10.00 | 0.394 | 50 | 1442800000 |
| 12 | 15.00 | 0.591 | 25 | 1443800000 |
| 18 | 25.00 | 0.984 | 25 | 1444800000 |
| 24 | 25.00 | 0.984 | 20 | 1445800000 |
| 36 | 40.00 | 1.575 | 10 | 1446800000 |

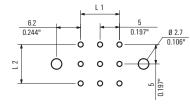
4-pole



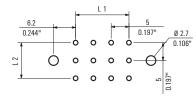
6-pole



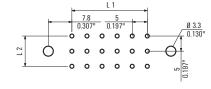
9-pole



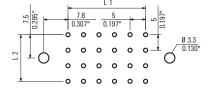
12-pole



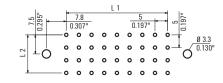
18-pole



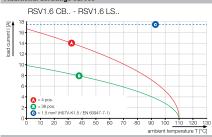
24-pole



36-pole

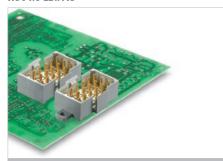


Additional deratings curves



Weidmüller ₹ L.11 2977770000

RSV1.6 LB.. AU



Rectangular plug-in female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A UL: 300 V / 10 A



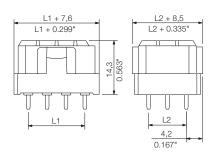
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 LB.. AU







Technical data

| lechnical data | | | | |
|-------------------------------|---------------|------|----------|------|
| In compliance with IEC 60664- | I / IEC 61984 | l . | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 14 | | 12 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 320 | 500 |
| Rated impulse voltage | kV | 4 | 2.5 | 2.5 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | | | 300 | |
| Rated current | | | 10 | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | | | 300 | |
| Rated current | | | 13 | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | - | PA 66/6 | 3 |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | G | old-plat | ed |
| Pin dimensions = d | mm | | 0.97 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------|------------|--|--|
| Coding | | Order No. | | |
| | RSV1,6 KO | 1567430000 | | |
| | | | | |
| | | | | |

Ordering data

| | , | | | |
|------------|---------|--------|------|-------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | Pebble grey |
| Pitch | 5.00 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 100 | 1440200000 |
| 6 | 10.00 | 0.394 | 50 | 1441200000 |
| 9 | 10.00 | 0.394 | 50 | 1442200000 |
| 12 | 15.00 | 0.591 | 25 | 1443200000 |
| 18 | 25.00 | 0.984 | 25 | 1444200000 |
| 24 | 25.00 | 0.984 | 20 | 1445200000 |
| 36 | 40.00 | 1.575 | 10 | 1446200000 |

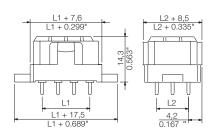
Representative deratings curve RSV1.6 LB.. - RSV1.6 CS..

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RSV1.6 LBF.. AU



Dimensioned drawing

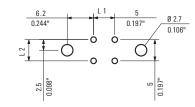


Ordering data

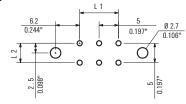
| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|-------------|
| Colour | | | | Pebble grey |
| Pitch | 5.00 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 5.00 | 0.197 | 100 | 1440600000 |
| 6 | 10.00 | 0.394 | 50 | 1441600000 |
| 9 | 10.00 | 0.394 | 50 | 1442600000 |
| 12 | 15.00 | 0.591 | 25 | 1443600000 |
| 18 | 25.00 | 0.984 | 25 | 1444600000 |
| 24 | 25.00 | 0.984 | 20 | 1445600000 |
| 36 | 40.00 | 1.575 | 10 | 1446600000 |

Drilling diagrams

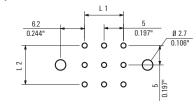
4-pole



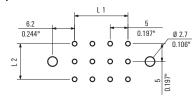
6-pole



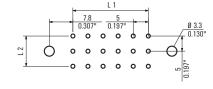
9-pole



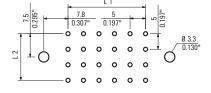
12-pole



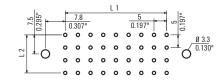
18-pole



24-pole



36-pole



RSV1.6 LB.. - RSV1.6 CS..

Additional deratings curves

2977770000 **Weidmüller № L.13**

RSV1.6 CS.. & CB..



Rectangular plug-in connector for use with crimp contacts. Can be used as universal coupling, but also with the PCB variations. The crimp contacts guarantee a high connection density. The CS 1.6 or CB 1.6 contacts are used here. The connectors can be coded and locked together with their mates. Supplied in cardboard box.

Product data

IEC: 630 V / 17 A UL: 600 V / 10 A / AWG 26 - 12



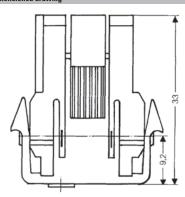
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated cross-section depends on crimp contact used.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Max. outer diameter of the cable (with insulation): 3.5 mm
 Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

RSV1.6 CS..







Technical data

| iechnicai data | | | | |
|--------------------------------|-----------------|------|----------|-----|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | mm ² | 0. | 133.3 | 31 |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | - | 0.22.5 | 5 |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | mm | | 4 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 17 | | 15 |
| At ambient temperature | | 20°C | | 40° |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 250 | 400 | 630 |
| Rated impulse voltage | kV | 4 | 4 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | | | | |
| Rated current | | | | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | | | 600 | |
| Rated current | | | 13 | |
| AWG conductor | AWG | | 26-12 | |
| General data | | | | |
| Type of insulation material | | - | PA 66/6 | 3 |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |

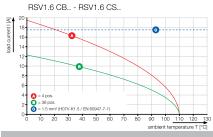
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------------|------------|--|--|
| Release tool | | Order No. | | |
| 1 | DW RSV 1.6 | 9004530000 | | |
| 1 | | | | |
| | | | | |
| Pressing tool | | | | |
| de | HTF RSV 16 | 9013560000 | | |
| - | | | | |
| • | | | | |
| Clip-in foot | | | | |
| | RSV1,6 RF12/35X15 SW | 1690140000 | | |
| | RSV1,6 RF12/35X7.5 SW | 1582940000 | | |
| | RSV1,6 RF18/35X15 SW | 1690150000 | | |
| | RSV1,6 RF18/35X7.5 SW | 1582950000 | | |
| | RSV1,6 RF24/35X15 SW | 1690160000 | | |
| - | RSV1,6 RF24/35X7.5 SW | 1582960000 | | |
| | RSV1,6 RF36/35X15 SW | 1690170000 | | |
| - | RSV1,6 RF36/35X7.5 SW | 1582970000 | | |
| - | RSV1,6 RF4/35X15 SW | 1690110000 | | |
| | RSV1,6 RF4/35X7.5 SW | 1582910000 | | |
| | RSV1,6 RF6/35X15 SW | 1690120000 | | |
| | RSV1,6 RF6/35X7.5 SW | 1582920000 | | |
| | RSV1,6 RF9/35X15 SW | 1690130000 | | |
| | RSV1,6 RF9/35X7.5 SW | 1582930000 | | |
| Strain relief | | | | |
| | RSV1,6 ZE12 BK BX | 1563300000 | | |
| | RSV1,6 ZE18 BK BX | 1563200000 | | |
| | RSV1,6 ZE24 BK BX | 1563100000 | | |
| 101 | RSV1,6 ZE36 BK BX | 1563000000 | | |
| 30 | RSV1,6 ZE04 BK BX | 1563600000 | | |
| | RSV1,6 ZE06 BK BX | 1563500000 | | |
| | RSV1,6 ZE09 BK BX | 1563400000 | | |
| Coding | | | | |
| | RSV1,6 KO | 1567430000 | | |
| | | | | |
| | | | | |

Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|-------------|--|--|
| Colour | | | | Pebble grey | | |
| Pitch | 5.00 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 4 | 5.00 | 0.197 | 25 | 1413100000 | | |
| 6 | 10.00 | 0.394 | 25 | 1414100000 | | |
| 9 | 10.00 | 0.394 | 25 | 1415100000 | | |
| 12 | 15.00 | 0.591 | 25 | 1416100000 | | |
| 18 | 25.00 | 0.984 | 25 | 1417100000 | | |
| 24 | 25.00 | 0.984 | 20 | 1418100000 | | |
| 36 | 40.00 | 1.575 | 10 | 1419100000 | | |
| | | | | | | |

Representative deratings curve





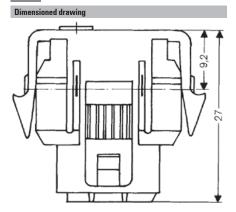
Weidmüller 🏖 2977770000

RSV1.6 CB..

Mounting cutout

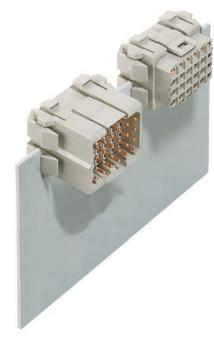




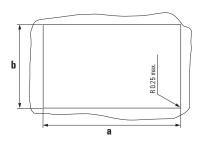


Ordering data

| | , | | | | | | |
|-------------------|---------|--------|------|-------------|--|--|--|
| Solder pin length | | | | | | | |
| Colour | | | | Pebble grey | | | |
| Pitch | 5.00 mm | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 4 | 5.00 | 0.197 | 25 | 1413000000 | | | |
| 6 | 10.00 | 0.394 | 25 | 1414000000 | | | |
| 9 | 10.00 | 0.394 | 25 | 1415000000 | | | |
| 12 | 15.00 | 0.591 | 25 | 1416000000 | | | |
| 18 | 25.00 | 0.984 | 25 | 1417000000 | | | |
| 24 | 25.00 | 0.984 | 20 | 1418000000 | | | |
| 36 | 40.00 | 1.575 | 10 | 1419000000 | | | |



Spring clips ensure firm hold in enclosure wall



Mounting cutout for enclosure RSV 1.6 Wall thickness 1.5...2.0 mm

| No. of poles | Dim. a (mm)* | Dim. b (mm)* |
|--------------|--------------|--------------|
| 4 | 20.3 | 17.8 |
| 6 | 25.1 | 18.1 |
| 9 | 25.1 | 24.0 |
| 12 | 30.0 | 24.0 |
| 18 | 40.5 | 24.0 |
| 24 | 40.5 | 28.3 |
| 36 | 55.5 | 28.3 |
| | | |

^{*)} Tolerance: +0.3 mm

2977770000 **Weidmüller № L.15**

Contact system CB 1.6 / CS 1.6

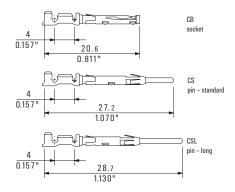




- Safe centring of the contacts using the threesegment pin tips
- 4 defined contact points ensure high contact stability
- Lugs in the enclosing steel spring ensure the contact engages securely in the housing
- Pin contacts with two lengths to implement leading-pin contacts
- Up to 100 plugging cycles (tin version)
- Up to 500 plugging cycles (gold version)

CB 1.6 / CS 1.6

Crimp contacts





Ordering data

Tinned contacts

| For cable size | | Insulation diameter | |
|-----------------|---------|---------------------|----------------|
| mm ² | AWG | mm | |
| 0.14 - 0.25 | 26 - 24 | 0.8 - 1.4 | pin - standard |
| | | | pin - long |
| | | | socket |
| 0.34 - 0.5 | 22 - 20 | 1.1 - 1.8 | pin - standard |
| | | | pin - long |
| | | | socket |
| 0.34 - 0.5 | 22 - 20 | 2.0 - 2.5 | pin - standard |
| | | | pin - long |
| | | | socket |
| 0.75 - 1.5 | 18 - 16 | 2.0 - 2.5 | pin - standard |
| | | | pin - long |
| | | | socket |
| 0.75 - 1.5 | 18 - 16 | 2.0 - 3.5 | pin - standard |
| | | | pin - long |
| | | | socket |
| 2.5 | 14 - 12 | 2.8 - 3.5 | pin - standard |
| | | | pin - long |
| | | | socket |
| 2.5 | 14 - 12 | 2.8 - 4.2 | pin - standard |
| | | | pin - long |
| | | | socket |

| Separate contac | ets | Cont. on a strip | |
|-----------------|------|------------------|------|
| Order No. | Qty. | Order No. | Qty. |
| 1421600000 | 250 | 1421500000 | 5000 |
| 1421700000 | 250 | 1565900000 | 5000 |
| 1421900000 | 250 | 1421800000 | 5000 |
| 1423600000 | 250 | 1423500000 | 5000 |
| 1423700000 | 250 | 1565870000 | 5000 |
| 1423900000 | 250 | 1423800000 | 5000 |
| 1425600000 | 250 | 1425500000 | 5000 |
| 1425700000 | 250 | 1565840000 | 5000 |
| 1425900000 | 250 | 1425800000 | 5000 |
| 1427600000 | 250 | 1427500000 | 5000 |
| 1427700000 | 250 | 1565810000 | 5000 |
| 1427900000 | 250 | 1427800000 | 5000 |
| 1582270000 | 250 | 1582280000 | 3000 |
| 1582350000 | 250 | 1582360000 | 3000 |
| 1582430000 | 250 | 1582440000 | 3000 |
| 1429600000 | 250 | 1429500000 | 3000 |
| 1429700000 | 250 | 1565780000 | 3000 |
| 1429900000 | 250 | 1429800000 | 3000 |
| 1582310000 | 250 | 1582320000 | 3000 |
| 1582390000 | 250 | 1582400000 | 3000 |
| 1582470000 | 250 | 1582480000 | 3000 |

Ordering data

Tinned contacts

| For cable size | | Insulation di | ameter |
|-----------------|---------|---------------|------------------------------------------|
| mm ² | AWG | mm | |
| 0.14 - 0.25 | 26 - 24 | 0.8 - 1.4 | Stift - standard pin - long socket |
| 0.34 - 0.5 | 22 - 20 | 1.1 - 1.8 | Stift - standard pin - long socket |
| 0.34 - 0.5 | 22 - 20 | 2.0 - 2.5 | Stift - standard pin - long socket |
| 0.75 - 1.5 | 18 - 16 | 2.0 - 2.5 | Stift - standard pin - long socket |
| 0.75 - 1.5 | 18 - 16 | 2.0 - 3.5 | Stift - standard pin - long socket |
| 2.5 | 14 - 12 | 2.8 - 3.5 | Stift - standard pin - long socket |
| 2.5 | 14 - 12 | 2.8 - 4.2 | Stift - standard pin - long socket |

| Canavata santa: | -4- | Cont. on a strip | |
|--------------------------------|------|------------------|------|
| Separate contacts Order No. Of | | | 04 |
| | Qty. | Order No. | Qty. |
| 1420600000 | 250 | 1420500000 | 5000 |
| 1420700000 | 250 | 1565880000 | 5000 |
| 1420900000 | 250 | 1420800000 | 5000 |
| 1422600000 | 250 | 1422500000 | 5000 |
| 1422700000 | 250 | 1565850000 | 5000 |
| 1422900000 | 250 | 1422800000 | 5000 |
| 1424600000 | 250 | 1424500000 | 5000 |
| 1424700000 | 250 | 1565820000 | 5000 |
| 1424900000 | 250 | 1424800000 | 5000 |
| 1426600000 | 250 | 1426500000 | 5000 |
| 1426700000 | 250 | 1565790000 | 5000 |
| 1426900000 | 250 | 1426800000 | 5000 |
| 1582250000 | 250 | 1582260000 | 3000 |
| 1582330000 | 250 | 1582340000 | 3000 |
| 1582410000 | 250 | 1582420000 | 3000 |
| 1428600000 | 250 | 1428500000 | 3000 |
| 1428700000 | 250 | 1565760000 | 3000 |
| 1428900000 | 250 | 1428800000 | 3000 |
| 1582290000 | 250 | 1582300000 | 3000 |
| 1582370000 | 250 | 1582380000 | 3000 |
| 1582450000 | 250 | 1582460000 | 3000 |
| | | | |

L.16 Weidmüller 🏖

OMNIMATE® Signal Accessories

OMNIMATE® Signal Accessories

| Strain relief | M.2 |
|---------------------------------|------|
| Snap-on foot | M.3 |
| Covers | M.4 |
| ock / Fixing blocks | M.5 |
| ight guides | M.8 |
| Coding elements | M.10 |
| Dividing element | M.11 |
| Fest plug | M.12 |
| Crimping tools | M.13 |
| Disengaging tool / Removal tool | M.14 |
| Screwdrivers | M.15 |



2977770000 **Weidmüller ₹ M.1**

BLZ 5.00 ZE BLZ 5.08 ZE

Strain relief



- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.

BLT ZE

Strain relief

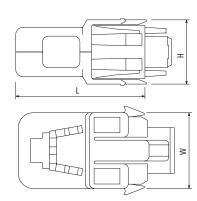


- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.



Strain relief





Ordering data

| Colour | | | Orange | Black |
|--------------|------------|------|------------|------------|
| No. of poles | Pitch (mm) | Qty. | Order No. | Order No. |
| from 4 | 5,00 | 50 | 1652100000 | |
| from 8 | 5,00 | 50 | 1652040000 | 1652060000 |
| from 4 | 5,08 | 50 | 1652110000 | 1652130000 |
| from 8 | 5,08 | 50 | 1652050000 | 1652070000 |

Ordering data

| Colour | | Orange |
|--------------|------|------------|
| No. of poles | Qty. | Order No. |
| from 4 | 50 | 1577980000 |
| from 9 | 50 | 1578010000 |

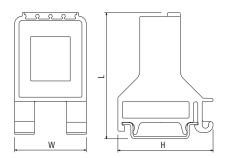
Ordering data

| | W | L | Н | | |
|------|-------|-------|-------|------|------------|
| Pole | (mm) | (mm) | (mm) | Qty. | Order No. |
| 4 | 20,50 | 39,00 | 22,20 | 10 | 1563600000 |
| 6 | 25,50 | 44,00 | 22,40 | 10 | 1563500000 |
| 9 | 25,50 | 44,00 | 28,40 | 10 | 1563400000 |
| 12 | 33,00 | 51,50 | 28,60 | 10 | 1563300000 |
| 18 | 40,00 | 58,50 | 28,60 | 10 | 1563200000 |
| 24 | 40,00 | 58,50 | 28,60 | 10 | 1563100000 |
| 36 | 55,00 | 73,50 | 32,60 | 10 | 1563000000 |

M

Snap-on foot for terminal rail





Ordering data

| Snap-o | n foot for 1 | S 35 x 7. | 5 | | Black |
|--------|--------------|-----------|-------|------|------------|
| | W | L | Н | | |
| Pole | (mm) | (mm) | (mm) | Qty. | Order No. |
| 4 | 32,90 | 58,90 | 43,70 | 10 | 1582910000 |
| 6 | 32,90 | 58,90 | 43,70 | 10 | 1582920000 |
| 9 | 32,90 | 58,90 | 43,70 | 10 | 1582930000 |
| 12 | 32,90 | 58,90 | 43,70 | 10 | 1582940000 |
| 18 | 37,30 | 83,40 | 43,70 | 10 | 1582950000 |
| 24 | 37,30 | 83,40 | 43,70 | 10 | 1582960000 |
| 36 | 37,30 | 83,40 | 43,70 | 10 | 1582970000 |
| | | | | | |
| Snap-o | n foot for T | S 35 x 15 | i | | |
| 4 | 32,90 | 65,40 | 43,70 | 10 | 1690110000 |
| 6 | 32,90 | 65,40 | 43,70 | 10 | 1690120000 |
| 9 | 32,90 | 65,40 | 43,70 | 10 | 1690130000 |
| 12 | 32,90 | 65,40 | 43,70 | 10 | 1690140000 |
| 18 | 37,30 | 90,90 | 43,70 | 10 | 1690150000 |
| 24 | 37,30 | 90,90 | 43,70 | 10 | 1690160000 |
| 36 | 37,30 | 90,90 | 43,70 | 10 | 1690170000 |
| | | | | | |
| | | | | | |

M

2977770000 **Weidmüller** ₹ **M.3**

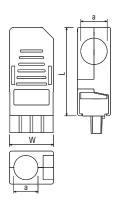
BL 3.50 AH

Cover

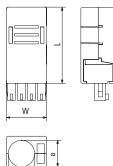


Cover





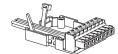




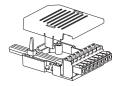


- Insert cable tie in the desired out-going direction.
- 2 Place wired socket connector in position and close cable tie.





- 3 Place cover in position
- 4 Lock cover





Ordering data

| | W | L | а | b | | |
|------|-------|-------|-------|------|------|------------|
| Pole | (mm) | (mm) | (mm) | (mm) | Qty. | Order No. |
| 2 | - | - | - | - | - | - |
| 3 | 10,50 | 30,00 | 8,50 | - | 10 | 1745580000 |
| 4 | 14,00 | 30,00 | 8,50 | - | 10 | 1745590000 |
| 5 | 17,50 | 30,00 | 8,50 | - | 10 | 1745600000 |
| 6 | 21,00 | 30,00 | 8,50 | - | 10 | 1745610000 |
| 7 | 24,50 | 40,00 | 11,00 | - | 10 | 1745620000 |
| 8 | 28,00 | 40,00 | 11,00 | - | 10 | 1745630000 |
| 9 | 31,50 | 40,00 | 11,00 | - | 10 | 1745640000 |
| 10 | 35,00 | 40,00 | 11,00 | - | 10 | 1745650000 |
| 11 | 38,50 | 40,00 | 11,00 | - | 10 | 1745660000 |
| 12 | 42,00 | 40,00 | 11,00 | - | 10 | 1745670000 |
| | | | | | | |

Ordering data

| | W | L | а | b | | |
|------|-------|------|------|------|------|------------|
| Pole | (mm) | (mm) | (mm) | (mm) | Qty. | Order No. |
| 2 | - | - | - | - | - | - |
| 3 | 11,43 | 29 | 10 | 10 | 10 | 1005280000 |
| 4 | 15,24 | 29 | 10 | 10 | 10 | 1005290000 |
| 5 | 19,05 | 29 | 10 | 10 | 10 | 1005300000 |
| 6 | 22,86 | 29 | 10 | 10 | 10 | 1005310000 |
| 7 | 26,67 | 39 | 10 | 12,5 | 10 | 1005320000 |
| 8 | 30,48 | 39 | 10 | 12,5 | 10 | 1005330000 |
| 9 | 34,29 | 39 | 10 | 12,5 | 10 | 1005340000 |
| 10 | 38,1 | 39 | 10 | 13 | 10 | 1005350000 |
| 11 | 41,91 | 39 | 10 | 13,8 | 10 | 1005360000 |
| 12 | 45,72 | 39 | 10 | 14,6 | 10 | 1005370000 |

BL/SL 3.50 VR

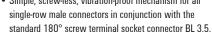
Lock

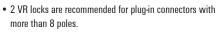
SLDF VR

Lock



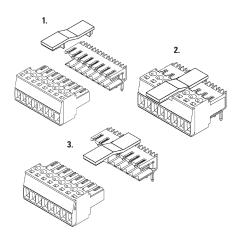


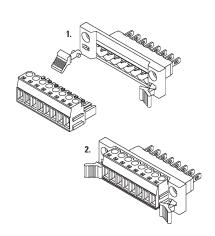






- For vibration-proof plug-in connections
- Socket must be B-Version with dovetail





Ordering data

| Colour | | Orange | Black |
|-------------------|-----|------------|------------|
| No. of poles Qty. | | Order No. | Order No. |
| BL/SL 3.50 VR | 100 | 1669310000 | 1669300000 |

Ordering data

| Colour | | Black |
|---------|------|------------|
| Туре | Qty. | Order No. |
| SLDF VR | 100 | 1599120000 |

M

2977770000 **Weidmüller** ₹ **M.5**

BBDF

for universal feed-through-connection

SLA BB1R SLA BB11R

Mounting blocks for headers, in 5.0x-mm pitch

SLA BB2R SLA BB12R

Mounting blocks for plugs, in 5.0x-mm pitch







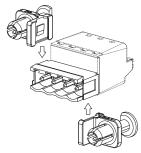
90∞



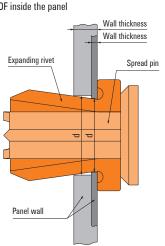
90∞

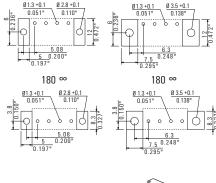


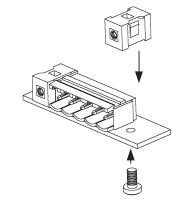
Assembly Instruction

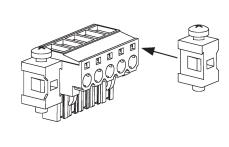


view of BBDF inside the panel









Ordering data

| Colour | | | Orange | Black |
|--------|------------|------|------------|------------|
| Туре | Width (mm) | Qty. | Order No. | Order No. |
| BBDF | 9,5 | 100 | 1307570000 | 1307580000 |

Ordering data

| Colour | | | Orange | Black |
|-----------|------------|------|------------|------------|
| Туре | Width (mm) | Qty. | Order No. | Order No. |
| SLA BB1R | 7,5 | 20 | 1723430000 | 1723480000 |
| SLA BB11R | 5,0 | 100 | 1604120000 | 1692340000 |

Ordering data

| Colour | | | Orange | Black |
|-----------|------------|------|------------|------------|
| Туре | Width (mm) | Qty. | Order No. | Order No. |
| SLA BB2R | 7,5 | 20 | 1723440000 | 1723490000 |
| SLA BB12R | 5,0 | 100 | 1593450000 | 1626880000 |

M

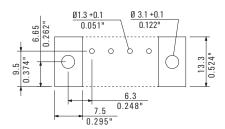
SL 135 BB15R

Mounting blocks for SL 135 male header

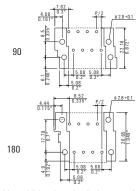
SLA BB14

Mounting blocks for SLD 5.08 headers









- Provides additional mechanical support for rows of male connectors on the PCB
- Also enables vibration-proof connections for the matching socket connectors.
- BB12 fixing blocks or an integral screw flange are required for the socket.
- Caution: Only to be used with SLD 5.08 90 / SLD 5.08 180.

Ordering data

| Colour | | | Orange | Black |
|-------------|------------|------|------------|------------|
| Туре | Width (mm) | Qty. | Order No. | Order No. |
| SL135 BB15R | 7,5 | 20 | 1606450000 | 1636370000 |

Ordering data

| Colour | | | Orange | Black |
|----------|------------|------|------------|------------|
| Туре | Width (mm) | Qty. | Order No. | Order No. |
| SLA BB14 | 5,0 | 20 | 1594200000 | 1774460000 |

2977770000 **Weidmüller** ₹ **M.7**

S2L FLA

Light guide

S2L-SMT FLA

Light guide

SL 3.50 FLA

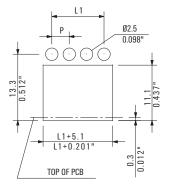
Light guide

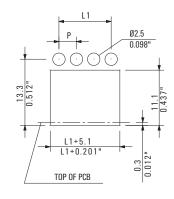


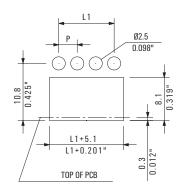


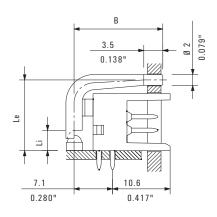


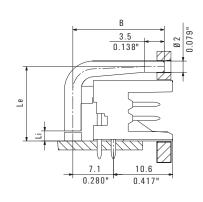


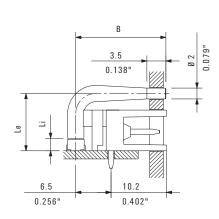












Ordering data

| Pole | Li (mm) | Le (mm) | B (mm) | Qty. | Order No. |
|------|---------|---------|--------|------|------------|
| 10 | 3,70 | 13,00 | 16,35 | 100 | 1699580000 |

Ordering data

| Pole | Li (mm) | Le (mm) | B (mm) | Qty. | Order No. |
|------|---------|---------|--------|------|------------|
| 10 | 1,80 | 13,30 | 16,35 | 50 | 1814590000 |

Ordering data

| Pole | Li (mm) | Le (mm) | B (mm) | Qty. | Order No. |
|------|---------|---------|--------|------|------------|
| 8 | 1,50 | 10,55 | 16,60 | 50 | 1597510000 |
| 8 | 2,30 | 10,55 | 16,60 | 50 | 1597520000 |
| 8 | 4,00 | 10,55 | 16,60 | 50 | 1597530000 |
| 8 | 1,50 | 10,55 | 14,85 | 50 | 1597630000 |
| 8 | 2,30 | 10,55 | 14,85 | 50 | 1597640000 |
| 8 | 4,00 | 10,55 | 14,85 | 50 | 1597650000 |

M

M

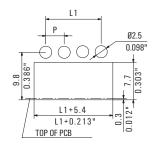
SC 3.81 FLA

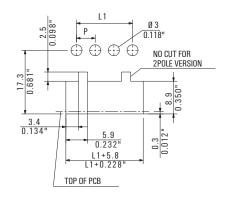
Light guide

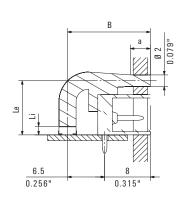
SL 5.08 FLA Light guide

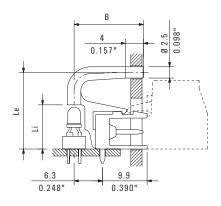












Ordering data

| Pole | Li (mm) | Le (mm) | B (mm) | Qty. | Order No. |
|------|---------|---------|--------|------|------------|
| 8 | 1,5 | 9,50 | 14,25 | 50 | 1979730000 |
| 8 | 2,3 | 9,50 | 14,25 | 50 | 1979750000 |
| 8 | 1,5 | 9,50 | 16,00 | 50 | 1979720000 |
| 8 | 2.3 | 9.50 | 16.00 | 50 | 1979740000 |

Ordering data

| Pole | Li (mm) | Le (mm) | B (mm) | Qty. | Order No. |
|------|---------|---------|--------|------|------------|
| 1 | 1,50 | 17,00 | 15,40 | 100 | 1580100000 |
| 1 | 2,30 | 17,00 | 15,40 | 100 | 1636670000 |
| 1 | 3,80 | 17,00 | 15,40 | 100 | 1580110000 |
| 1 | 9,00 | 17,00 | 15,40 | 100 | 1580120000 |
| 24 | 2,30 | 17,00 | 15,40 | 10 | 1636680000 |

2977770000 **Weidmüller № M.9**

B2L/S2L KO - B2CF/S2C KO

Coding element



- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- For reliable coding, we recommend at least 2 polarising pins per connector for 10-way and above

BL/SL 3.50 KO

Coding element



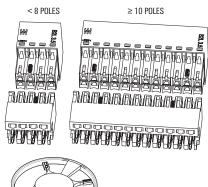
- For coding plug-in connectors to prevent errors during
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- A coding star includes 2 coding elements of different sizes. The larger of the two is used on the male connector.

SC-SMT 3.81 KO

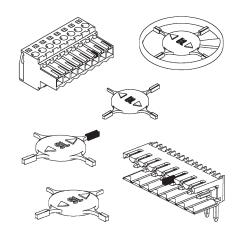
Coding element

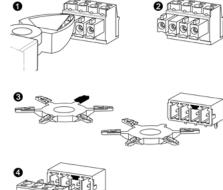


- For coding connectors in order to prevent mistakes during installation
- Only for male headers (SC..3.81..).
- Female headers (BCZ 3.81, BCF 3.81 and BCL-SMT 3.81) are coded using diagonal-cutting pliers. The coding does not occupy a pole.









Ordering data



Ordering data

| Colour | | Orange | Black |
|--------------|------|------------|------------|
| Туре | Qty. | Order No. | Order No. |
| BL/SL 3.5 KO | 100 | 1693430000 | 1610100000 |
| | | | |

Ordering data

| Colour | | Grey |
|----------------------|------|------------|
| Туре | Qty. | Order No. |
| SC-SMT 3.81 KO WT BX | 100 | 2467670000 |

1 unit = 6 coding elements

Weidmüller 🏖

BLZ/SL KO

Coding element

- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- Coding element for the BL/SL 5.00 and BL/SL 5.08 series

RSV 1.6 KO

Coding element



- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding blocks individual poles.

SLAT

Dividing element



- Subdivides male connectors into distinct segments.
- Prevents errors during installation.



Ordering data

| Colour | | Orange | Black |
|-----------|------|------------|------------|
| Туре | Qty. | Order No. | Order No. |
| BLZ/SL KO | 100 | 1573010000 | 1545710000 |

Ordering data

| Colour | | Black |
|------------|------|------------|
| Туре | Qty. | Order No. |
| RSV 1.6 KO | 50 | 1567430000 |

Ordering data

| Colour | | Orange | Black |
|--------|------|------------|------------|
| Туре | Qty. | Order No. | Order No. |
| SLAT | 100 | 1598300000 | 1770240000 |

M

PS 2.0 MC

Test plug



- For conductors up to 0.75 mm2 (AWG 18).
- Gold-plated lantern-type contact.
 Conductor must be soldered to contact in test plug.

Ordering data

| Туре | Conductor size | Qty. | Order No. |
|-----------|-----------------------------|------|------------|
| PS 2.0 MC | \leq 0,75 mm ² | 20 | 0310000000 |



HTF 28 HTF 63

Crimping tools



HTF DFF

Crimping tools



HTF RSV 12 HTF RSV 16

Crimping tools









- Precision crimping tool with ratchet for 2.80 and 6.30 mm spade connections with open or rolled terminals
- HTF 28 for flexible conductors 0.10-1.00 mm² (AWG 26-16)
- $\bullet\,$ HTF 63 for flexible conductors 0.50-2.50 mm^2 (AWG 20–14)
- Precision crimping tool with ratchet for the Weidmüller DFFC crimp contacts of BLC and BLAC socket connectors
- 0.22-0.35 mm² (AWG 24-22)
- 0.50-1.00 mm² (AWG 20-17)
- 1.50-2.50 mm² (AWG 16-12)
- Precision crimping tool with ratchet for the Weidmüller CB and CS crimp contacts of RSV 1.6 plug-in connectors
- RSV 16 = 0.14 1.50 mm² (AWG 26-16)
- RSV 12 = 1.50 2.50 mm² (AWG 14-12)

Ordering data

| | Ordoning data | | | | | |
|------------|---------------|------------|----------------------|------------|--|--|
| Crimp size | | Crimp size | Cross-section | | | |
| | Туре | mm/inch | mm ² /AWG | Order No. | | |
| | HTF 28 | 2,8/0,110 | 0,14-1,5/26-16 | 9013090000 | | |
| | HTE 63 | 63/0250 | 0 50_2 5/20_1/ | 9013/10000 | | |

Ordering data

| | Cross-section | |
|---------|----------------|------------|
| Туре | mm²/AWG | Order No. |
| HTF DFF | 0.22-2.5/24-12 | 9014140000 |

Ordering data

| Туре | Cross-section mm²/AWG | Order No. |
|------------|--------------------------|------------|
| HTF RSV 16 | 0,14-1,5/26-16 | 9013560000 |
| HTF RSV 12 | 1,50-2,5/14-12 | 9013550000 |



2977770000 **Weidmüller № M.13**

DFFC EW2

Disengaging tool

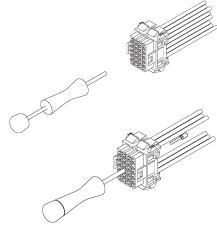
DW RSV

Disengaging tool









Ordering data

| Туре | Qty. | Order No. |
|----------|------|------------|
| DFFC EW2 | 1 | 1803790000 |

| Irc | oring | ı data |
|------|-------|--------|
| JI U | GIIII | 4 uata |
| | | |

| Туре | Qty. | Order No. |
|------------|------|------------|
| DW RSV 1.6 | 1 | 9004530000 |

M

SDI

VDE-insulated slotted screwdriver

SD

Slotted screwdriver with round blade

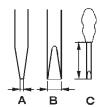
SDK PH/PZ

Crosshead screwdriver













VDE-insulated slotted screwdriver, SDI

- SDI DIN 7437, ISO 2380/2
- Drive output acc. to DIN EN ISO/IEC 60900 and DIN ISO 2380



Slotted screwdriver with round blade, SD

- SD DIN 5265, DIN ISO 2380
- Drive output acc. to DIN 5264, DIN ISO 2380/1
- ChromTop tip



Crosshead screwdriver PH (Philips)

- SDK PH DIN 5262, DIN ISO 8764-PH
- Drive output acc. to DIN ISO 8764-PH
- ChromTop tip



Crosshead screwdriver PZ (Pozidrive)

- SDK PZ DIN 5262, DIN ISO 8764-PZ
- Drive output acc. to DIN ISO 8764-PZ
- Chrome top tip



Ordering data

| | J | | | | |
|------|------------|-----|-----|-----|------------|
| Туре | Dims. (mm) | Α | В | C | Order No. |
| SDI | | 0,4 | 2,5 | 75 | 2749790000 |
| SDI | | 0,5 | 3,0 | 100 | 2749800000 |
| SDI | | 0,6 | 3,5 | 100 | 2749810000 |
| SDI | | 0,8 | 4,0 | 100 | 2749820000 |
| SDI | | 1,0 | 4,5 | 125 | 2749830000 |
| SDI | | 1,0 | 5,5 | 125 | 2749850000 |
| SDI | | 1,2 | 6,5 | 150 | 2749860000 |
| SDI | | 1,6 | 8,0 | 175 | 2749870000 |

Ordering data

| Туре | Dims. (mm) | Α | В | C | Order No. |
|------|------------|-----|-----|-----|------------|
| SD | | 0,4 | 2,5 | 75 | 2749320000 |
| SD | | 0,5 | 3,0 | 80 | 2749330000 |
| SD | | 0,6 | 3,5 | 100 | 2749340000 |
| SD | | 0,8 | 4,0 | 100 | 2749360000 |
| SD | | 0,8 | 4,5 | 125 | 2749370000 |
| SD | | 1,0 | 5,5 | 150 | 2749380000 |
| SD | | 1,2 | 6,5 | 150 | 2749390000 |
| | | | | | |

Ordering data PH

| Туре | Dims. (mm) | Α | В | C | Order No. |
|---------|------------|---|---|-----|------------|
| SDK PHO | 0 | | | 60 | 2749400000 |
| SDK PH1 | 1 | | | 80 | 2749410000 |
| SDK PH2 | 2 | | | 100 | 2749420000 |
| SDK PH3 | 3 | | | 150 | 2749430000 |

Tension clamp terminal tool

Tool for PCB terminals with tension clamp connection









You do not need any special tool to connect or disconnect our tension clamp connection.

The opening is designed to accommodate a standard $0.6 \times 3.5 \times 100$ screwdriver 2749040000 to DIN 5264-A (with flat blade).

Ordering data PZ

| Туре | Dims. (mm) A | В | С | Order No. |
|---------|--------------|---|-----|------------|
| SDK PZ1 | 1 | | 80 | 2749440000 |
| SDK PZ2 | 2 | | 100 | 2749450000 |
| SDK PZ3 | 3 | | 150 | 2749460000 |

M

M.16 *Weidmüller* ₹ 2977770000

OMNIMATE® Power **PCB** terminals

| OMNIMATE® Power PCB terminals | Clamping yoke screw connection | | |
|-------------------------------|--------------------------------|-------------------|------|
| | | Explanation | N.2 |
| | | Quick selection | N.12 |
| | | Product selection | N.16 |
| | PUSH IN-spring connection | | |
| | | Explanation | N.6 |
| | | Quick selection | N.14 |
| | | Product selection | N.26 |

OMNIMATE® Power – LL 6.35 power terminal

Unrestricted use up to 600 V to UL 1059 approval in 6.35 mm pitch

Your device connections increasingly require international approval to UL 1059 to 600 V. We offer you the matching power terminal in 6.35 mm pitch.

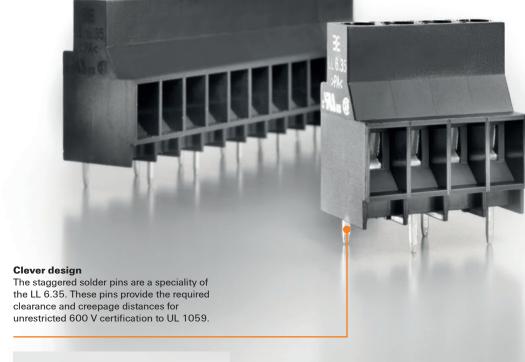
International UL certification for 600 V is an important factor for many power electronics applications. The wiring must also be safe and maintenance-free and meet the high insulator requirements.

Our LL 6.35 power terminal meets all the certification criteria unrestricted. Not only is it especially safe, but it has an extremely compact 6.35 mm pitch design.

You will receive a maintenance-free solution with proven clamping yoke screw technology for conductors up to 6 mm². Ideal for device connections in drive technology,

power supply, solar inverter and line filter applications.







Weidmüller ₹ 2977770000

Safe operation

The world-wide compatible screw head allows an interference fit bolted joint that can be operated using all standard tools and power tools.

Clear marking

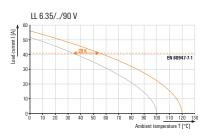
The design of the LL 6.35 allows individual direct labelling on three possible levels. This allows a direct assignment and avoids installation errors.





High-quality insulation

The insulating material WEMID satisfies the highest environmental standards, is creep-current resistant to CTI 600 and fire resistant to UL 94-VO. With a continuous operating temperature of 120 °C it exceeds the standard value of PA (100 $^{\circ}\text{C})$ by 20 K.



Safe fire resistance

The use of high-quality plastics allows compliance with the increased requirements for fire safety in accordance with the household appliance standard IEC 60335-1.



Can be ordered online

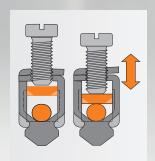
Order your sample world-wide directly from the OMNIMATE® online catalogue at www.sample-service.com





A vibration resistant and maintenance-free connection is made using our proven WIRE GUARD and WIRE READY clamping yoke screw connection.





OMNIMATE® Power PCB terminals

High-power connections up to 150 A /1,000 V

The OMNIMATE® Power PCB terminals – ranging from the LUP in 10.16-mm pitch to the LXXX in 15.00-mm pitch - is approved for unlimited international use in applications according to UL 1059 (600 V) and IEC (1,000 V). Weidmüller's self-securing steel clamping yoke is 100 % maintenance free.

It provides vibration-proof connections to the PCB for wires up to 50 mm².

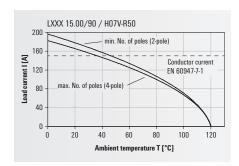
Unrivalled clamping

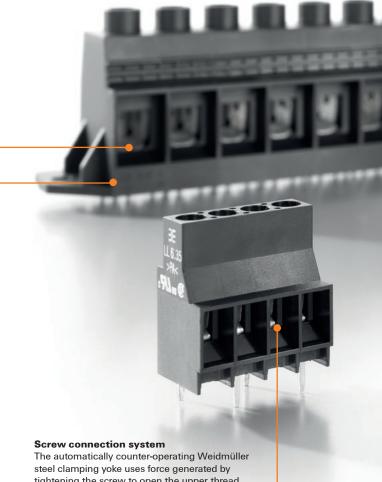
With an unmatched clamping range, the LXXX 15.0 offers a safe and strong wire connection for cross-sections up to 50 mm² / AWG1 and 150 A to the circuit board.



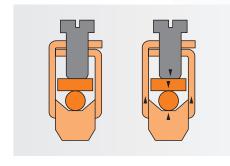
Power reserve for safety

The high-performance WEMID insulation material helps increase the availability of the system. With an RTI (relative temperature index) of 120 °C, the OMNIMATE® Power PCB terminals exceed the upper continuous-use temperature recommended by the Standard PA (100 °C) by 20 °C. Thus there are more power reserves and improved safety in event of temperature fluctuations or overloads.





tightening the screw to open the upper thread. Settling of the connected wires and vibrations are compensated for and this guarantees a maintenance free operation. Subsequent tightening and maintenance of the screw is not needed.



Standard-compliant integration

Weidmüller terminals meet the extended creepage and clearance distances according to UL and finger safety in accordance with the IEC 61800-5-1 device standard.



Wire protection

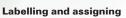
The integrated "Wire Guard" mechanism on the OMNIMATE® Power PCB terminals prevents wires from being inserted improperly and prevents a malfunctioning contact.



Integrated test point

The required maintenance and measurements can be carried out in a safe, reliable and convenient manner.





Terminals are available with custom direct printing, versatile Dekafix labelling, affordable adhesive strips and colour coding.

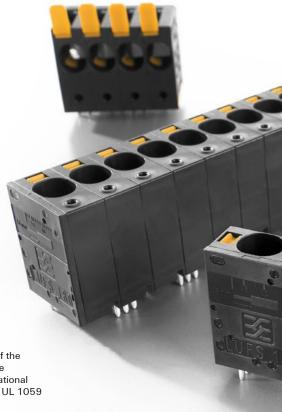


Reliable and fast connection of power electronics devices LUF and LUFS series PCB terminal with PUSH IN connection

Maximum performance with increased economic efficiency – these are the current trends in the field of power electronics. In order to achieve this goal, devices must combine excellent functionality with simple operation. This will have an impact on the device connectivity systems, which need to be fault-free, safe and quick in their usage.

The LUF PCB terminal from the OMNIMATE® Power product range features proven PUSH IN connection technology. This has allowed us to carry out toolfree wiring for wire cross-sections up to 16 mm² and to meet requirements in accordance with UL 1059 for 600 V in the 10.00 mm pitch and with 1,000 V in the 15.00 mm pitch.

LUF(S) provides high levels of contact reliability based on the Weidmüller Connection Safety Concept. The terminal contact shuts automatically to prevent malfunction. LUF has a tool-free wiring system, and LUFS can be actuated with a simple screwdriver to connect cross sections up to 16 mm². The PUSH IN connection system also allows a quick, convenient and therefore efficient wiring.



Compliant with UL 1059

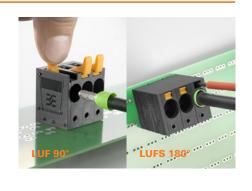
As a result of the offset arrangement of the solder pins, the LUF 15.00 and also the LUFS 15.00 allows unrestricted international use in applications in accordance with UL 1059 up to 1,000 V.



Weidmüller ₹ 2977770000

Comfortable actuation

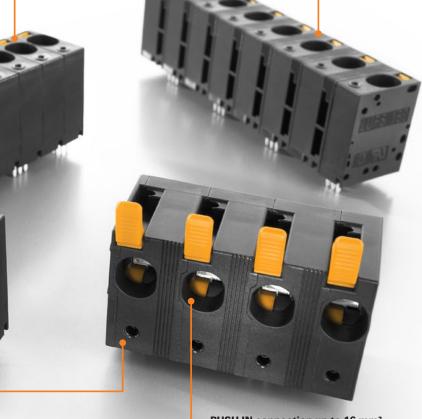
An ergonomic lever makes it easy to open the clamp and release the wire. The contact point for LUF can be opened comfortably by hand, and LUFS can be opened using a standard screwdriver.



Convenient access to test points

In order to provide maximum flexibility, LUF 90° offers two test points - one beside the cable entry and another beside the actuating lever side. LUFS 180° features one test point located beside the cable entry.





PUSH IN connection up to 16 mm²

The PUSH IN connection system allows for wires to be connected to the PCB board without the need for tools. Solid wires or wires with ferrules can be directly connected. Done!



Your special advantages:

Perfect connection thanks to high levels of contact reliability

This contact system is automatically closed after being opened. This intelligent Connection Safety Concept helps to ensure that the wire is always connected safely.





The LUF and LUFS are not only proving to be impressive thanks to their good performance and easy operability ensured by the unusually high level of contact reliability - but also meets all the challenges that arise in power electronic applications.

Reliable and fast connection in power electronic applications

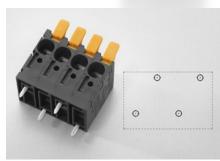
LLF 7.50 PCB terminal with PUSH IN connection system

Modern systems and technology – for example, photovoltaic inverters – underlie continuous development and optimisation. Technological advances often depend on powerful, flexible and robust connectivity systems to ensure secure and reliable operation.

The LLF PCB terminal from the OMNIMATE® Power product range features proven PUSH IN connection technology. This has allowed us to carry out tool-free wiring for wire cross-sections up to 6 mm² and to meet requirements in accordance with UL 1059 for 600 V in pitch 7.5 mm.

Just like the PCB terminals LUF and LUFS, LLF uses the Weidmüller "Connection Safety Concept", which has a PUSH IN connection for quick and safe mounting. The actuation lever allows for quick, simple, and safe wiring with excellent performance.







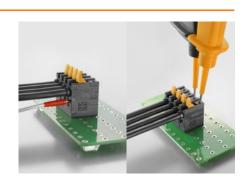
High level of reliability

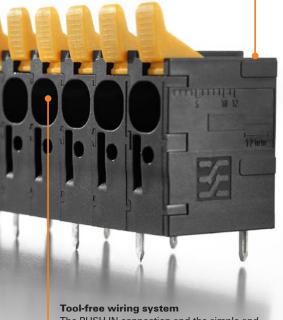
LLF provides high levels of contact reliability based on the "Connection Safety Concept". The terminal contact closes automatically to prevent malfunction.



Convenient access to test points

Two test points with LLF, one located beside the cable entry and another beside the actuating lever, provide a great flexibility during testing.





The PUSH IN connection and the simple and safe operation of the actuator lever ensure quick, convenient and efficient wiring of cross sections up to 6 mm².



Your special advantages:

Comfortable actuation

The ergonomically designed lever allows an operator to easily actuate and open clamp in order to release the cable. The contact point get readily opened by hand without the need for any physical exertion.





LLF is capable of handling challenging applications that not only require high current and voltage but also demand a secure connectivity. LLF maximises connection safety and reliability within a compact space.

Safe and efficient connection of power electronics devices LUF 10.00 with PUSH IN in accordance with UL 1059 for 600 V

Maximum performance with increased economic efficiency – these are the current trends in the field of power electronics. In order to achieve this goal, devices must combine excellent functionality with simple operation. This will have impact on the device connectivity systems, which needs to be fault-free, safe and quick in his usage.

The LUF PCB terminal from the OMNIMATE® Power product range features tried-and-tested PUSH IN connection technology. This has allowed us to realise tool-free wiring for wire cross-sections up to 16 mm² and to meet requirements in accordance with UL 1059 for 600 V in the 10.00 mm pitch.

In addition to the particularly simple handling of the actuator lever, the LUF also provides high levels of contact reliability that is based on the "Connection Safety Concept" from Weidmüller. The quick and safe wire connection with PUSH IN connection system as well as the simple and safety operation of the actuator lever for opening the contact allow a quick, convenient and therefore economical wiring.

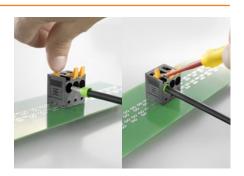




N.10 Weidmüller ₹ 2977770000

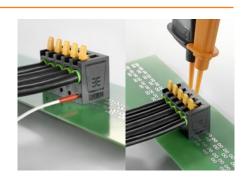
Easy actuation

The contact point can be opened without any physical exertion and without the need of any special tools. It can be done by hand or using a simple screwdriver.



Available for testing at any time

Easily accessible diagnostic testing points for necessary maintenance and measurements in direction of cable entry or on the actuating lever side allows the using of tester or connector PS2.

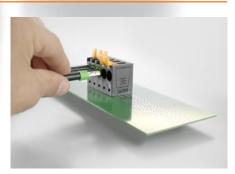






PUSH IN connector up to 16 mm²

The PUSH IN connection system allows a tool-free wire connection to the PCB board. Solid wires or wires with ferrules can be directly plugged. Done!

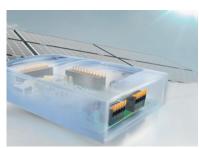


Your special advantages:

Perfect connection thanks to high levels of contact reliability

This contact system is getting automatically closed after it was opened. This intelligent "Connection Safety Concept" helps ensure that the wire is always safely connected.

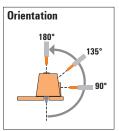




The LUF is not only impressing concerning performance and easy operability - due to the particularly high level of contact reliability, thisPCB terminal meets all $\dot{\mbox{the challenges}}$ of power-electronics applications.

http://www.OMNIMATE.net

= 300 V (UL) / 1,000 V (IEC)
= 600 V (UL) / 1,000 V (IEC)



PCB terminals

| Type of c | connection | Clamping | ı range | Туре | IEC / UL | 90° | 135° | 180° | | | | |
|-----------|----------------------------------|----------|--------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|-----|------------------|-------------------------------------------------------------------------|--|--|--|--|
| | Screw | ≥ 6 mm² | | LL 6.35//90 V* | IEC: 1,000 V/32 A/0.18 - 6 mm ² UL: 600 V/30 A/AWG 26 - 10 | | | | | | | |
| | Clamping yoke 25 mm ² | | | LU 10.16 | IEC: 1,000 V/76 A/0.5 - 16 mm ² UL: 300 V/65 A/AWG 26 - 6 | | | | | | | |
| | | • | LUP 10.16 | IEC: 1,000 V/76 A/0.5 - 16 mm ² UL: 300 V/58 A/AWG 26 - 6 | | | | | | | | |
| | | > 16 mm | | | ∧ 16 16 | | LUP 10.16//90 V* | IEC: 1,000 V/76 A/0.5 - 16 mm ² UL: 600 V/51 A/AWG 22 - 6 | | | | |
| Screw | | | | LUP 12.70 | IEC: 1,000 V/76 A/0.5 - 16 mm ² UL: 600 V/58 A/AWG 26 - 6 | • | | | | | | |
| | | LX 15.00 | LX 15.00 | IEC: 1,000 V/101 A/0.5 - 25 mm ² UL: 600 V/85 A/AWG 16 - 4 | | | | | | | | |
| | | | IEC: 1,000 V/101 A/1.5 - 25 mm ² UL: 600 V/85 A/AWG 16 - 4 | | | | | | | | | |
| | | nm² | | LXXX 15.00 | IEC: 1,000 V/150 A/0.5 - 50 mm ² UL: 600 V/127 A/AWG 20 - 1 | | | | | | | |
| | ≥ 50 mm² | | LXXX 15.00//90F | IEC: 1,000 V/150 A/0.5 - 50 mm ² UL: 600 V/127 A/AWG 20 - 1 | | | | | | | | |
| | | | · | | _ | | | | | | | |

^{*} With offset solder pins

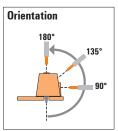
N.12 Weidmüller **₹** 2977770000

| Pitch, in mm | 6.35 | 10 | .16 | 12.70 | 15.00 |
|----------------------------|-------|-------|---------|-------|-------|
| Max. rated voltage, IEC | | | 1,000 V | | |
| UL nominal voltage UL | 600 V | 300 V | | 600 V | |
| UL . | | | | | |
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http://www.OMNIMATE.net

300 V
600 V
1.000 V





PCB terminals

| Type of c | connection | Clamping range | | Туре | IEC / UL | 90° 135° | 180° | | |
|-----------|------------|------------------|-----|------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------|--|--|
| | PUSH IN | | | LLF 7.50/90 | IEC: 600 V / 41 A / 0.5 - 6 mm ² UL: 300 V / 35 A / AWG 24 - AWG 8 | • | | | |
| | | | | LLF 7.50/90V* | IEC: 1000 V / 41 A / 0.5 - 6 mm ² UL: 600 V / 35 A / AWG 24 - AWG 8 | • | | | |
| PUSH IN | | ≤ 6 mm² | | LLFS 7.50/180 | IEC: 1000 V / 41 A / 0.5 - 6 mm ² UL: 300 V / 37 A / AWG 24 - AWG 8 | | | | |
| PUS | | VI | | LLFS 7.50/180V* | IEC: 1000 V / 41 A / 0.5 - 6 mm ² UL: 600 V / 37 A / AWG 24 - AWG 8 | | | | |
| | | | | LLFS 7.50/90 | IEC: 1000 V / 41 A / 0.5 - 6 mm ² UL: 300 V / 37 A / AWG 24 - AWG 8 | • | | | |
| | | | | LLFS 7.50/90V* | IEC: 1000 V / 41 A / 0.5 - 6 mm ² UL: 600 V / 37 A / AWG 24 - AWG 8 | | | | |
| | | | | | LUF 10.00/90 | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 300 V / 61 A / AWG 18 - AWG 6 | | | |
| | | | | LUF 10.00/90V* | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 58 A / AWG 18 - AWG 6 | • | | | |
| PUSH IN | | ≤ 16 mm² | | LUFS 10.00/180 | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 61 A / AWG 18 - AWG 6 | | | | |
| PUS | | ≥ 16 | | LUFS 10.00/180V* | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 58 A / AWG 18 - AWG 6 | | | | |
| | | | | LUFS 10.00/90 | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 61 A / AWG 18 - AWG 6" | • | | | |
| | | | 000 | LUFS 10.00/90V* | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 58 A / AWG 18 - AWG 6 | • | | | |
| | | | | LUF 15.00/90 | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 66 A / AWG 20 - AWG 4 | • | | | |
| <u> </u> | | 2mm ² | | LUF 15.00/90V* | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 66 A / AWG 20 - AWG 4 | • | | | |
| PUSH IN | | ≤ 16 mm² | | LUF 15.00/180 | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 66 A / AWG 20 - AWG 4 | | | | |
| | | | | LUFS 15.00/90V* | IEC: 1000 V / 76 A / 0.5 - 16 mm ² UL: 600 V / 66 A / AWG 20 - AWG 4 | | | | |
| | | _ | | | | | | | |

^{*} mit versetzten Lötstiften

N.14 Weidmüller ₹ 2977770000

| Pitch, in mm | | 7,50 | | | 10,00 | | | 15,00 | |
|-------------------|------------|--------|--------|-------|--------|--------|-------|--------|--------|
| Rated voltage IEC | 600 V | 1000 V | 1000 V | 600 V | 1000 V | 1000 V | 600 V | 1000 V | 1000 V |
| Rated voltage UL | 300 V | 300 V | 600 V | 300 V | 300 V | 600 V | 300 V | 300 V | 600 V |
| | | | | | | | | | |
| | \bigcirc | | | | | | | | |
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2977770000

LL 6.35



High-power PCB terminal with proven clamping yoke screw connection, 6.35 mm pitch, for conductor crosssections up to 6 mm².

- UL 600 V approval for unlimited international use in devices.
- Increased derating reserves due to the use of WEMID insulating material.
- \bullet Conductor outlet direction of 90°
- Block construction for versions up to 12 poles

Product data

IEC: 1000 V / 32 A / 0.18 - 6 mm² UL: 600 V / 30 A / AWG 26 - 10



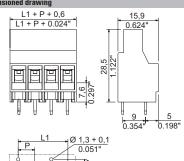
For additional articles and information, refer to eshop.weidmueller.com

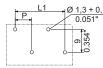
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- $\bullet\,$ It is necessary to hold the insulating body of the one or two pole terminal when tightening the screw
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LL 6.35









Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|-----------|----------|------|
| Clamping range, max. | mm ² | | 0.186 | i |
| Solid core H05(07) V-U | mm ² | | 0.186 | ; |
| Stranded H07 V-R | | | 4 | |
| Flexible H05(07) V-K | mm ² | | 0.224 | |
| Flexible with ferrule | mm ² | | 0.54 | |
| Ferrule with plastic collar | mm ² | | 0.52.5 | 5 |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | 0.8 | x 4.0, F | PZ 1 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | Nm | | 0.50.6 | 3 |
| Rated current, max. | Α | 32 | | 32 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 30 | 30 | 5 |
| AWG conductor | AWG | | 26-10 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 30 | 30 | 5 |
| AWG conductor | AWG | | 26-10 | |
| General data | | | | |
| Type of insulation material | | W | /emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | 1.0 x 0.6 | | |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

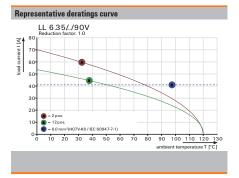
Accessories

| Note: Refer to the A | Accessories chapter for additional access | sories. |
|----------------------|-------------------------------------------|------------|
| Screwdriver | | Order No. |
| 1 | SDIS 0.8X4.0X100 | 2749820000 |
| 3 | SDS 0.8X4.0X100 | 2749360000 |
| | SDK PZ1 X 80 | 2749440000 |

| O. ao. iii | guutu | | | |
|------------|----------|--------|------|------------|
| Solder pi | n length | | | 5 mm |
| Colour | | | | black |
| Pitch | 6.35 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 6.35 | 0.250 | 138 | 1356830000 |
| 3 | 12.70 | 0.500 | 90 | 1356840000 |
| 4 | 19.05 | 0.750 | 66 | 1356850000 |
| 5 | 25.40 | 1.000 | 54 | 1356870000 |
| 6 | 31.75 | 1.250 | 48 | 1356880000 |
| 7 | 38.10 | 1.500 | 36 | 1356890000 |
| 8 | 44.45 | 1.750 | 36 | 1356900000 |
| 9 | 50.80 | 2.000 | 30 | 1356920000 |
| 10 | 57.15 | 2.250 | 24 | 1356930000 |
| 11 | 63.50 | 2.500 | 24 | 1356940000 |
| 12 | 69.85 | 2.750 | 24 | 1356950000 |







LU 10.16/../90



High-power PCB Terminal with clamping yoke screw connection, in 10.16 mm pitch for wire cross-sections up to 16 mm² (AWG 6).

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 300 V / 65 A / AWG 26 - 6



For additional articles and information, refer to eshop.weidmueller.com

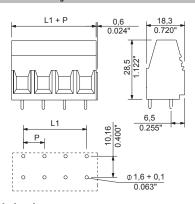
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 • Long term storage of the product with average temperature of 50 °C
- and maximum humidity 70%, 36 months

LU 10.16/../90







Ordering data

| Solder pin | length | | | 4.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 20 | 1934140000 |
| 3 | 20.32 | 0.800 | 20 | 1921450000 |
| 4 | 30.48 | 1.200 | 20 | 1226220000 |
| 5 | 40.64 | 1.600 | 20 | 1226230000 |
| 6 | 50.80 | 2.000 | 20 | 1226240000 |
| 7 | 60.96 | 2.400 | 20 | 1226250000 |
| 8 | 71.12 | 2.800 | 20 | 1226260000 |
| 9 | 81.28 | 3.200 | 20 | 1226270000 |
| 10 | 91.44 | 3.600 | 20 | 1226280000 |
| | | | | |

Technical data

| iecnnicai data | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
| Clamping range, max. | mm ² | (| 0.141 | 6 |
| Solid core H05(07) V-U | mm ² | | 0.516 | 6 |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | 3 |
| Flexible with ferrule | mm ² | | 2.510 |) |
| Ferrule with plastic collar | mm ² | | 2.510 |) |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 1.0 x 5. | 5 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | Nm | | 1.22.2 | 2 |
| Rated current, max. | Α | 76 | | 76 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 690 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 600 |
| Rated current | Α | 65 | 65 | 5 |
| AWG conductor | AWG | | 26-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 65 | 65 | 10 |
| AWG conductor | AWG | | 22-6 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.2 x 1. | 2 |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

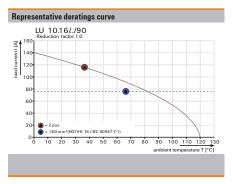
| Screwdriver | | Order No. |
|---------------------|------------------|------------|
| | SDS 1.0X5.5X150 | 2749380000 |
| | SDIS 1.0X5.5X125 | 2749850000 |
| | | |
| Crosshead screwd | river | |
| 1 | SDK PZ2 X 100 | 2749450000 |
| 1 | SDIK PZ2 X 100 | 2749930000 |
| / | | |
| Identification syst | ems | |
| | DEK 5 NEUTRAL | 0473360000 |
| | DEK 5/5 MC NE WS | 1609801044 |
| | | |



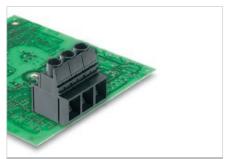








LUP 10.16/../90



High-power PCB terminal with clamping yoke screw connection, in 10.16 mm pitch for wire cross-sections up to 16 mm² (AWG 6).

- Increased derating reserves through the use of WEMID insulating material.
- Conductor outlet direction: 90°
- With integrated test point for test plug PS 2.0.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 300 V / 58 A / AWG 26 - 6



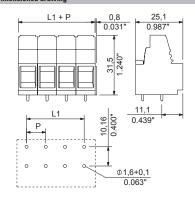
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- $\bullet\,$ The test point can only be used as potential-pickup point.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUP 10.16/../90







Technical data

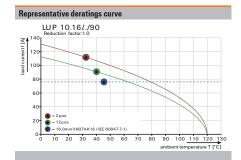
| In compliance with IEC 60664-1 | | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.131 | - |
| Solid core HO5(07) V-U | mm ² | | 0.516 | ì |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | |
| Flexible with ferrule | mm ² | | 2.510 |) |
| Ferrule with plastic collar | mm ² | | 2.510 |) |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | 1.0 | x 5.5, F | PZ 2 |
| According to norm | | - 1 | DIN 526 | 4 |
| Tightening torque range | Nm | | 1.21.5 | 5 |
| Rated current, max. | Α | 76 | | 72 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 58 | 58 | 5 |
| AWG conductor | AWG | | 26-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 58 | 58 | 5 |
| AWG conductor | AWG | | 22-6 | |
| General data | | | | |
| Type of insulation material | | V | /emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.2 x 1. | 2 |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Screwdriver | | Order No. |
|---------------------|------------------|------------|
| | SDS 1.0X5.5X150 | 2749380000 |
| _ | SDIS 1.0X5.5X125 | 2749850000 |
| _ | | |
| Crosshead screwd | river | |
| 0 | SDK PZ2 X 100 | 2749450000 |
| | SDIK PZ2 X 100 | 2749930000 |
| / | | |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |
| | | |
| Identification syst | ems | |
| 1 | DEK 5 NEUTRAL | 0473360000 |
| | DEK 5/5 MC NE WS | 1609801044 |
| | | |

Ordering data

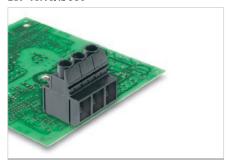
| | , | | | |
|------------|---------|--------|------|------------|
| Solder pir | length | | | 5 mm |
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 20 | 2014050000 |
| 3 | 20.32 | 0.800 | 20 | 2014060000 |
| 4 | 30.48 | 1.200 | 20 | 2014090000 |
| 5 | 40.64 | 1.600 | 20 | 2014140000 |
| 6 | 50.80 | 2.000 | 20 | 2014150000 |
| 7 | 60.96 | 2.400 | 20 | 2014160000 |
| 8 | 71.12 | 2.800 | 20 | 2014170000 |
| 9 | 81.28 | 3.200 | 20 | 2014180000 |
| | | | | |







LUP 10.16/../90V



High-performance PCB terminal block with clamping yoke screw connection, in 10.16 mm pitch for wire crosssections up to 16 mm² (AWG 6).

- UL approval 600 V
- Increased derating reserves through the use of WEMID insulating material.
- Wire outlet direction: 90°
- With integrated test point for test plug PS 2.0.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 51 A / AWG 22 - 6



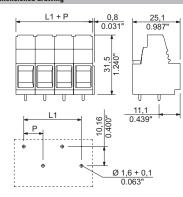
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LUP 10.16/../90V







Technical data

| ecillical data | | | | |
|--------------------------------|-----------------|-----------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | mm ² | - 1 | 0.131 | 6 |
| Solid core H05(07) V-U | mm² | | 0.516 | ì |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | 3 |
| Flexible with ferrule | mm ² | | 2.510 |) |
| Ferrule with plastic collar | mm ² | | 2.510 |) |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | 1.0 | x 5.5, F | PZ 2 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | Nm | | 1.21.5 | 5 |
| Rated current, max. | Α | 76 | | 72 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 8 6 | | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 51 | 51 | 5 |
| AWG conductor | AWG | | 22-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 51 | 51 | 5 |
| AWG conductor | AWG | | 22-6 | |
| General data | | | | |
| Type of insulation material | | W | /emid (F | PA) |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | 1.2 x 1.2 | | |
| Solder eyelet Ø = D | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Screwdriver | | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|
| | SDS 1.0X5.5X150 | 2749380000 |
| | SDIS 1.0X5.5X125 | 2749850000 |
| | | |
| Crosshead screwd | river | |
| | SDK PZ2 X 100 | 2749450000 |
| A CONTRACTOR OF THE PARTY OF TH | SDIK PZ2 X 100 | 2749930000 |
| / | | |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |
| | | |
| Identification syst | ems | |
| | DEK 5 NEUTRAL | 0473360000 |
| | DEK 5/5 MC NE WS | 1609801044 |
| | | |

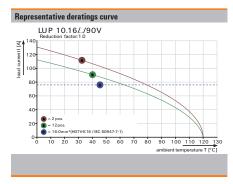
| Solder pi | n length | | | 5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 20 | 2012810000 |
| 3 | 20.32 | 0.800 | 20 | 2012890000 |
| 4 | 30.48 | 1.200 | 20 | 2013870000 |
| 5 | 40.64 | 1.600 | 20 | 2013880000 |
| 6 | 50.80 | 2.000 | 20 | 2013890000 |
| 7 | 60.96 | 2.400 | 20 | 2013900000 |
| 8 | 71.12 | 2.800 | 20 | 2013910000 |
| 9 | 81.28 | 3.200 | 20 | 2013920000 |



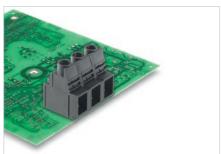








LUP 12.7/../90



High-performance PCB terminal block with clamping yoke screw connection, in 12.70 mm pitch for wire crosssections up to 16 mm².

- UL approval 600 V
- Increased derating reserves through the use of WEMID insulating material.
- Wire outlet direction: 90°
- With integrated test point for test plug PS 2.0.

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 600 V / 65 A / AWG 22 - 6



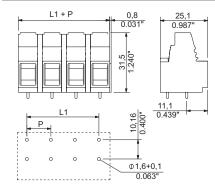
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LUP 12.7/../90







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------------|----------|------|
| Clamping range, max. | mm ² | | 0.131 | 6 |
| Solid core H05(07) V-U | mm ² | | 0.516 | ì |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | |
| Flexible with ferrule | mm ² | | 2.510 |) |
| Ferrule with plastic collar | mm ² | | 2.510 |) |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | 1.0 | x 5.5, F | PZ 2 |
| According to norm | | | OIN 526 | 4 |
| Tightening torque range | Nm | | 1.21.5 | 5 |
| Rated current, max. | Α | 76 | | 76 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 8 6 | | |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 65 | 65 | |
| AWG conductor | AWG | | 22-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 65 | 65 | |
| AWG conductor | AWG | | 22-6 | |
| General data | | | | |
| Type of insulation material | | Wemid (PA) | | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | 1.2 x 1.2 | | |
| Solder eyelet Ø = D | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Screwdriver | | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|
| | SDS 1.0X5.5X150 | 2749380000 |
| | SDIS 1.0X5.5X125 | 2749850000 |
| | | |
| Crosshead screwd | river | |
| 0 | SDK PZ2 X 100 | 2749450000 |
| A CONTRACTOR OF THE PARTY OF TH | SDIK PZ2 X 100 | 2749930000 |
| / | | |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |
| | | |
| Identification syste | ems | |
| J | DEK 5 NEUTRAL | 0473360000 |
| | DEK 5/5 MC NE WS | 1609801044 |
| | | |

Ordering data

| Solder pin | length | | | 5 mm |
|------------|---------|--------|------|------------|
| Colour | g | | | black |
| Pitch | 12.70 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 12.70 | 0.500 | 20 | 2014360000 |
| 3 | 25.40 | 1.000 | 20 | 2014380000 |
| 4 | 38.10 | 1.500 | 20 | 2014400000 |
| 5 | 50.80 | 2.000 | 20 | 2014420000 |
| 6 | 63.50 | 2.500 | 20 | 2014590000 |
| 7 | 76.20 | 3.000 | 20 | 2014610000 |
| 8 | 88.90 | 3.250 | 20 | 2014760000 |
| 9 | 101.60 | 4.000 | 20 | 2014900000 |

Representative deratings curve LUP 12.7/../90



LX 15.00/../90



High-power PCB Terminal with clamping yoke screw connection, in 15.00 mm pitch for wire cross-sections up to 25 mm² (AWG 4).

- UL 600 V approval.
- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90°.
- With integrated test point for PS 2.0 test plug.
- Versions up to 8 poles have block construction.
- · Available with and without mounting flange.

Product data

IEC: 1000 V / 101 A / 1.5 - 25 mm² UL: 600 V / 85 A / AWG 16 - 4



For additional articles and information, refer to eshop.weidmueller.com

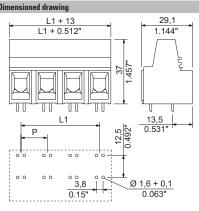
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LX 15.00/../90

with test point







Technical data

| Tooliiiloui uutu | | | | |
|--------------------------------|-----------------|-----------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | mm ² | | 1.312 | 5 |
| Solid core H05(07) V-U | mm ² | | 1.516 | i |
| Stranded H07 V-R | mm ² | | 625 | |
| Flexible H05(07) V-K | mm ² | | 1.525 | ; |
| Flexible with ferrule | mm ² | | 1.516 | 3 |
| Ferrule with plastic collar | mm ² | | 1.516 | 3 |
| Stripping length | mm | | 16 | |
| Screwdriver blade | mm | | 1.0 x 5. | 5 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | Nm | | 2.44 | |
| Rated current, max. | Α | 101 | | 101 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 8 6 | | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 85 | 85 | 5 |
| AWG conductor | AWG | | 16-4 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 85 | 85 | 5 |
| AWG conductor | AWG | | 16-4 | |
| General data | | | | |
| Type of insulation material | | W | /emid (P | PA) |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | 1.2 x 1.2 | | |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Screwdriver | | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|
| | SDS 1.2X6.5X150 | 2749390000 |
| | SDIS 1.2X6.5X150 | 2749860000 |
| | | |
| Crosshead screwd | river | |
| | SDK PZ2 X 100 | 2749450000 |
| A CONTRACTOR OF THE PARTY OF TH | SDIK PZ2 X 100 | 2749930000 |
| / | · | |
| Test plug | | |
| | PS 2.0 MC | 0310000000 |
| | | |
| | · | |
| Identification syste | ems | |
| | DEK 5 NEUTRAL | 0473360000 |
| | DEK 5/5 MC NE WS | 1609801044 |
| - | | |

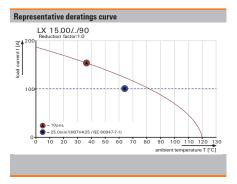
| Solder pin | length | | | 4.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 15.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 20 | 1226460000 |
| 3 | 15.00 | 0.591 | 20 | 1226470000 |
| | 30.00 | 1.181 | 20 | 1174720000 |
| 4 | 45.00 | 1.772 | 20 | 1226480000 |
| 5 | 60.00 | 2.362 | 20 | 1226490000 |
| 6 | 75.00 | 2.953 | 10 | 1226500000 |
| 7 | 90.00 | 3.543 | 10 | 1226510000 |
| 8 | 105.00 | 4.134 | 10 | 1921480000 |











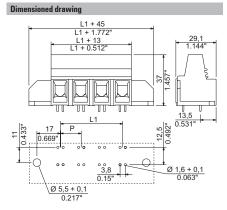
LXB 15.00/../90

with fixing flange and test point









Ordering data

| Solder pin | length | | | 4.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 15.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 15.00 | 0.591 | 20 | 1226520000 |
| 3 | 30.00 | 1.181 | 20 | 1226530000 |
| 4 | 45.00 | 1.772 | 20 | 1226540000 |
| 5 | 60.00 | 2.362 | 20 | 1226550000 |
| 6 | 75.00 | 2.953 | 10 | 1226560000 |
| 7 | 90.00 | 3.543 | 10 | 1226570000 |
| 8 | 105.00 | 4.134 | 10 | 1226580000 |

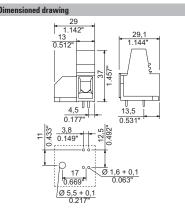
LXBL 15.00/../90

with fixing flange left and test point









Ordering data

| Solder p | in length | | | 4.5 mm |
|----------------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch 15.00 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 20 | 1226590000 |

LXXX 15.00/../90



High-power PCB Terminal with clamping yoke screw connection, in 15.00 mm pitch for wire cross-sections up to 50 mm² (AWG 1).

- UL 600 V approval for unlimited international usage in devices.
- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- With integrated test point for PS 2.0 test plug.
- · Versions up to 8 poles have block construction.
- Available with and without mounting flange.

Product data

IEC: 1000 V / 150 A / 0.5 - 50 mm² UL: 600 V / 126 A / AWG 20 - 1



For additional articles and information, refer to eshop.weidmueller.com

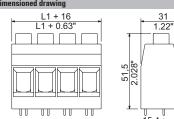
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- $\bullet\,$ IP 20 from 16 mm^2 to 50 mm^2
- The test point can only be used as potential-pickup point.
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

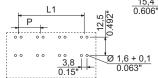
LXXX 15.00/../90

with test point









Technical data

| i ooniniour uutu | | | | |
|--------------------------------|-----------------|-------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
| Clamping range, max. | mm ² | | 0.550 | 1 |
| Solid core H05(07) V-U | mm ² | | 0.516 | i |
| Stranded H07 V-R | mm ² | | 650 | |
| Flexible H05(07) V-K | mm ² | | 0.535 | , |
| Flexible with ferrule | mm ² | | 0.535 | , |
| Ferrule with plastic collar | mm ² | | 0.535 | , |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | | 1.2 x 6. | 5 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | Nm | | 2.54 | |
| Rated current, max. | | 150 | | 150 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 126 | 126 | |
| AWG conductor | AWG | | 20-1 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 127 | 127 | 5 |
| AWG conductor | AWG | | 20-1 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.2 x 1. | 2 |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| | Order No. |
|------------------|--------------------------------------------------------------------------|
| SDS 1.2X6.5X150 | 2749390000 |
| SDIS 1.2X6.5X150 | 2749860000 |
| | |
| ver | |
| SDK PZ2 X 100 | 2749450000 |
| SDIK PZ2 X 100 | 2749930000 |
| | |
| | |
| PS 2.0 MC | 0310000000 |
| | |
| | |
| ns | |
| DEK 5 NEUTRAL | 0473360000 |
| DEK 5/5 MC NE WS | 1609801044 |
| | SDIS 1.2X6.5X150 Ver SDK PZ2 X 100 SDIK PZ2 X 100 PS 2.0 MC PS 2.0 MC |

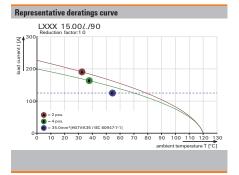
Ordering data

| Solder p | in length | | | 4.5 mm |
|-------------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 15.00 | mm | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 20 | 1047120000 |
| 2 | 15.00 | 0.591 | 20 | 1047130000 |
| 3 | 30.00 | 1.181 | 10 | 1047140000 |
| 3 4 5 | 45.00 | 1.772 | 10 | 1047150000 |
| 5 | 60.00 | 2.363 | 16 | 1386250000 |
| 6 | 75.00 | 2.954 | 12 | 1386400000 |
| 7 | 90.00 | 3.545 | 12 | 1386550000 |
| 8 | 105.00 | 4.136 | 10 | 1386700000 |
| 9 | 120.00 | 4.727 | 8 | 1386850000 |









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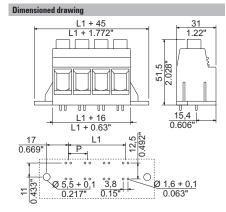
LXXX 15.00/../90F

with fixing flange and test point









Ordering data

| Solder pin | length | | | 4.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 15.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 20 | 1047280000 |
| 2 | 15.00 | 0.591 | 20 | 1047290000 |
| 3 | 30.00 | 1.181 | 10 | 1047300000 |
| 4 | 45.00 | 1.772 | 10 | 1047310000 |
| 5 | 60.00 | 2.363 | 12 | 1386290000 |
| 6 | 75.00 | 2.954 | 10 | 1386440000 |
| 7 | 90.00 | 3.545 | 8 | 1386590000 |
| 8 | 105.00 | 4.136 | 8 | 1386740000 |
| 9 | 120.00 | 4.727 | 8 | 1386890000 |
| | | | | |

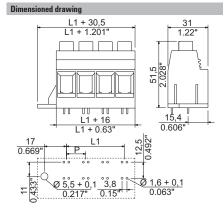
LXXX 15.00/../90FL

with fixing flange left and test point









Ordering data

| Solder pin | length | | | 4.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 15.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 20 | 1047440000 |
| 2 | 15.00 | 0.591 | 20 | 1047450000 |
| 3 | 30.00 | 1.181 | 10 | 1047460000 |
| 4 | 45.00 | 1.772 | 10 | 1047470000 |
| 5 | 60.00 | 2.363 | 12 | 1386330000 |
| 6 | 75.00 | 2.954 | 12 | 1386480000 |
| 7 | 90.00 | 3.545 | 10 | 1386630000 |
| 8 | 105.00 | 4.136 | 8 | 1386780000 |
| 9 | 120.00 | 4.727 | 8 | 1386930000 |
| | | | | |

LXXX 15.00/../90FR

with fixing flange right and test point



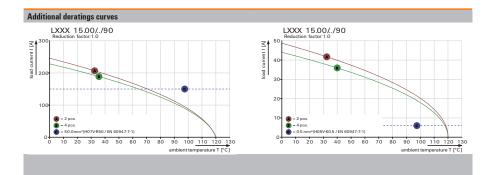




| Dimensioned drawing | |
|---------------------------------------------------------------------------------------------------------|----------|
| | 31 1.22" |
| Ø 1,6 + 0,1 P 17 0.669" 10 0.063" P 10 0.669" 11 3,8 05,5 + 0,1 E 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | |

Ordering data

| | - 3 | | | |
|----------|------------|--------|------|------------|
| Solder p | in length | | | 4.5 mm |
| Colour | | | | black |
| Pitch | 15.00 | mm | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 20 | 1047600000 |
| 2 | 15.00 | 0.591 | 20 | 1047610000 |
| 3 | 30.00 | 1.181 | 10 | 1047620000 |
| 5 | 45.00 | 1.772 | 10 | 1047630000 |
| 5 | 60.00 | 2.363 | 12 | 1386370000 |
| 6 | 75.00 | 2.954 | 12 | 1386520000 |
| 7 | 90.00 | 3.545 | 10 | 1386670000 |
| 8 | 105.00 | 4.136 | 8 | 1386820000 |
| 9 | 120.00 | 4.727 | 8 | 1386970000 |
| | | | | |



LLF 7.50/../90



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 300 V / 35 A / AWG 24 - 8



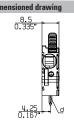
For additional articles and information, refer to eshop.weidmueller.com

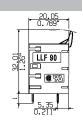
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LLF 7.50/../90













Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | | | |
|----------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.256 | |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | mm ² | | 0.5 | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 0.256 | |
| Ferrule with plastic collar | mm ² | | 0.256 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 600 | 1000 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 35 | 35 | 10 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 1000 | 300 |
| Rated current | Α | 35 | 35 | 10 |
| AWG conductor | AWG | | 24-8 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | d = 1.5 | |
| Solder eyelet Ø = D | mm | | 2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

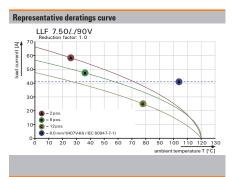
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | |
|---------------------------------------------------------------------------|------------------|------------|
| Screwdriver | | Order No. |
| M | SDIS 0.5X3.0X100 | 2749800000 |
| 3 | SDS 0.5X3.0X80 | 2749330000 |
| | | |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |
| - | | |

| Solder pin | length | | | 5 mm |
|------------|--------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 200 | 2471520000 |







LLF 7.50/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 35 A / AWG 24 - 8



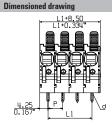
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLF 7.50/../90V













Technical data

| Toominour uutu | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | mm ² | | 0.256 | 3 |
| Solid core H05(07) V-U | mm ² | | 0.56 | |
| Stranded H07 V-R | mm ² | | 0.5 | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 0.256 | 3 |
| Ferrule with plastic collar | mm ² | | 0.256 | 3 |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-8 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | d = 1.5 | |
| Solder eyelet $\emptyset = D$ | mm | | 2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| No. | SDIS 0.5X3.0X100 | 2749800000 |
| | SDS 0.5X3.0X80 | 2749330000 |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |

Ordering data

| Solder pi | n length | | | 5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 100 | 2471530000 |
| 3 | 15.00 | 0.590 | 80 | 2472090000 |
| 4 | 22.50 | 0.885 | 80 | 2472100000 |
| 5 | 30.00 | 1.180 | 50 | 2472110000 |
| 6 | 37.50 | 1.475 | 50 | 2472120000 |
| 7 | 45.00 | 1.770 | 50 | 2472130000 |
| 8 | 52.50 | 2.065 | 30 | 2472140000 |
| 9 | 60.00 | 2.360 | 30 | 2472150000 |
| 10 | 67.50 | 2.655 | 20 | 2472160000 |
| 11 | 75.00 | 2.950 | 20 | 2472170000 |
| 12 | 82.50 | 3.245 | 20 | 2472180000 |
| | | | | |

Representative deratings curve LLF 7.50/./90V





LLFS 7.50/../90



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 1000 V / 37 A / AWG 24 - 8



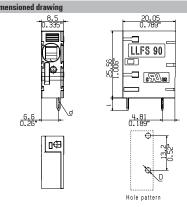
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point
- . The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LLFS 7.50/../90







Technical data

| In compliance with IEC 60664-1 | / IEC 6100/ | | | |
|---------------------------------------------|---------------------|-------|----------|------|
| | / IEG 0 1984 mm² | | 0.256 | |
| Clamping range, max. Solid core H05(07) V-U | mm² | | 0.250 | |
| , , | mm² | 0.54 | | |
| Stranded H07 V-R | 2 | | | |
| Flexible H05(07) V-K | mm ² | 0.56 | | |
| Flexible with ferrule | mm ² | 0.256 | | |
| Ferrule with plastic collar | mm ² | 0.256 | | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 600 | 1000 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 37 | 37 | 10 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 1000 | 300 |
| Rated current | Α | 37 | 37 | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | W | emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | d = 1.5 | |
| Solder eyelet Ø = D | mm | | 2 | |
| Solder evelet Ø tolerance | mm | | + 0.1 | |

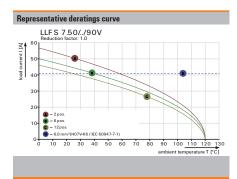
Accessories

| Note: Refer to th | e Accessories chapter for additional access | sories. |
|-------------------|---------------------------------------------|------------|
| Screwdriver | | Order No. |
| M | SDIS 0.8X4.0X100 | 2749820000 |
| 1 | SDS 0.8X4.0X100 | 2749360000 |
| | | |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| - | | |
| - | | |
| | | |

| Solder pin | 5 mm | | | |
|------------|--------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 200 | 2473420000 |







LLFS 7.50/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 $\rm mm^2.$

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 37 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

Note

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLFS 7.50/../90V





Dimensioned drawing 1.1+8, 50 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334" 1.1+0. 334"

Hole pattern

Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|------------------------------------------------------------|----------|
| Clamping range, max. | mm ² | | 0.256 | , |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | mm ² | | | |
| Flexible H05(07) V-K | mm ² | 0.56 | | |
| Flexible with ferrule | mm ² | | 0.256 | |
| Ferrule with plastic collar | mm ² | 0.256 | | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 37 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 37 | 37 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CCA (II C) | | | | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | B 600 | C | D |
| | V A | | | |
| Rated voltage | • | 600 | 600 | 600 |
| Rated voltage Rated current | A | 600 | 600 37 | 600 |
| Rated voltage Rated current AWG conductor General data Type of insulation material | A | 600 37 | 600 37 24-8 /emid (P | 600 5 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A | 600 37 | 600 37 24-8 | 600 5 |
| Rated voltage Rated current AWG conductor General data Type of insulation material | A | 600 37 W | 600 37 24-8 'emid (P V-0 Cu-alloy | 600 5 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A | 600 37 W | 600 37 24-8 'emid (P V-0 | 600 5 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A | 600 37 W | 600 37 24-8 'emid (P V-0 Cu-alloy | 600 5 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG | 600 37 W | 600 37 24-8 /emid (P V-0 Cu-alloy tinned | 600 5 |

Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| (a) | SDIS 0.8X4.0X100 | 2749820000 |
| | SDS 0.8X4.0X100 | 2749360000 |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |

Ordering data

| black |
|----------|
| |
| der No. |
| 73000000 |
| 73010000 |
| 73020000 |
| 73030000 |
| 73040000 |
| 73050000 |
| 73060000 |
| 73070000 |
| 73080000 |
| 73090000 |
| 73100000 |
| |





2977770000 **Weidmüller 3**

LLFS 7.50/../180



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 1000 V / 37 A / AWG 24 - 8



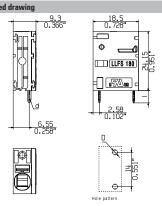
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point
- . The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LLFS 7.50/../180







Technical data

| Toominour dutu | | | | |
|--------------------------------|-----------------|-------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | mm ² | | 0.256 | |
| Solid core H05(07) V-U | mm ² | 0.56 | | |
| Stranded H07 V-R | mm ² | 0.5 | | |
| Flexible H05(07) V-K | mm ² | 0.56 | | |
| Flexible with ferrule | mm ² | 0.256 | | |
| Ferrule with plastic collar | mm ² | 0.256 | | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 600 | 1000 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 37 | 37 | 10 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 1000 | 300 |
| Rated current | Α | 37 | 37 | 10 |
| AWG conductor | AWG | | 24-8 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | d = 1.5 | |
| Solder eyelet $\emptyset = D$ | mm | | 2 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

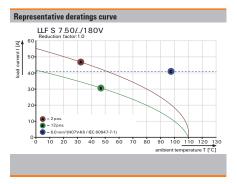
Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| (a) | SDIS 0.8X4.0X100 | 2749820000 |
| | SDS 0.8X4.0X100 | 2749360000 |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |

| Solder pir | length | | | 5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.50 mi | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 200 | 2491110000 |







LLFS 7.50/../180V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 6 $\rm mm^2.$

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 37 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

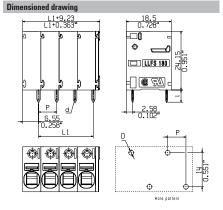
Note

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LLFS 7.50/../180V







Technical data

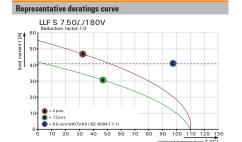
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|------------------------------------------------------------------|-----------------|-------|-----------------------|------|
| Clamping range, max. | mm ² | | 0.256 | , |
| Solid core H05(07) V-U | mm ² | 0.56 | | |
| Stranded H07 V-R | mm ² | 0.5 | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | 0.256 | | ; |
| Ferrule with plastic collar | mm ² | 0.256 | | ; |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 38 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 37 | 37 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 37 | 37 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | W | emid (F | A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| | | | | |
| Pin dimensions = d | mm | | d = 1.5 | |
| Pin dimensions = d Solder eyelet Ø = D Solder evelet Ø tolerance | mm mm | | d = 1.5 2 + 0.1 | |

Accessories

| | Order No. |
|------------------|-----------------|
| SDIS 0.8X4.0X100 | 2749820000 |
| SDS 0.8X4.0X100 | 2749360000 |
| | |
| PS 2.0 MC | 0310000000 |
| | |
| | SDS 0.8X4.0X100 |

Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 5 mm |
| Colour | | | | black |
| Pitch | 7.50 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.50 | 0.295 | 100 | 2491620000 |
| 3 | 15.00 | 0.591 | 80 | 2491630000 |
| 4 | 22.50 | 0.886 | 80 | 2491640000 |
| 5 | 37.50 | 1.476 | 50 | 2491650000 |
| 6 | 30.00 | 1.181 | 50 | 2491660000 |
| 7 | 45.00 | 1.772 | 50 | 2491670000 |
| 8 | 52.50 | 2.067 | 30 | 2491680000 |
| 9 | 60.00 | 2.362 | 30 | 2491690000 |
| 10 | 67.50 | 2.657 | 20 | 2491700000 |
| 11 | 75.00 | 2.953 | 20 | 2491710000 |
| 12 | 82.50 | 3.248 | 20 | 2491720000 |









2977770000 **Weidmüller 3**

LUF 10.00/../90



High-performance PCB terminal block with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the Connection Safety Concept, the conductor is always clamped
- Integrated test point for PS 2.0 test plug
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves thanks to WEMID insulating material
- \bullet Wire outlet direction of 90°

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm² UL: 600 V / 61 A / AWG 18 - 6



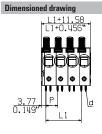
For additional articles and information, refer to eshop.weidmueller.com

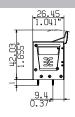
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LUF 10.00/../90













Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | | 0.516 | |
| Solid core H05(07) V-U | mm² | | 0.516 | i |
| Stranded H07 V-R | mm ² | | 625 | |
| Flexible H05(07) V-K | mm ² | | 0.525 | |
| Flexible with ferrule | mm ² | | 0.516 | |
| Ferrule with plastic collar | mm ² | | 0.516 | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | (| 0.8 x 4.0 |) |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 101 | | 101 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 61 | 61 | 5 |
| AWG conductor | AWG | | 18-6 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 1000 | 600 |
| Rated current | Α | 61 | 61 | 5 |
| AWG conductor | AWG | | 18-6 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 1.2 | , Octago | nal |
| Solder eyelet Ø = D | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

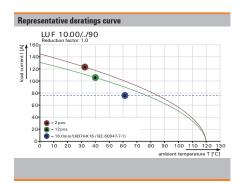
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Screwdriver | | Order No. | |
| 0 | SDS 0.8X4.0X100 | 2749360000 | |
| | SDIS 0.8X4.0X100 | 2749820000 | |
| Test plug | | | |
| • | PS 2.0 MC | 0310000000 | |
| | <u> </u> | | |

| Solder pin | length | | | 5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 50 | 1988590000 |
| 2 | 10.00 | 0.394 | 40 | 1988600000 |
| 3 | 20.00 | 0.787 | 40 | 1988610000 |
| 4 | 30.00 | 1.181 | 30 | 1988620000 |
| 5 | 40.00 | 1.575 | 25 | 1988630000 |
| 6 | 50.00 | 1.969 | 20 | 1988640000 |
| 7 | 60.00 | 2.362 | 10 | 1988650000 |
| 8 | 70.00 | 2.756 | 10 | 1988660000 |
| 9 | 80.00 | 3.150 | 10 | 1988670000 |
| 10 | 90.00 | 3.543 | 10 | 1988680000 |
| 11 | 100.00 | 3.937 | 10 | 1988690000 |
| 12 | 110.00 | 4.331 | 10 | 1988700000 |
| | | | | |







LUF 10.00/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 92 A / 0.5 - 25 mm² UL: 600 V / 58 A / AWG 18 - 6



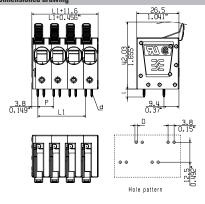
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LUF 10.00/../90V







Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | ļ | | |
|-----------------------------------------------|-----------------|------|--------------|------|
| Clamping range, max. | mm ² | | 0.516 | 3 |
| Solid core H05(07) V-U | mm² | - (| 0.516 | i |
| Stranded H07 V-R | mm ² | | 625 | |
| Flexible H05(07) V-K | mm ² | | 0.525 | ; |
| Flexible with ferrule | mm ² | | 0.516 | 3 |
| Ferrule with plastic collar | mm ² | | 0.516 | 3 |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | (|).8 x 4. | 0 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 92 | | 82 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | - 11 |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 690 | 1000 |
| Rated impulse voltage | kV | 8 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 58 | 58 | 5 |
| AWG conductor | AWG | | 18-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 58 | 58 | 5 |
| AWG conductor | AWG | | 18-6 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| | | | | |
| Solder eyelet Ø = D Solder eyelet Ø tolerance | mm | | 1.6 + 0,1 | |

Accessories

| | Order No. |
|------------------|-----------------|
| SDIS 0.8X4.0X100 | 2749820000 |
| SDS 0.8X4.0X100 | 2749360000 |
| | |
| PS 2.0 MC | 0310000000 |
| | |
| | SDS 0.8X4.0X100 |

Ordering data

| length | | | 5 mm |
|---------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | black |
| 10.00 m | m | | |
| L1 | (inch) | Qty. | Order No. |
| 10.00 | 0.394 | 40 | 2453690000 |
| 20.00 | 0.787 | 40 | 2453700000 |
| 30.00 | 1.181 | 30 | 2453710000 |
| 40.00 | 1.575 | 25 | 2453720000 |
| 50.00 | 1.969 | 20 | 2453730000 |
| 60.00 | 2.362 | 10 | 2453740000 |
| 70.00 | 2.756 | 10 | 2453750000 |
| 80.00 | 3.150 | 10 | 2453760000 |
| 90.00 | 3.543 | 10 | 2453770000 |
| 100.00 | 3.937 | 10 | 2453780000 |
| 110.00 | 4.331 | 10 | 2453790000 |
| | 10.00 m L1 10.00 20.00 30.00 40.00 50.00 60.00 70.00 80.00 90.00 100.00 | 10.00 mm L1 (inch) 10.00 0.394 20.00 0.787 30.00 1.181 40.00 1.575 50.00 1.969 60.00 2.362 70.00 2.756 80.00 3.150 90.00 3.543 100.00 3.937 | 10.00 mm L1 (inch) Qty. 10.00 0.394 40 20.00 0.787 40 30.00 1.181 30 40.00 1.575 25 50.00 1.969 20 60.00 2.362 10 70.00 2.756 10 80.00 3.150 10 90.00 3.543 10 100.00 3.937 10 |

Representative deratings curve LUF 10.00/./90V





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LUFS 10.00/../90



High-performance PCB terminal block with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the Connection Safety Concept, the conductor is always clamped securely
- Integrated test point for PS 2.0 test plug
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves thanks to WEMID insulating material
- \bullet Wire outlet direction of 90°

In compliance with IEC 60664-1 / IEC 61984

Technical data

Clamping range, max.

Stranded H07 V-R

Flovible HOE/O7) V-K

Solid core H05(07) V-U

Material of contact surface

Solder eyelet Ø tolerance

Pin dimensions = d

Solder eyelet Ø = D

Product data

IEC: 1000 V / 76 A / 0.5 - 25 mm² UL: 1000 V / 53 A / AWG 18 - 4



For additional articles and information, refer to eshop.weidmueller.com

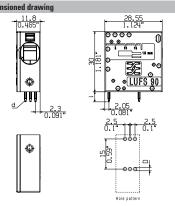
Note

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 10.00/../90







Accessories

0.5...16

0.5...16

6...25

1.2, Octagonal

1.6

+ 0,1

mm

mm

mm²

mm²

mm²

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Screwdriver | | Order No. | |
| (A) | SDIS 0.8X4.0X100 | 2749820000 | |
| 1 | SDS 0.8X4.0X100 | 2749360000 | |
| | | | |
| Test plug | | | |
| • | PS 2.0 MC | 0310000000 | |
| | | | |
| | | | |
| | | | |
| | | | |

Ordering data

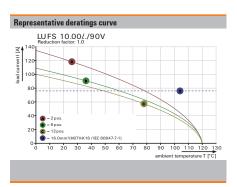
| Solder pin | length | | | 5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.00 r | nm | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 50 | 2500560000 |

Tig

| Flexible HU5(U7) V-K | mm² | | U.5Z5 | |
|-----------------------------|-----------------|------|-----------|------|
| Flexible with ferrule | mm ² | | 0.516 | |
| Ferrule with plastic collar | mm ² | | 0.516 | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | (|).8 x 4.0 |) |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 76 | | 76 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 53 | 53 | 5 |
| AWG conductor | AWG | | 18-4 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 53 | 53 | 5 |
| AWG conductor | AWG | | 18-4 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |







LUFS 10.00/../90V



High-performance PCB terminal block with PUSH IN connection system for wire cross-sections up to $16\ mm^2$.

- Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point: with the Connection Safety Concept, the conductor is always clamped securely
- Integrated test point for PS 2.0 test plug
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves thanks to WEMID insulating material
- \bullet Wire outlet direction of 90°

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm² UL: 600 V / 53 A / AWG 18 - 4



For additional articles and information, refer to eshop.weidmueller.com

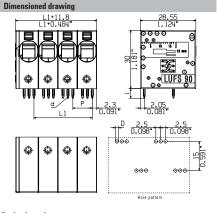
Note

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 10/../90V







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | | 0.516 | |
| Solid core H05(07) V-U | mm² | | 0.516 | i |
| Stranded H07 V-R | mm ² | | 625 | |
| Flexible H05(07) V-K | mm ² | | 0.525 | |
| Flexible with ferrule | mm ² | | 0.516 | |
| Ferrule with plastic collar | mm ² | | 0.516 | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | - | 0.8 x 4.0 | 0 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 101 | | 90.2 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 53 | 53 | 5 |
| AWG conductor | AWG | | 18-4 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 53 | 53 | 5 |
| AWG conductor | AWG | | 18-4 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 1.2 | , Octago | onal |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder evelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| <u> </u> | SDIS 0.8X4.0X100 | 2749820000 |
| | SDS 0.8X4.0X100 | 2749360000 |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |

Ordering data

| Solder pin length | | | |
|-------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | black |
| 10.00 m | m | | |
| L1 | (inch) | Qty. | Order No. |
| 10.00 | 0.394 | 40 | 2499430000 |
| 20.00 | 0.787 | 40 | 2500460000 |
| 30.00 | 1.181 | 30 | 2500470000 |
| 40.00 | 1.575 | 25 | 2500480000 |
| 50.00 | 1.969 | 20 | 2500490000 |
| 60.00 | 2.362 | 10 | 2500500000 |
| 70.00 | 2.756 | 10 | 2500510000 |
| 80.00 | 3.150 | 10 | 2500520000 |
| 90.00 | 3.543 | 10 | 2500530000 |
| 100.00 | 3.937 | 10 | 2500540000 |
| 110.00 | 4.331 | 10 | 2500550000 |
| | 10.00 m L1 10.00 20.00 30.00 40.00 50.00 60.00 70.00 80.00 90.00 100.00 | 10.00 mm L1 (inch) 10.00 0.394 20.00 0.787 30.00 1.181 40.00 1.575 50.00 1.969 60.00 2.362 70.00 2.756 80.00 3.150 90.00 3.543 100.00 3.937 | 10.00 mm L1 (inch) 0ty. 10.00 0.394 40 20.00 0.787 40 30.00 1.181 30 40.00 1.575 25 50.00 1.969 20 60.00 2.362 10 70.00 2.756 10 80.00 3.150 10 90.00 3.543 10 100.00 3.937 10 |





2977770000 **Weidmüller 3**

LUFS 10.00/../180



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped
- Integrated test point for test plug PS 2.0
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction and activation in 180° version

Product data

IEC: 1000 V / 76 A / 0.5 - 16 mm² UL: 1000 V / 57 A / AWG 18 - 4



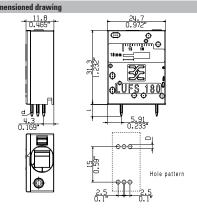
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LUFS 10.00/../180







Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | | | |
|-----------------------------------------------|-----------------|----------------|--------------|------|
| Clamping range, max. | mm² | | 0.516 | ; |
| Solid core H05(07) V-U | mm ² | 0.516 | | |
| Stranded H07 V-R | mm² | 616 | | |
| Flexible H05(07) V-K | mm ² | 0.516 | | |
| Flexible with ferrule | mm² | 0.516 | | |
| Ferrule with plastic collar | mm ² | 0.516 | | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | (| 0.8 x 4.0 | 0 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 76 | | 76 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 57 | 57 | 5 |
| AWG conductor | AWG | | 18-4 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 57 | 57 | 5 |
| AWG conductor | AWG | | 18-4 | |
| General data | | | | |
| Type of insulation material | | Wemid (PA) | | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 1.2, Octagonal | | onal |
| | | 1.6 | | |
| Solder eyelet Ø = D Solder eyelet Ø tolerance | mm | | 1.6 + 0,1 | |

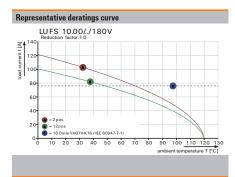
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-------------------------------------|--|--|--|
| | Order No. | | | |
| SDIS 0.8X4.0X100 | 2749820000 | | | |
| SDS 0.8X4.0X100 | 2749360000 | | | |
| | | | | |
| | | | | |
| PS 2.0 MC | 0310000000 | | | |
| | | | | |
| | | | | |
| | SDIS 0.8X4.0X100 SDS 0.8X4.0X100 | | | |

| Solder pin | length | | | 5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.00 r | nm | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 1 | 0.00 | 0.000 | 50 | 2491810000 |







LUFS 10.00/../180V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm².

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped
- Integrated test point for test plug PS 2.0
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction and activation in 180° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm² UL: 600 V / 57 A / AWG 18 - 4



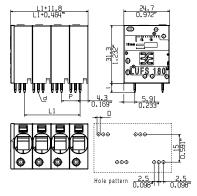
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LUFS 10.00/../180V







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|------------------------------------------------------------------------|-----------------|----------------|--------------------------|------|
| Clamping range, max. | mm ² | | 0.516 | ; |
| Solid core H05(07) V-U | mm ² | 0.516 | | |
| Stranded H07 V-R | mm ² | 625 | | |
| Flexible H05(07) V-K | mm ² | 0.525 | | |
| Flexible with ferrule | mm ² | 0.516 | | |
| Ferrule with plastic collar | mm ² | 0.516 | | |
| Stripping length | mm | 18 | | |
| Screwdriver blade | mm | (| 0.8 x 4.0 | 0 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 101 | | 101 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 57 | 57 | 5 |
| AWG conductor | AWG | | 18-4 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | A | 57 | 57 | 5 |
| AWG conductor | AWG | | 18-4 | |
| General data | | | | |
| Type of insulation material | | Wemid (PA) | | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | | Cu-alloy | ' |
| Material of contact surface | | tinned | | |
| | | 1.2, Octagonal | | |
| Pin dimensions = d | mm | 1.2 | . 0 | onal |
| Pin dimensions = d Solder eyelet Ø = D Solder eyelet Ø tolerance | mm mm | 1.2 | , Octago 1.6 + 0,1 | onal |

Accessories

| A | SDIS 0.8X4.0X100 | 2749820000 |
|-----------|------------------|------------|
| | SDS 0.8X4.0X100 | 2749360000 |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |

Ordering data

| Solder pin length | | | | 5 mm |
|-------------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.00 | 0.394 | 40 | 2492110000 |
| 3 | 20.00 | 0.787 | 40 | 2492120000 |
| 4 | 30.00 | 1.181 | 30 | 2492130000 |
| 5 | 40.00 | 1.575 | 25 | 2492140000 |
| 6 | 50.00 | 1.969 | 20 | 2492150000 |
| 7 | 60.00 | 2.362 | 10 | 2492160000 |
| 8 | 70.00 | 2.756 | 10 | 2492170000 |
| 9 | 80.00 | 3.150 | 10 | 2492180000 |
| 10 | 90.00 | 3.543 | 10 | 2492190000 |
| 11 | 100.00 | 3.937 | 10 | 2492200000 |
| 12 | 110.00 | 4.331 | 10 | 2492210000 |

Representative deratings curve LUFS 10.00/./180V





LUF 15.00/../90



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to $16\ mm^2$ in $15.00\ mm$ pitch

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point, with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- \bullet Wire outlet direction and activation in 90° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm² UL: 600 V / 61 A / AWG 18 - 6



For additional articles and information, refer to eshop.weidmueller.com

Note

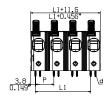
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUF 15.00/../90

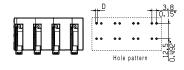




Dimensioned drawing







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|-------|-----------|------|
| Clamping range, max. | mm ² | | 0.516 | |
| Solid core H05(07) V-U | mm ² | 0.516 | | |
| Stranded H07 V-R | mm ² | 1025 | | |
| Flexible H05(07) V-K | mm ² | 0.525 | | |
| Flexible with ferrule | mm ² | 0.516 | | |
| Ferrule with plastic collar | mm ² | 0.516 | | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | (| 0.8 x 4.0 |) |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 101 | | 101 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 61 | 61 | 5 |
| AWG conductor | AWG | | 18-6 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 61 | 61 | 5 |
| AWG conductor | AWG | | 18-6 | |
| General data | | | | |
| Type of insulation material | | W | emid (P | A) |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | | |
| Pin dimensions = d | mm | 1.2 | , Octago | nal |
| Solder eyelet $\emptyset = D$ | mm | | 1.7 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

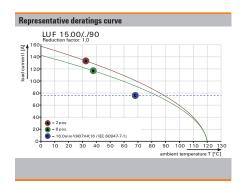
Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| W | SDIS 0.8X4.0X100 | 2749820000 |
| | SDS 0.8X4.0X100 | 2749360000 |
| | | |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |
| | | |
| | | |

| Solder pi | n length | | | 5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 15.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.00 | 0.590 | 40 | 2491800000 |
| 3 | 30.00 | 1.181 | 30 | 2491900000 |
| 4 | 45.00 | 1.772 | 25 | 2491910000 |
| 5 | 60.00 | 2.362 | 20 | 2491920000 |
| 6 | 75.00 | 2.953 | 10 | 2491930000 |
| 7 | 90.00 | 3.543 | 10 | 2491940000 |
| 8 | 105.00 | 4.134 | 10 | 2491950000 |







LUF 15.00/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm² in 15.00 mm pitch

- · Fast connection without tools thanks to an operating lever for opening the contact point, or direct insertion
- Securely closed contact point, with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction: 90° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm² UL: 600 V / 58 A / AWG 18 - 6



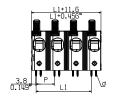
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

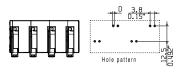
LUF 15.00/../90V











Technical data

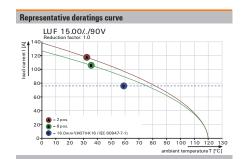
| In compliance with IEC 60664-1 / I | EC 61984 | ļ | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--------------------------------------------------|----------------|--|
| Clamping range, max. | mm ² | 0.516 | | | |
| Solid core H05(07) V-U | mm² | 0.516 | | | |
| Stranded H07 V-R | mm ² | | 1025 | | |
| Flexible H05(07) V-K | mm ² | | 0.525 | | |
| Flexible with ferrule | mm ² | | 0.516 | | |
| Ferrule with plastic collar | mm ² | | 0.516 | | |
| Stripping length | mm | | 18 | | |
| Screwdriver blade | mm | (| 0.8 x 4.0 |) | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 101 | | 95.3 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | Ш | Ш | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 1000 | 1000 | 1000 | |
| Rated impulse voltage | kV | 8 8 8 | | | |
| UL / CUL (Use Group) | | B C D | | | |
| Rated voltage | V | 600 | 600 | 600 | |
| Rated current | Α | 58 | 58 | 5 | |
| ANNO I 4 | | | | | |
| AWG conductor | AWG | | 18-6 | | |
| CSA (Use Group) | | В | 18-6 C | D | |
| CSA (Use Group) Rated voltage | AWG V | 600 | C | 600 | |
| CSA (Use Group) Rated voltage Rated current | V | | C 600 58 | | |
| CSA (Use Group) Rated voltage Rated current AWG conductor | V | 600 | C | 600 | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data | V | 600 58 | 600 58 18-6 | 600 5 | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V | 600 58 | 600 58 18-6 | 600 5 | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V | 600 58 W | 600 58 18-6 Temid (P | 600 5 A) | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V | 600 58 W | 600 58 18-6 | 600 5 A) | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V | 600 58 | 600 58 18-6 'emid (P V-0 Cu-alloy | 600 5 A) | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | V | 600 58 | 600 58 18-6 'emid (P V-0 Cu-alloy | 600 5 A) | |
| CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG | 600 58 | 600 58 18-6 'emid (P V-0 Cu-alloy | 600 5 A) | |

Accessories

| | Order No. |
|------------------|-----------------|
| SDIS 0.8X4.0X100 | 2749820000 |
| SDS 0.8X4.0X100 | 2749360000 |
| | |
| PS 2.0 MC | 0310000000 |
| PS 2.0 IVIL | 031000000 |
| | SDS 0.8X4.0X100 |

Ordering data

| Solder pi | 5 mm | | | |
|-----------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 15.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.00 | 0.590 | 40 | 2492000000 |
| 3 | 30.00 | 1.181 | 30 | 2492010000 |
| 4 | 45.00 | 1.772 | 25 | 2492020000 |
| 5 | 60.00 | 2.362 | 20 | 2492030000 |
| 6 | 75.00 | 2.953 | 10 | 2492040000 |
| 7 | 90.00 | 3.543 | 10 | 2492050000 |
| 8 | 105.00 | 4.134 | 10 | 2492060000 |







LUFS 15.00/../90V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm² in 15.00 mm pitch

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point, with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- · Central tip test point for test probes on the upper side of the terminal
- Increased derating reserves through the use of WEMID insulating material
- \bullet Wire outlet direction and activation in 90° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm² UL: 600 V / 53 A / AWG 18 - 4



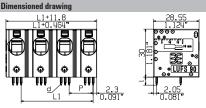
For additional articles and information, refer to eshop.weidmueller.com

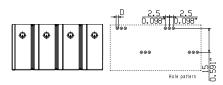
- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

LUFS 15.00/../90V









Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | | |
|----------------------------------------------------------------------|-----------------|--------------|-----------|------|--|
| Clamping range, max. | mm ² | 0.516 | | | |
| Solid core H05(07) V-U | mm² | 0.516 | | | |
| Stranded H07 V-R | mm ² | | 1025 | | |
| Flexible H05(07) V-K | mm ² | | 0.525 | , | |
| Flexible with ferrule | mm ² | | 0.516 | i . | |
| Ferrule with plastic collar | mm ² | | 0.516 | i | |
| Stripping length | mm | | 18 | | |
| Screwdriver blade | mm | (| 0.8 x 4.0 | 0 | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 101 | | 76 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | Ш | III | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 1000 1000 10 | | | |
| Rated impulse voltage | kV | 8 | 8 | 6 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 600 | 600 | 600 | |
| Rated current | Α | 53 | 53 | 5 | |
| AWG conductor | AWG | | 18-4 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 600 | 600 | 600 | |
| Rated current | Α | 53 | 53 | 5 | |
| AWG conductor | AWG | | 18-4 | | |
| General data | | | | | |
| Type of insulation material | | W | emid (P | 'A) | |
| | | V-0 | | | |
| UL 94 flammability rating | | | | | |
| Contact base material | | | Cu-alloy | , | |
| Contact base material Material of contact surface | | | | | |
| Contact base material Material of contact surface Pin dimensions = d | mm | | , Octago | | |
| Contact base material Material of contact surface | mm mm | | | | |

Accessories

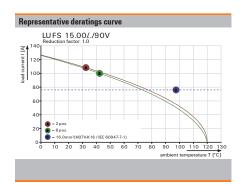
| | | Order No. |
|-----------|------------------|------------|
| (a) | SDIS 0.8X4.0X100 | 2749820000 |
| | SDS 0.8X4.0X100 | 2749360000 |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |

Ordering data

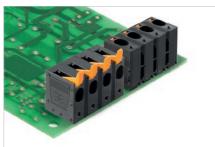
| Solder pin length 5 mm | | | | | | | |
|------------------------|---------|--------|------|------------|--|--|--|
| Colour | | | | black | | | |
| Pitch | 15.00 m | m | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 2 | 15.00 | 0.590 | 40 | 2499440000 | | | |
| 3 | 30.00 | 1.181 | 30 | 2500570000 | | | |
| 4 | 45.00 | 1.772 | 25 | 2500580000 | | | |
| 5 | 60.00 | 2.362 | 20 | 2500590000 | | | |
| 6 | 75.00 | 2.953 | 10 | 2500660000 | | | |
| 7 | 90.00 | 3.543 | 10 | 2500600000 | | | |
| 8 | 105.00 | 4.134 | 10 | 2500610000 | | | |
| | | | | | | | |







LUFS 15.00/../180V



High-performance PCB terminal with PUSH IN connection system for wire cross-sections up to 16 mm² in 15.00 mm pitch

- Fast connection thanks to a pusher for opening the contact point, or direct insertion
- Securely closed contact point: with the "Connection Safety Concept" the conductor is always clamped securely
- Integrated test point for test plug PS 2.0
- . Increased derating reserves through the use of WEMID insulating material
- Wire outlet direction and activation in 180° version

Product data

IEC: 1000 V / 101 A / 0.5 - 25 mm² UL: 600 V / 57 A / AWG 18 - 4



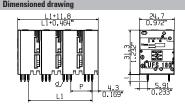
For additional articles and information, refer to eshop.weidmueller.com

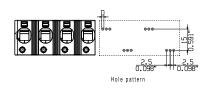
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- . The test point can only be used as potential-pickup point.
- The single-position PCB terminal block can be used for voltages up to 1500 V (DC) and 1000 V (AC). The relevant device standard and the appropriate required clearances and creepage distances should be observed in the application
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

LUFS 15.00/../180V









Technical data

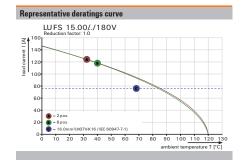
| In compliance with IEC 60664-1 / | IEC 61984 | ļ | | | |
|------------------------------------------------------------------|-----------------|----------------|--------------------------|------|--|
| Clamping range, max. | mm ² | 0.516 | | | |
| Solid core H05(07) V-U | mm² | 0.516 | | | |
| Stranded H07 V-R | mm ² | | 1025 | | |
| Flexible H05(07) V-K | mm ² | | 0.525 | | |
| Flexible with ferrule | mm ² | | 0.516 | | |
| Ferrule with plastic collar | mm ² | | 0.516 | | |
| Stripping length | mm | | 18 | | |
| Screwdriver blade | mm | (| 0.8 x 4.0 | 0 | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 101 | | 94.5 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 1000 | 1000 | 1000 | |
| Rated impulse voltage | kV | 8 | 8 | 6 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 600 | 600 | 600 | |
| Rated current | Α | 57 | 57 | 5 | |
| AWG conductor | AWG | | 18-4 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | 600 | 600 | 600 | |
| Rated current | Α | 57 | 57 | 5 | |
| AWG conductor | AWG | | 18-4 | | |
| General data | | | | | |
| Type of insulation material | | W | emid (P | 'A) | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | | |
| Material of contact surface | | | | | |
| material of contact carries | | 1.2, Octagonal | | | |
| Pin dimensions = d | mm | 1.2 | | onal | |
| Pin dimensions = d Solder eyelet Ø = D Solder eyelet Ø tolerance | mm mm | 1.2 | , Octago 1.7 + 0,1 | onal | |

Accessories

| Screwdriver | | Order No. |
|-------------|------------------|------------|
| M | SDIS 0.8X4.0X100 | 2749820000 |
| | SDS 0.8X4.0X100 | 2749360000 |
| Test plug | | |
| • | PS 2.0 MC | 0310000000 |

Ordering data

| Solder pir | 5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 15.00 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.00 | 0.590 | 40 | 2491820000 |
| 3 | 30.00 | 1.181 | 30 | 2492220000 |
| 4 | 45.00 | 1.772 | 25 | 2492230000 |
| 5 | 60.00 | 2.362 | 20 | 2492240000 |
| 6 | 75.00 | 2.953 | 10 | 2492250000 |
| 7 | 90.00 | 3.543 | 10 | 2492260000 |
| 8 | 105.00 | 4.134 | 10 | 2492270000 |







Weidmüller ₹ N.41 2977770000

N.42 Weidmüller ₹ 2977770000

OMNIMATE® Power **PCB** connectors

| DMNIMATE® Power PCB connectors | OMNIMATE® Power | | |
|-----------------------------------|--------------------------------------------------|-------------------|-------|
| | | Explanation | 0.2 |
| | OMNIMATE® Power Hybrid | | |
| | | Explanation | 0.4 |
| | | Quick selection | 0.8 |
| | | Product selection | 0.10 |
| | OMNIMATE® Power IT | | |
| | | Explanation | 0.54 |
| | | Quick selection | 0.60 |
| | | Product selection | 0.64 |
| | OMNIMATE® Power HP to 2.5 mm ² / 24 A | | |
| | | Explanation | 0.102 |
| | | Quick selection | 0.106 |
| | | Product selection | 0.108 |
| | OMNIMATE® Power HP to 6 mm² / 41 A | | |
| | | Explanation | 0.128 |
| | | Quick selection | 0.138 |
| | | Product selection | 0.140 |
| | OMNIMATE® Power HP 16 mm² / 76 A | | |
| | | Explanation | 0.202 |
| | | Quick selection | 0.208 |
| | | Product selection | 0.210 |

OMNIMATE® Power on **BOARD**

Integrated connection systems delivering innovative drive applications

The OMNIMATE® Power system excels in power electronics and drive applications because it has implemented and incorporated customer and market requirements.

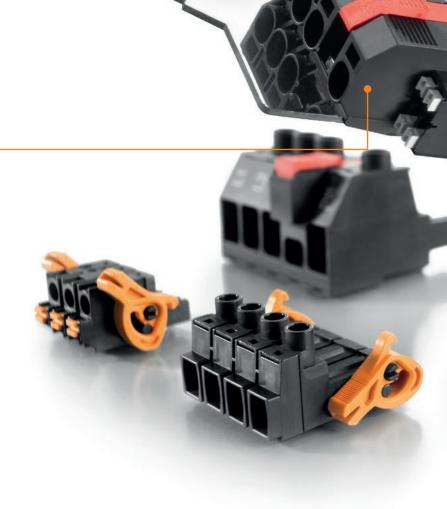
Custom-fit connection solutions for power electronics – resulting from the synergy between application-oriented components, individual services and competent design-in support.

The following pages show why OMNIMATE® Power is the ideal system for power electronics and drive applications. This system has benefited from our broader perspective of component directives and our consistent implementation of requests from the market and customers.

Performance + Innovation

Designed with future requirements in mind whether for cars or servo-drives: hybrid design concepts create an efficient solution from two distinct elements.





Performance + Support

Weidmüller delivers more than just components. Our design-in competence encompassing work from design and implementation to the market release phase delivers the top results.

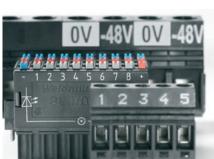




An overview of OMNIMATE® Power

The single-source solution that omits no necessary components a result of Weidmüller's technology and application expertise delivers the optimal designed-in results. The following pages describe the individual product lines in detail.



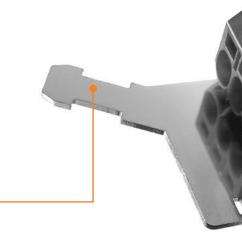


OMNIMATE® Power BV/SV 7.62HP Hybrid – for power, signals and EMC

Three functions in one!

The OMNIMATE® Power Hybrid connector provides developers and users with the perfect three-in-one solution.

The hybrid motor connector can simultaneously connect power, signals and a pluggable EMC shield. This allows you to save space on the circuit board, on the outside of the housing and in the electrical cabinet. The self-locking onehanded interlock mechanism requires only one plugging step and thus speeds up installation and maintenance procedures. It is easy to handle and interlocks automatically - even in difficult installation positions. The unique shielding shape with 30° cable entry enables a space savings of up to 10 cm between rows.



Unique safety

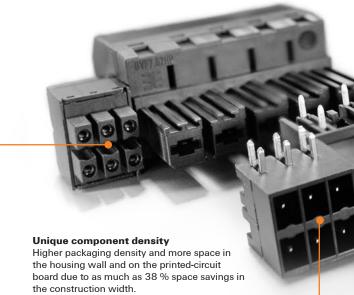
Safe, EMC-compliant shield connection for any application situation and with no risk of error.



Unique integration

Three-in-one solution: pluggable shield support, integrated signal contacts, and one-handed security flange.



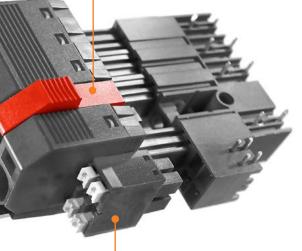


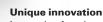


Unique interaction

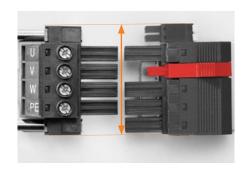
Plug & Work with intuitive handling: featuring tool-free one-handed operation with automatic snap-in and also "blind" plugging of power, signals and shielding simultaneously.







Integrating functions, optimising processes, and reducing complexity: The conventional 2 outer flanges have simply been replaced by 1 middle flange, 4 signal contacts and 1 pluggable shield support.



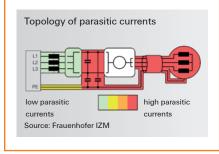
EMC in theory and in the real world

The motor feedback (signal feedback from temperature/encoder) in hybrid, shield-within-shield motor cables is usually made from over-sized power contacts or from disconnected I/O connectors. It also normally requires two separate shield connections. During installation and repairs (replacement), it is possible that the shield terminals could be incorrectly connected, left disconnected or lost. With conventional shielding, it can be quite difficult to tighten the flange screws when the connection is located at a difficult to reach location. So this step is often neglected in the real world.



Reliably avoiding interferences

As a result, malfunctions can then be caused by the coupling of electromagnetic fields within the sensitive electronics. The pluggable, hybrid shield support features a special EMC spring-contact strip which ensures that the shield connection to the housing is permanent, vibration-proof and covers a large surface area. It allows the shielding braid from the power and signal wires to be connected separately – and enables this to be done automatically in one step so that it is not dependent on the user.



OMNIMATE® Power BVF SH

Contact EMC shielding plate for devices with plastic enclosures

For many drive technology devices, reliable contact with the EMC shielding is necessary to avoid EMC-related interference in the system. For devices with a plastic housing in the front area, the shield support is considerably more difficult to contact.

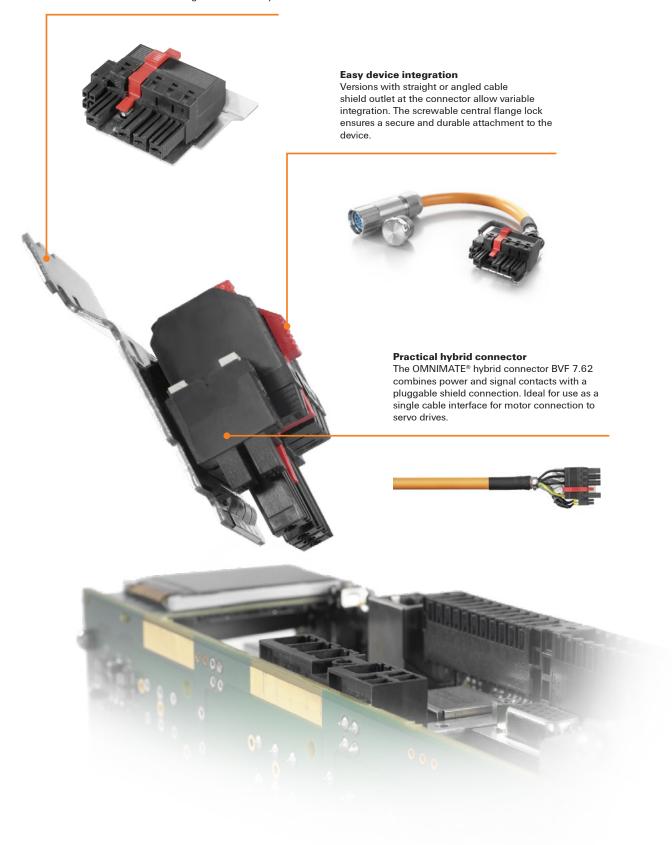
The new OMNIMATE connector BVF 7.62 Hybrid with PUSH IN connection has a pluggable shielding plate with a special EMC spring contact strip. It enables large-area, durable, and vibration-proof shield connection to the device. During the connection process, the connector attaches directly to a contact surface on the PCB. As a result, a reliable EMC cable shielding is implemented for devices with plastic enclosures.

Your special advantages:

- Hybrid connector with PUSH IN connection and pluggable shielding
- Current rating up to 38 A (IEC) / 35 A (UL)
- Pitch 7,62 mm / 3,81 mm
- Shielding contacts directly to a contact surface on the circuit board
- · Secure fixing by central screw block

Avoid EMC problems

The integrated EMC shielding, when plugged in, attaches directly to a contact surface on the circuit board. Complex arrangements for cable screens on the device housing are unnecessary.



http://www.OMNIMATE.net Orientation = Wire-to-Board 135° = Board-to-Board = Wire-to-Wire = Board-to-Wire

| Hybrid pin header | Hybrid pin header |
|-------------------|-------------------|
| Solder connection | Solder connection |





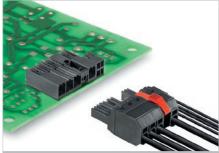
| BV/SV | 7.62 series | | | | | | | |
|----------------------------|-------------|-------------|-----------------|----------------|------------|------------------------------------------------------------------------|------------------------------------|------------------------------------|
| 回線数 | 総部国 | | Туре | | | | SV-SMT & SC 3.81 | SV & SC 3.81 |
| | | Orientation | | | 90° / 270° | 90° / 270° | | |
| | | | | Flange options | | G/MF/MSF | G/MF/MSF | |
| | | | | | | Product code numbers | IEC: 1000V / 41A UL: 300V / 35A | IEC: 1000V / 41A UL: 200V / 35A |
| Hybrid female connector | | | BVF & BC 3.81 | 180° | (G)/MF/MSF | IEC: 1000V / 41A / 0.2 -10mm ² UL: 600V / 35A / AWG 24-8 | • | |
| Hybrid 1 conne | PUSH IN | | BVFL & BC 3.81 | 180° | (G)/MF/MSF | IEC: 1000V / 41A / 0.2 -6mm ² UL: 600V / 35A / AWG 24-8 | · • | • • |
| emale ctor | | | BVF & BC 3.81* | 180° | (G)/MF/MSF | IEC: 1000V / 41A / 0.2 -10mm ² UL: 600V / 35A / AWG 24-8 | · • | · • |
| Hybrid female connector | PUSH IN | | BVFL & BC 3.81* | · 180° | (G)/MF/MSF | IEC: 1000V / 41A / 0.2 -6mm ² UL: 600V / 35A / AWG 24-8 | • • | • |

^{*} pluggable shield support as an accessory or fitted in advance by us

G = Closed (without flange)
MF = Centre flange for clasp

MSF = middle flange with screw and latching hook

SV-SMT/../90 & SC 3.81



Hybrid male header with 90° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant <code>OMNIMATE®</code> Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 33 A



For additional articles and information, refer to eshop.weidmueller.com

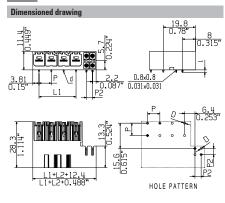
Note:

- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- · Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../90 & SC 3.81







Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | | | |
|-------------------------------------|---------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (|).8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|
| Coding | | Order No. | | | | |
| 20 03 | BV/SV 7.62HP KO | 1937590000 | | | | |
| | | | | | | |
| . , | | | | | | |

Ordering data

| Solde | r pin len | igth | | | | 2.6 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 7.62 | 0.300 | 3.81 | 0.150 | 78 | 2528950000 |
| 2/6 | 7.62 | 0.300 | 7.62 | 0.300 | 66 | 2529030000 |
| 2/8 | 7.62 | 0.300 | 11.43 | 0.450 | 60 | 2529040000 |
| 3/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2529050000 |
| 3/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2529060000 |
| 3/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2529070000 |
| 4/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529080000 |
| 4/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529090000 |
| 4/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529100000 |
| 5/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2529110000 |
| 5/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2529120000 |
| 5/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 2529130000 |
| | | | | | | |

7.62

90°

0.10 Weidmüller ₹ 2977770000

SV-SMT/../90 & SC 3.81 MF



Hybrid male header with 90° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 33 A



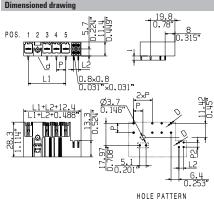
For additional articles and information, refer to eshop.weidmueller.com

- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- · Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV-SMT/../90 & SC 3.81 MF2







Technical data

| recnnical data | | | | |
|-------------------------------------|---------|-----------|----------|------|
| In compliance with IEC 60664-1 / II | C 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | ll l |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 0.8 x 1.0 | | |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|
| Coding | | Order No. | | | | |
| 20 03 | BV/SV 7.62HP KO | 1937590000 | | | | |
| | | | | | | |
| | | | | | | |

Ordering data

| Solder | 2.6 mm | | | | | |
|---------------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitch 7.62 mm | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2529000000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2529720000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2529730000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529740000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529750000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529760000 |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2626800000 |



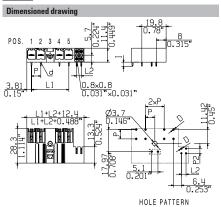
SV-SMT/../90 & SC 3.81 MF3

SV-SMT/../90 & SC 3.81 MF4









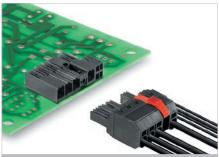
Ordering data

| Solde | 2.6 mm | | | | | |
|---------------|--------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitch 7.62 mm | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529770000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529780000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529790000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2529830000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2529840000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2529850000 |

Ordering data

| Solder | 2.6 mm | | | | | |
|--------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2529800000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2529810000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 2529820000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2529860000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2529870000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2529880000 |

SV-SMT/../90 & SC 3.81 MSF



Hybrid male header with 90° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 33 A



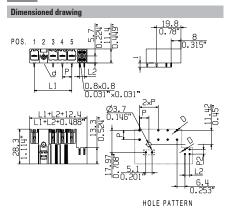
For additional articles and information, refer to eshop.weidmueller.com

- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- · Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV-SMT/../90 & SC 3.81 MSF2







Technical data

| lechnical data | | | | | |
|-------------------------------|---------------|----------|----------|------|--|
| In compliance with IEC 60664- | I / IEC 61984 | ļ. | | | |
| Clamping range, max. | | | | | |
| Solid core H05(07) V-U | | | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | | | | | |
| Flexible with ferrule | | | | | |
| Ferrule with plastic collar | | | | | |
| Stripping length | | | | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 41 | | 41 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 630 | 630 | 1000 | |
| Rated impulse voltage | kV | 6 | 6 | 6 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | 300 | 600 | |
| Rated current | Α | 33 | 33 | 5 | |
| AWG conductor | AWG | | - | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | | | | |
| Rated current | Α | | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | PA 9T | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | tinned | | | |
| Pin dimensions = d | mm | - | D.8 x 1. | 0 | |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|--|--|
| Coding | | Order No. | | | | |
| 20 03 | BV/SV 7.62HP KO | 1937590000 | | | | |
| - | | | | | | |
| . , | | | | | | |

Ordering data

| Solder | 2.6 mm | | | | | |
|--------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2529890000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2529900000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2529910000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529920000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529930000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529940000 |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2626930000 |



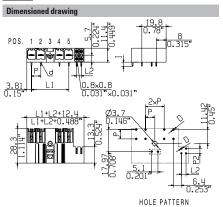
SV-SMT/../90 & SC 3.81 MSF3

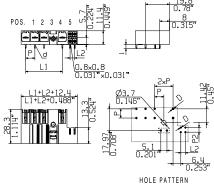
SV-SMT/../90 & SC 3.81 MSF4











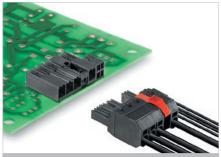
Ordering data

| Solde | 2.6 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitc | h | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529950000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529960000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529970000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2530010000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2530020000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2530030000 |

Ordering data

| Solde | 2.6 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2529980000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2529990000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 2530000000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2530040000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2530050000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2530060000 |

SV-SMT/../270 & SC 3.81



Hybrid male header with 270° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant <code>OMNIMATE®</code> Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 33 A



For additional articles and information, refer to eshop.weidmueller.com

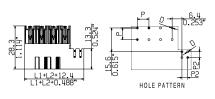
Note:

- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../270 & SC 3.81







Accessories

| Note: Refer to th | ne Accessories chapter for additional acces: | sories. |
|-------------------|----------------------------------------------|------------|
| Coding | | Order No. |
| 20 53 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| - ' | | |
| | | |

Ordering data

| Solde | 2.6 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitc | h | 7.62 m | ım | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 7.62 | 0.300 | 3.81 | 0.150 | 66 | 2528970000 |
| 2/6 | 7.62 | 0.300 | 7.62 | 0.300 | 66 | 2529260000 |
| 2/8 | 7.62 | 0.300 | 11.43 | 0.450 | 60 | 2529270000 |
| 3/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2529280000 |
| 3/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2529290000 |
| 3/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2529300000 |
| 4/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529310000 |
| 4/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529320000 |
| 4/8 | 22.86 | 0.900 | 11.43 | 0.450 | 42 | 2529330000 |
| 5/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2529340000 |
| 5/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2529350000 |
| 5/8 | 30.48 | 1.200 | 11.43 | 0.450 | 36 | 2529360000 |
| | | | | | | |

Technical data

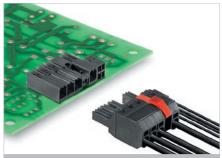
| In compliance with IEC 60664-1 | / IFC 61984 | ı | | |
|--------------------------------|---------------|------|----------|------|
| Clamping range, max. | , 120 0 100 1 | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | D.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |





0.16 Weidmüller ₹ 2977770000

SV-SMT/../270 & SC 3.81 MF



Hybrid male header with 270° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant <code>OMNIMATE®</code> Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 33 A



For additional articles and information, refer to eshop.weidmueller.com

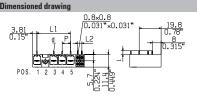
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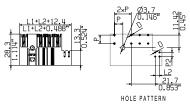
- Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%. 36 months

SV-SMT/../270 & SC 3.81 MF2









Technical data

| lechnical data | | | | |
|-------------------------------|---------------|------|----------|------|
| In compliance with IEC 60664- | 1 / IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (|).8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|--|
| Coding | | Order No. | | | | | |
| 20 03 | BV/SV 7.62HP KO | 1937590000 | | | | | |
| | | | | | | | |
| | | | | | | | |

Ordering data

| Solder | 2.6 mm | | | | | |
|--------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2529010000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2529370000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2529380000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529390000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529400000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529410000 |





.18 Weidmüller № 2977770000

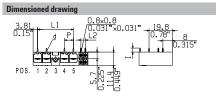
SV-SMT/../270 & SC 3.81 MF3

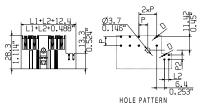
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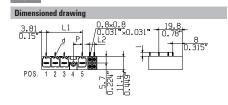


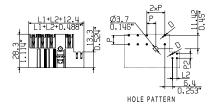












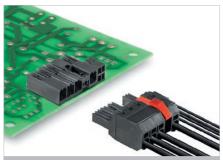
Ordering data

| Solde | r pin len | gth | | | 2.6 mm | |
|-------|-----------|--------|-------|--------|--------|------------|
| Colou | black | | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529420000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529430000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529440000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2529480000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2529490000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2529500000 |

Ordering data

| Solde | 2.6 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2529450000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2529460000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 2529470000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2529510000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2529520000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2529530000 |

SV-SMT/../270 & SC 3.81 MSF



Hybrid male header with 270° outlet direction with power and signal contacts. Fulfils the enhanced requirements for 3 mm of finger safety on 400 V TNC(S) systems in accordance with IEC 61800-5-1 and allows UL approval for 600 V in accordance with UL61800-5-1/ UL840. The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: middle flange and middle screw flange fastening.

The high-temperature-resistant <code>OMNIMATE®</code> Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 33 A



For additional articles and information, refer to eshop.weidmueller.com

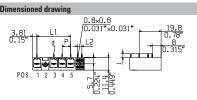
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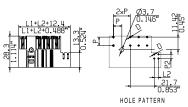
- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT/../270 & SC 3.81 MSF2









Technical data

| recillical data | | | | |
|----------------------------------|-----------|------|----------|------|
| In compliance with IEC 60664-1 / | IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (|).8 x 1. | 0 |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|
| Coding | | Order No. | | | | |
| 20 00 | BV/SV 7.62HP KO | 1937590000 | | | | |
| | | | | | | |
| - ' | | | | | | |

Ordering data

| Solde | 2.6 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2529540000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2529550000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2529560000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529570000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529580000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529590000 |
| | | | | | | |





0.20 Weidmüller № 2977770000

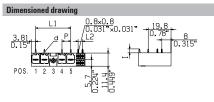
SV-SMT/../270 & SC 3.81 MSF3

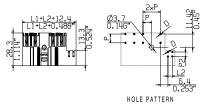
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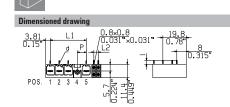


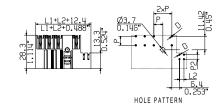












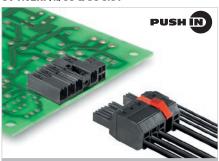
Ordering data

| Solder | 2.6 mm | | | | | |
|--------|--------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2529600000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2529610000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 2529620000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2529660000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2529670000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2529680000 |

Ordering data

| Solde | 2.6 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | r | black | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2529630000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2529640000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 2529650000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2529690000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2529700000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2529710000 |

SV 7.62HP/../90 & SC 3.81



Hybrid male header with 90° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: flange, screw flange, middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A UL: 300 V / 35 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../90 SC/..R





Dimensioned drawing L1 + P1 + O 28.3 1.114* 1.114* 0 0 - L2 + 4.8 0 - L2 + 0.189* 0 0 - L2 + 0.189* 0 0 0.052* 0 0.052* 0 0.78* 0 0.0047*

Technical data

| recillical data | | | | |
|----------------------------------|-----------|------|----------|------|
| In compliance with IEC 60664-1 / | IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|--|
| Coding | | Order No. | | | |
| 20 03 | BV/SV 7.62HP KO | 1937590000 | | | |
| | | | | | |
| . , | | | | | |

Ordering data

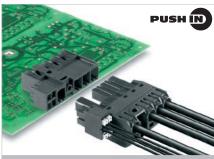
| Solde | | 3.5 mm | | | | |
|-------|-------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 7.62 | 0.300 | 3.81 | 0.150 | 78 | 1089840000 |
| 2/6 | 7.62 | 0.300 | 7.62 | 0.300 | 66 | 1089920000 |
| 2/8 | 7.62 | 0.300 | 11.43 | 0.450 | 60 | 1157040000 |
| 3/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 1090040000 |
| 3/6 | 15.24 | 0.600 | 7.62 | 0.300 | 48 | 1090120000 |
| 3/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 1157050000 |
| 4/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1090280000 |
| 4/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1090360000 |
| 4/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1157380000 |
| 5/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 1090520000 |
| 5/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 1090590000 |
| 5/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 1157080000 |
| | | | | | | |



90°

0.22 Weidmüller ₹ 2977770000

SV 7.62HP/../90 & SC 3.81MF



Hybrid male header with 90° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: flange, screw flange, middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A UL: 300 V / 35 A



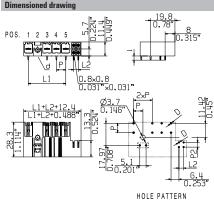
For additional articles and information, refer to eshop.weidmueller.com

- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- \bullet Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../90MF2. SC/..R







Technical data

| lechnical data | | | | | |
|-------------------------------|---------------|-----------|----------|------|--|
| In compliance with IEC 60664- | 1 / IEC 61984 | | | | |
| Clamping range, max. | | | | | |
| Solid core H05(07) V-U | | | | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | | | | | |
| Flexible with ferrule | | | | | |
| Ferrule with plastic collar | | | | | |
| Stripping length | | | | | |
| Screwdriver blade | mm | | | | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 41 | | 41 | |
| At ambient temperature | | 20°C | | 40°0 | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | III | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 630 | 630 | 1000 | |
| Rated impulse voltage | kV | 6 | 6 | 6 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | 300 | 600 | |
| Rated current | Α | 35 | 35 | 5 | |
| AWG conductor | AWG | | - | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | 300 | 600 | |
| Rated current | Α | 33 | 33 | 5 | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | PA GF | | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | 1 | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | 0.8 x 1.0 | | | |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|
| Coding | | Order No. | | | | |
| 22 52 | BV/SV 7.62HP KO | 1937590000 | | | | |
| | | | | | | |
| - ' | | | | | | |

Ordering data

| Solde | 3.5 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 1089370000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 48 | 1089410000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 1156820000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1156230000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1156240000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1156840000 |





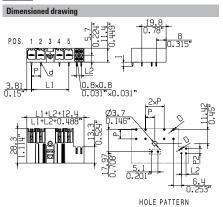
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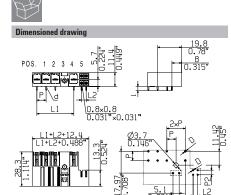
SV 7.62HP/../90MF4. SC/..R











Ordering data

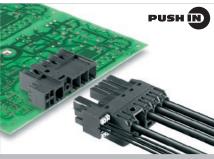
| Solder | 3.5 mm | | | | | |
|--------|--------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1089660000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1089730000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1156850000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 1156910000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 1156930000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 1156950000 |

Ordering data

| Solde | 3.5 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 1090130000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 1090210000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 1156890000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 1090600000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 1090670000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 1156980000 |

HOLE PATTERN

SV 7.62HP/../90 & SC 3.81MSF



Hybrid male header with 90° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: flange, screw flange, middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A UL: 300 V / 35 A



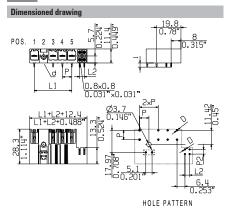
For additional articles and information, refer to eshop.weidmueller.com

- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- \bullet Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../90MSF2. SC/..R







Technical data

| lechnical data | | | | |
|-------------------------------|---------------|------|----------|------|
| In compliance with IEC 60664- | I / IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Coding | | Order No. | | | |
| 20 03 | BV/SV 7.62HP KO | 1937590000 | | | |
| | | | | | |
| | | | | | |

Ordering data

| Solde | r pin ler | igth | | | | 3.5 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 1089510000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 48 | 1089570000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 1156830000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1156250000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1156270000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1156870000 |





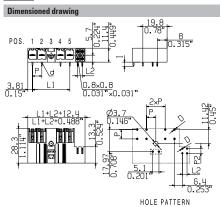
SV 7.62HP/../90MSF3. SC/..R

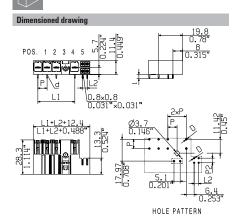
SV 7.62HP/../90MSF4. SC/..R











Ordering data

| Solde | r pin ler | 3.5 mm | | | | |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1089890000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1089970000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1156880000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 1157000000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 1157010000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 1157020000 |

Ordering data

| Solde | Solder pin length | | | | | | | |
|-------|-------------------|--------|-------|--------|------|------------|--|--|
| Colou | black | | | | | | | |
| Pitcl | h | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 1090370000 | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 1090450000 | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 1156900000 | | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 1090830000 | | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 1090900000 | | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 1157030000 | | |

SV 7.62HP/../270 & SC 3.81



Hybrid male header with 270° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A UL: 300 V / 35 A



For additional articles and information, refer to eshop.weidmueller.com

- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../270 SC/..R





Ø 1,2 + 0,1 Ø 0.047"

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | III | ll l |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | - 1 | D.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|--|
| Coding | | Order No. | | | | | |
| 28 58 | BV/SV 7.62HP KO | 1937590000 | | | | | |
| | | | | | | | |
| . , | | | | | | | |

Ordering data

| Solde | r pin ler | ngth | | | | 3.5 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitc | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 7.62 | 0.300 | 3.81 | 0.150 | 78 | 1090770000 |
| 2/6 | 7.62 | 0.300 | 7.62 | 0.300 | 66 | 1090850000 |
| 2/8 | 7.62 | 0.300 | 11.43 | 0.450 | 60 | 1156920000 |
| 3/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 1090950000 |
| 3/6 | 15.24 | 0.600 | 7.62 | 0.300 | 48 | 1091010000 |
| 3/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 1156940000 |
| 4/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1091120000 |
| 4/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1091160000 |
| 4/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1156970000 |
| 5/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 1091240000 |
| 5/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 1091260000 |
| 5/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 1156990000 |
| | | | | | | |





SV 7.62HP/../270 & SC 3.81MF



Hybrid male header with 270° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A UL: 300 V / 35 A



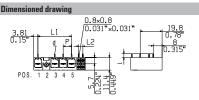
For additional articles and information, refer to eshop.weidmueller.com

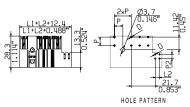
- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../270MF2. SC/..R









Technical data

| lechnical data | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to th | e Accessories chapter for additional access | sories. |
|-------------------|---------------------------------------------|------------|
| Coding | | Order No. |
| 20 00 | BV/SV 7.62HP KO | 1937590000 |
| | | |
| - ' | | |

Ordering data

| Solde | r pin len | gth | | | | 3.5 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 1089260000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 48 | 1089280000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 1156120000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1156140000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1156150000 |
| 3/8 | 22.86 | n ann | 11 43 | 0.450 | 36 | 1156170000 |





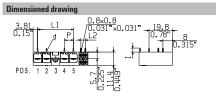
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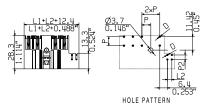
SV 7.62HP/../270MF4. SC/..R



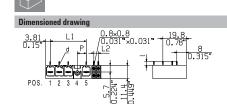


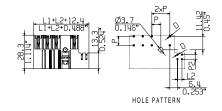












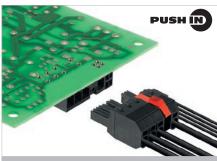
Ordering data

| Solde | r pin len | gth | | | | 3.5 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1089440000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1089490000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1156180000 |
| 5/4 | 30.48 | 1.500 | 3.81 | 0.150 | 30 | 1156300000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 1156310000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 1156320000 |

Ordering data

| Solde | r pin ler | igth | | | | 3.5 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | h | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 0.900 | 3.81 | 0.150 | 36 | 1089820000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 1089910000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 1156280000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 1090300000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 1090380000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 1156340000 |

SV 7.62HP/../270 & SC 3.81MSF



Hybrid male header with 270° outlet direction with power and signal contacts. Meets the enhanced requirements for 3 mm of touch safety for 400 V TNC(S) systems in acc. with IEC 61800-5-1 and comes with UL approval for 600 V in acc. with UL508-5-1 / UL840.

The self-locking middle flange reduces the space requirements by one pitch width compared to conventional solutions.

Variants: middle flange and middle screw flange fastening.

Product data

IEC: 1000 V / 41 A UL: 300 V / 35 A



For additional articles and information, refer to eshop.weidmueller.com

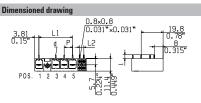
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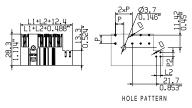
- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Rated current related to rated cross-section & min. No. of poles.
- Specifications of diagram: P1=7.62 mm; P2=3.81 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%. 36 months

SV 7.62HP/../270MSF2. SC/..R









Technical data

| lecillical uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.8 x 1. | 0 |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|--|--|
| Coding | | Order No. | | | | | |
| 20 00 | BV/SV 7.62HP KO | 1937590000 | | | | | |
| | | | | | | | |
| - ' | | | | | | | |

Ordering data

| Solder | 3.5 mm | | | | | |
|--------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | h | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 1089340000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 48 | 1089380000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 1156130000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1156190000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1156200000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1156210000 |





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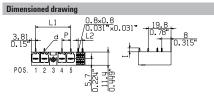
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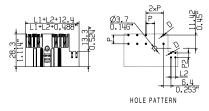
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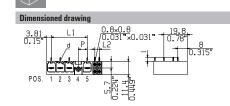


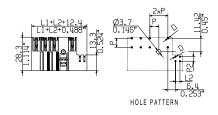












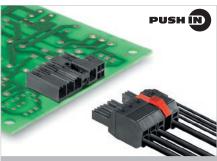
Ordering data

| Solde | r pin len | gth | | | | 3.5 mm |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1089610000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 1089670000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 36 | 1156220000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 1156370000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 1156390000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 1156410000 |

Ordering data

| Solde | 3.5 mm | | | | | |
|-------|--------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 1090060000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 1090140000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 30 | 1156290000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 1090540000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 1090610000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 1156430000 |

BVF 7.62HP/../180 & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Product data

IEC: 1000 V / 38 A / 0.5 - 10 mm² UL: 600 V / 35 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

Note:

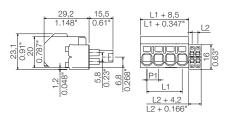
- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180 BCF/..R









Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.510 | |
| Solid core H05(07) V-U | mm ² | | 0.510 |) |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | |
| Flexible with ferrule | mm ² | | 1.510 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 38 | | 34 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | 24-8 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder evelet Ø tolerance | mm | | | |

Accessories

| Coding | | Order No. |
|---------------|-----------------|------------|
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| | | |
| Screwdriver | | |
| | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| 1 | PZ 6/5 | 9011460000 |
| | | |
| | | |

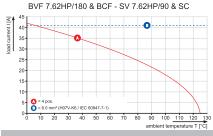
Ordering data

| Solde | r pin len | gth | | | | |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitc | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 7.62 | 0.300 | 3.81 | 0.150 | 65 | 1080550000 |
| 2/6 | 7.62 | 0.300 | 7.62 | 0.300 | 55 | 1080320000 |
| 2/8 | 7.62 | 0.300 | 11.43 | 0.450 | 50 | 1156440000 |
| 3/4 | 15.24 | 0.600 | 3.81 | 0.150 | 50 | 1080490000 |
| 3/6 | 15.24 | 0.600 | 7.62 | 0.300 | 45 | 1080570000 |
| 3/8 | 15.24 | 0.600 | 11.43 | 0.450 | 40 | 1156450000 |
| 4/4 | 22.86 | 0.900 | 3.81 | 0.150 | 40 | 1080510000 |
| 4/6 | 22.86 | 0.900 | 7.62 | 0.300 | 35 | 1080440000 |
| 4/8 | 22.86 | 0.900 | 11.43 | 0.450 | 30 | 1156470000 |
| 5/8 | 30.48 | 1.200 | 11.43 | 0.450 | 25 | 1156480000 |
| | | | | | | |

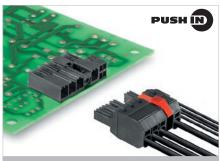




Representative deratings curve



BVF 7.62HP/../180MF & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with

IEC 61800-5-1. The self-fastening middle flange reduces the space requirements by one pole.

The pluggable shield connection establishes a large contact area on the device housing and does not need to be screwed on separately.

Product data

IEC: $1000 \text{ V} / 38 \text{ A} / 0.5 - 10 \text{ mm}^2$ UL: 600 V / 35 A / AWG 24 - 8



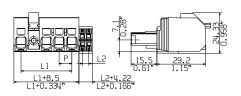
For additional articles and information, refer to eshop.weidmueller.com

- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVF 7.62HP/../180MF2. BCF/..R







Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------|-------------------------------------------------------------------------|---------------------------|
| Clamping range, max. | mm ² | | 0.510 | |
| Solid core H05(07) V-U | mm² | | 0.510 |) |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | |
| Flexible with ferrule | mm ² | | 1.510 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 38 | | 34 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| | | | • | n |
| UL / CUL (Use Group) | | В | C | U |
| UL / CUL (Use Group) Rated voltage | ٧ | 600 | 600 | 600 |
| • • • • • • • • • • • • • • • • • • • • | V A | | | |
| Rated voltage | - | 600 | 600 | 600 |
| Rated voltage Rated current | A | 600 | 600 35 | 600 |
| Rated voltage Rated current AWG conductor | A | 600 35 | 600 35 24-8 | 600 5 |
| Rated voltage Rated current AWG conductor CSA (Use Group) | A AWG | 600 35 B | 600 35 24-8 C | 600 5 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | A AWG | 600 35 B 600 | 600 35 24-8 C 600 | 600 5 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG | 600 35 B 600 | 600 35 24-8 C 600 33 | 600 5 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG | 600 35 B 600 | 600 35 24-8 C 600 33 | 600 5 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | A AWG | 600 35 B 600 | 600 35 24-8 C 600 33 24-8 | 600 5 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG | 600 35 B 600 | 600 35 24-8 C 600 33 24-8 PA GF V-0 Cu-alloy | 600 5 D 600 5 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG | 600 35 B 600 | 600 35 24-8 C 600 33 24-8 PA GF V-0 | 600 5 D 600 5 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG | 600 35 B 600 | 600 35 24-8 C 600 33 24-8 PA GF V-0 Cu-alloy | 600 5 D 600 5 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG | 600 35 B 600 | 600 35 24-8 C 600 33 24-8 PA GF V-0 Cu-alloy | 600 5 D 600 5 |

Accessories

| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Coding | | Order No. |
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |
| Shielding | | |
| | BVF 7.62HP SH150 4-6 KIT | 1118480000 |
| - | BVF 7.62HP SH180 4-6 KIT | 1118470000 |
| | BVF 7.62HP SH210 4-6 KIT | 1118490000 |
| Screwdriver | | |
| P | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| | PZ 6/5 | 9011460000 |
| 20 | | |
| | - | |

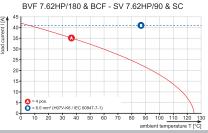
Ordering data

| Solde | r pin leı | ngth | | | | |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitc | h | 7.62 m | ım | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 50 | 1081610000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 45 | 1081030000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 40 | 1157090000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 40 | 1157110000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 35 | 1157120000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 30 | 1157130000 |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 30 | 2628320000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 30 | 2628340000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 25 | 2628350000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2628390000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2628400000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 25 | 2628410000 |
| | | | | | | |





Representative deratings curve



Weidmüller 🏖 0.36 2977770000

BVF 7.62HP/../180MF3. BCF/..R

BVF 7.62HP/../180MF4. BCF/..R



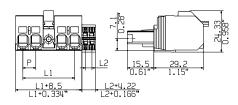


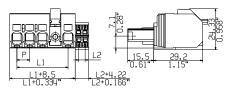












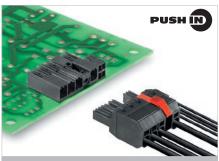
Ordering data

| Solde | r pin ler | ngth . | | | | |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitc | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 40 | 1081630000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 35 | 1081720000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 30 | 1157170000 |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2628450000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 30 | 2628460000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 25 | 2628470000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 25 | 1157220000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 25 | 1157230000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 25 | 1157240000 |

Ordering data

| Solder pin length | | | | | | | |
|-------------------|-------|--------|-------|--------|------|------------|--|
| Colou | black | | | | | | |
| Pitc | h | 7.62 m | m | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 30 | 1081150000 | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 30 | 1082020000 | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 25 | 1157200000 | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 25 | 1082140000 | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 25 | 1081760000 | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 25 | 1157250000 | |
| | | | | | | | |

BVF 7.62HP/../180MSF & BCF 3.81



Hybrid female plug with power and signal contacts with PUSH IN connection system. Allows power, signals and shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with

IEC 61800-5-1. The self-fastening middle flange reduces the space requirements by one pole.

The pluggable shield connection establishes a large contact area on the device housing and does not need to be screwed on separately.

Product data

IEC: 1000 V / 38 A / 0.5 - 10 mm² UL: 600 V / 35 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

Note:

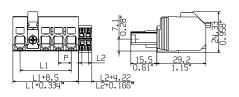
- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- · Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180MSF2. BCF/..R





Nimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.510 | 1 |
| Solid core H05(07) V-U | mm ² | | 0.510 |) |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | 1 |
| Flexible with ferrule | mm ² | | 1.510 | 1 |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 38 | | 34 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | 24-8 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Coding | | Order No. |
|---------------|--------------------------|------------|
| BS 08 | BV/SV 7.62HP KO | 1937590000 |
| * | | |
| * | | |
| Shielding | | |
| | BVF 7.62HP SH150 4-6 KIT | 1118480000 |
| - | BVF 7.62HP SH180 4-6 KIT | 1118470000 |
| 1. | BVF 7.62HP SH210 4-6 KIT | 1118490000 |
| Screwdriver | | |
| N | SDS 0.8X4.5X125 | 2749370000 |
| 1 | | |
| / | | |
| Pressing tool | | |
| 15 | PZ 6/5 | 9011460000 |
| 200 | | |
| | | |

Ordering data

| Solde | r pin ler | igth | | | | |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | r | | | | | black |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 50 | 1081930000 |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 45 | 1082080000 |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 40 | 1157100000 |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 40 | 1157440000 |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 35 | 1157450000 |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 30 | 1157470000 |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2628510000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2628520000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 25 | 2628530000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 30 | 2628570000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2628580000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 25 | 2628590000 |
| | | | | | | |

\$\$\$ HYBRID 7.62/3.81



Representative deratings curve BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC 4 pos. 25 pos. 6 pos. 6

0.38 Weidmüller ₹ 2977770000

BVF 7.62HP/../180MSF3. BCF/..R

BVF 7.62HP/../180MSF4. BCF/..R



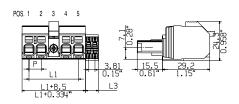


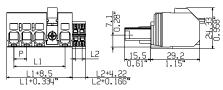






Dimensioned drawin





Ordering data

| Solde | Solder pin length | | | | | | | | | | | |
|-------|-------------------|--------|-------|--------|------|------------|--|--|--|--|--|--|
| Colou | Colour | | | | | | | | | | | |
| Pitcl | Pitch 7.62 mm | | | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | | | |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 40 | 1082110000 | | | | | | |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 35 | 1081730000 | | | | | | |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 30 | 1157190000 | | | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 36 | 2628630000 | | | | | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 30 | 2628640000 | | | | | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 25 | 2628650000 | | | | | | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 25 | 1157270000 | | | | | | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 25 | 1157280000 | | | | | | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 25 | 1157290000 | | | | | | |

Ordering data

| Solder pin length | | | | | | | | | | |
|-------------------|-------|--------|-------|--------|------|------------|--|--|--|--|
| Colou | black | | | | | | | | | |
| Pitc | | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 30 | 1081660000 | | | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 30 | 1081750000 | | | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 25 | 1157210000 | | | | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 25 | 1080940000 | | | | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 25 | 1080720000 | | | | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 25 | 1157300000 | | | | |
| | | | | | | | | | | |

BVF 7.62HP/../180 BCF 3.81 SH



Hybrid female connector with power and signal contacts with PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 800 V / 38 A / 0.5 - 10 mm² UL: / AWG 24 - 8



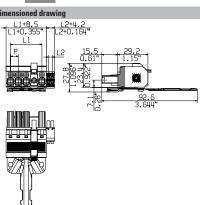
For additional articles and information, refer to eshop.weidmueller.com

- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVF 7.62HP/../180MF BCF SH180







Accessories

| Coding | | Order No. |
|---------------|--------------------|------------|
| 20 755 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |
| Pressing tool | | |
| | PZ 6/5 | 9011460000 |
| 20 | | |
| • | | |
| Screwdriver | | |
| P | SDS 0.6X3.5X100 | 2749340000 |
| | | |
| / | | |
| Marking tags | | |
| | SCT 4.6/127 C | 1699800000 |
| _ | WSM TOOL AUTOMATIK | 1774470000 |
| = | | |

Ordering data

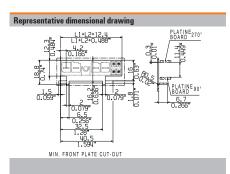
| Solder | pin leng | th | | | | | | |
|--------|---------------|--------|------|--------|------|------------|--|--|
| Colour | | | | | | black | | |
| Pitch | Pitch 7.62 mm | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 20 | 2681760000 | | |

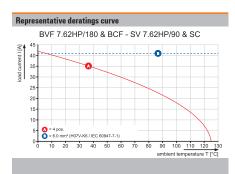
Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | | |
|--------------------------------|-----------------|----------|----------|------|--|
| Clamping range, max. | mm ² | | 0.510 | 1 | |
| Solid core H05(07) V-U | mm ² | 0.510 | | | |
| Stranded H07 V-R | | | 10 | | |
| Flexible H05(07) V-K | mm ² | | 0.510 | 1 | |
| Flexible with ferrule | mm ² | | 1.510 | 1 | |
| Ferrule with plastic collar | mm ² | | 1.56 | | |
| Stripping length | mm | | 12 | | |
| Screwdriver blade | mm | (| 0.6 x 3. | 5 | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 38 | | 34 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | mm ² | | 6 | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 630 | 630 | 800 | |
| Rated impulse voltage | kV | 6 | 6 | 6 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | | | | | |
| Rated current | | | | | |
| AWG conductor | AWG | | 24-8 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | | | | | |
| Rated current | | | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | PA GF | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet $\emptyset = D$ | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |







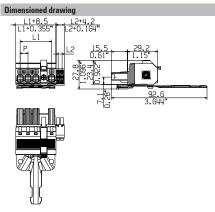


N

BVF 7.62HP/../180MSF BCF SH180





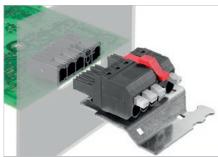


Ordering data

| Solder pin length | | | | | | | | | | |
|-------------------|---------------|--------|------|--------|------|------------|--|--|--|--|
| Colour | black | | | | | | | | | |
| Pitch | Pitch 7.62 mm | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 20 | 2681780000 | | | | |

0

BVF 7.62HP/../180 BCF 3.81 SP



Hybrid female connector with power and signal contacts with PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

The pluggable shield connection has a wide contact area on the PCB and does not need to be bolted.

Product data

IEC: 800 V / 38 A / 0.5 - 10 mm² UL: / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

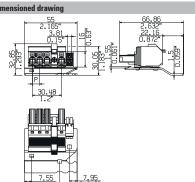
Note:

- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVF 7.62HP/../180MSF BCF SP90







Ordering data

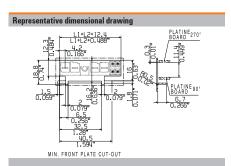
| Solder pin length | | | | | | | | | | |
|-------------------|-------|--------|------|--------|------|------------|--|--|--|--|
| Colour | black | | | | | | | | | |
| Pitch | | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 24 | 2614040000 | | | | |
| | | | | | | | | | | |

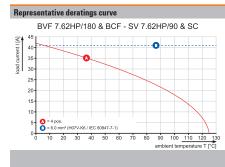
Technical data

| In compliance with IEC 60664-1 / IEC 61984 | | | | | | | | | |
|--------------------------------------------|-----------------|----------|----------|------|--|--|--|--|--|
| Clamping range, max. | mm ² | | 0.510 |) | | | | | |
| Solid core H05(07) V-U | mm ² | 2 0.510 | | | | | | | |
| Stranded H07 V-R | | | 10 | | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.510 |) | | | | | |
| Flexible with ferrule | mm ² | | 1.510 |) | | | | | |
| Ferrule with plastic collar | mm ² | | 1.56 | | | | | | |
| Stripping length | mm | | 12 | | | | | | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 | | | | | |
| According to norm | | | | | | | | | |
| Tightening torque range | | | | | | | | | |
| Rated current, max. | Α | 38 | | 34 | | | | | |
| At ambient temperature | | 20°C | | 40°C | | | | | |
| For conductor cross-section | mm ² | | 6 | | | | | | |
| Overvoltage category | | III | Ш | II | | | | | |
| Pollution severity | | 3 | 2 | 2 | | | | | |
| Rated voltage | V | 630 | 630 | 800 | | | | | |
| Rated impulse voltage | kV | 6 6 6 | | | | | | | |
| UL / CUL (Use Group) | | В | C | D | | | | | |
| Rated voltage | | | | | | | | | |
| Rated current | | | | | | | | | |
| AWG conductor | AWG | | 24-8 | | | | | | |
| CSA (Use Group) | | В | C | D | | | | | |
| Rated voltage | | | | | | | | | |
| Rated current | | | | | | | | | |
| AWG conductor | AWG | | - | | | | | | |
| General data | | | | | | | | | |
| Type of insulation material | | | PA GF | | | | | | |
| UL 94 flammability rating V-0 | | | | | | | | | |
| Contact base material | | Cu-alloy | | | | | | | |
| Material of contact surface | | tinned | | | | | | | |
| Pin dimensions = d | mm | | | | | | | | |
| Solder eyelet $\emptyset = D$ | | | | | | | | | |
| Solder eyelet Ø tolerance | mm | | | | | | | | |
| | | | | | | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|--------------------------------------------------------------------|--------------------|------------|--|--|--|
| Coding | Order No. | | | | |
| E2 08 | BV/SV 7.62HP KO | 1937590000 | | | |
| - | | | | | |
| 55/4 N | | | | | |
| Pressing tool | | | | | |
| | PZ 6/5 | 9011460000 | | | |
| 20 | | | | | |
| | | | | | |
| Screwdriver | | | | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 | | | |
| - | | | | | |
| / | | | | | |
| Marking tags | | | | | |
| | SCT 4.6/127 C | 1699800000 | | | |
| | WSM TOOL AUTOMATIK | 1774470000 | | | |
| | | | | | |









0.42 Weidmüller ₹ 2977770000

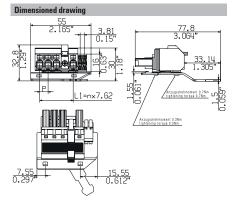
BVF 7.62HP/../180MSF BCF SP180

BVF 7.62HP/../180MSF BCF SP210



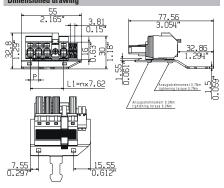
BVF 7.62HP/../180MSF BCF SP150





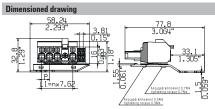


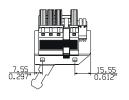












Ordering data

| | J | | | | | |
|--------|----------|--------|------|--------|------|------------|
| Solder | pin leng | th | | | | |
| Colour | | | | | | black |
| Pitch | 1 7 | .62 mr | n | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 14 | 2669590000 |

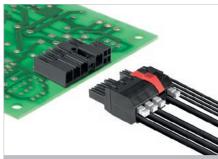
Ordering data

| Solder pin length | | | | | | | | | | |
|-------------------|---------------|--------|------|--------|------|------------|--|--|--|--|
| Colour black | | | | | | | | | | |
| Pitch | Pitch 7.62 mm | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 14 | 2633380000 | | | | |

Ordering data

| Solder | | | | | | |
|--------|-------|--------|------|--------|------|------------|
| Colour | black | | | | | |
| Pitch | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 14 | 2669610000 |

BVFL 7.62HP/../180 BCF 3.81



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Product data

IEC: 1000 V / 38 A / 0.5 - 6 mm² UL: 600 V / 35 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

Note:

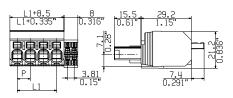
- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180 BCF 3.81





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | | | | | | |
|--------------------------------|-----------------|------|-----------|------|--|--|--|--|--|
| Clamping range, max. | mm ² | | 0.56 | | | | | | |
| Solid core H05(07) V-U | mm² | | 0.56 | | | | | | |
| Stranded H07 V-R | | | | | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | | | | | | |
| Flexible with ferrule | mm ² | | 0.56 | | | | | | |
| Ferrule with plastic collar | mm ² | | 0.56 | | | | | | |
| Stripping length | mm | | 12 | | | | | | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 | | | | | |
| According to norm | | | | | | | | | |
| Tightening torque range | | | | | | | | | |
| Rated current, max. | Α | 38 | | 34 | | | | | |
| At ambient temperature | | 20°C | | 40°C | | | | | |
| For conductor cross-section | mm ² | | 6 | | | | | | |
| Overvoltage category | | III | III | Ш | | | | | |
| Pollution severity | | 3 | 2 | 2 | | | | | |
| Rated voltage | V | 800 | 1000 | 1000 | | | | | |
| Rated impulse voltage | kV | 8 | 8 | 6 | | | | | |
| UL / CUL (Use Group) | | В | С | D | | | | | |
| Rated voltage | V | 600 | 600 | 600 | | | | | |
| Rated current | Α | 35 | 35 | 5 | | | | | |
| AWG conductor | AWG | | 24-8 | | | | | | |
| CSA (Use Group) | | В | C | D | | | | | |
| Rated voltage | V | | | | | | | | |
| Rated current | Α | | | | | | | | |
| AWG conductor | AWG | | | | | | | | |
| General data | | | | | | | | | |
| Type of insulation material | | | PA GF | | | | | | |
| UL 94 flammability rating | | | V-0 | | | | | | |
| Contact base material | | | Cu-alloy | | | | | | |
| Material of contact surface | | | tinned | | | | | | |
| Pin dimensions = d | mm | | | | | | | | |
| Solder eyelet Ø = D | | | | | | | | | |
| Solder eyelet Ø tolerance | mm | | | | | | | | |
| • | | | | | | | | | |

Accessories

| Coding | | Order No. |
|---------------|-----------------|------------|
| 20 00 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| | | |
| Screwdriver | | |
| | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| | PZ 6/5 | 9011460000 |
| 20 | | |
| | | |

Ordering data

| Solder pin length | | | | | | | | | | | |
|-------------------|-------|--------|-------|--------|------|------------|--|--|--|--|--|
| Colou | black | | | | | | | | | | |
| Pitcl | | | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | | |
| 2/4 | 7.62 | 0.300 | 3.81 | 0.150 | 72 | 2549310000 | | | | | |
| 3/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2549400000 | | | | | |
| 3/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2549410000 | | | | | |
| 3/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2549420000 | | | | | |
| 4/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 1547560000 | | | | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 42 | 2549430000 | | | | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 42 | 2549440000 | | | | | |
| 5/4 | 30.48 | 1.200 | 3.81 | 0.150 | 42 | 2549450000 | | | | | |
| | | | | | | | | | | | |





BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC

Representative deratings curve

0.44 Weidmüller № 2977770000

BVFL 7.62HP/../180 BCF 3.81 SH



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 800 V / 0.5 - 6 mm² UL: / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

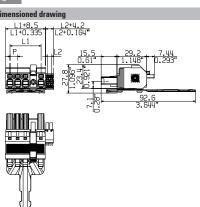
Note:

- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180 BCF 3.81 MF SH







Ordering data

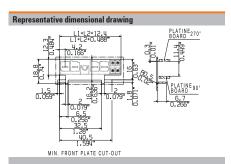
| Solder | Solder pin length | | | | | | | | | | | |
|--------|-------------------|--------|------|--------|------|------------|--|--|--|--|--|--|
| Colou | black | | | | | | | | | | | |
| Pitch | Pitch 7.62 mm | | | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 20 | 2427960000 | | | | | | |

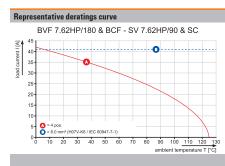
Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | | |
|--------------------------------|-----------------|----------|----------|------|--|
| Clamping range, max. | | | | | |
| Solid core HO5(07) V-U | mm² | | 0.56 | | |
| Stranded H07 V-R | | 5.55 | | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | | |
| Flexible with ferrule | mm ² | | 0.56 | | |
| Ferrule with plastic collar | | | | | |
| Stripping length | mm | | 12 | | |
| Screwdriver blade | mm | - 1 | D.6 x 3. | 5 | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | | | 34 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | | | | | |
| Overvoltage category | | III | Ш | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 630 | 630 | 800 | |
| Rated impulse voltage | kV | 6 | 6 | 6 | |
| UL / CUL (Use Group) | | В | C | D | |
| Rated voltage | | | | | |
| Rated current | | | | | |
| AWG conductor | AWG | | 24-8 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | | | | | |
| Rated current | | | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | PA GF | | |
| UL 94 flammability rating | | V-0 | | | |
| Contact base material | | Cu-alloy | | | |
| Material of contact surface | | tinned | | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet $\emptyset = D$ | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | | |
|---------------------------------------------------------------------------|--------------------|------------|--|--|--|--|
| Coding | | Order No. | | | | |
| 20 NS | BV/SV 7.62HP KO | 1937590000 | | | | |
| - | | | | | | |
| • | | | | | | |
| Pressing tool | | | | | | |
| | PZ 6/5 | 9011460000 | | | | |
| 20 | | | | | | |
| | | | | | | |
| Screwdriver | | | | | | |
| 1 | SDS 0.6X3.5X100 | 2749340000 | | | | |
| | | | | | | |
| / | | | | | | |
| Marking tags | | | | | | |
| | SCT 4.6/127 C | 1699800000 | | | | |
| _ | WSM TOOL AUTOMATIK | 1774470000 | | | | |
| _ | | | | | | |
| | | | | | | |









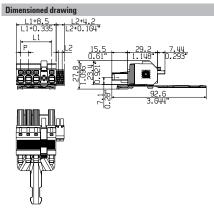
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n

BVFL 7.62HP/../180 BCF 3.81 MSF SH



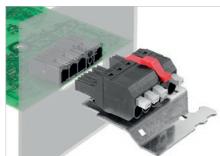




Ordering data

| Solder pin length | | | | | | | | | | | |
|-------------------|-------|--------|------|--------|------|------------|--|--|--|--|--|
| Colour | black | | | | | | | | | | |
| Pitch | ո 7 | | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 20 | 2681770000 | | | | | |

BVFL 7.62HP/../180 BCF 3.81 SP



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 800 V / 38 A / 0.5 - 6 mm² UL: / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

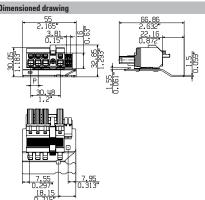
- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180MSF4 BCF SP 90





Ordering data



| Solder | Solder pin length | | | | | | | | | | |
|--------|-------------------|--------|------|--------|------|------------|--|--|--|--|--|
| Colour | black | | | | | | | | | | |
| Pitch | Pitch 7.62 mm | | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 24 | 2633400000 | | | | | |

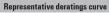
Technical data

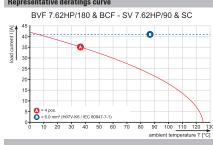
| recillical data | | 1 | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | | 0.56 | |
| Solid core H05(07) V-U | mm ² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | - 1 | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 38 | | 34 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 800 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | | | | |
| Rated current | | | | |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | | | | |
| Rated current | | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories

Representative dimensional drawing PLATINE_{270°} BOARD MIN. FRONT PLATE CUT-OUT









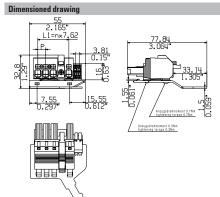
BVFL 7.62HP/../180MSF4 BCF SP 150

BVFL 7.62HP/../180MSF4 BCF SP 180

BVFL 7.62HP/../180MSF4 BCF SP 210

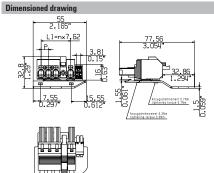






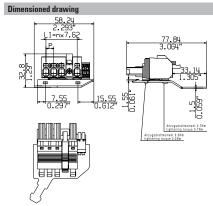












Ordering data

| | • | | | | | |
|--------|---------------|--------|------|--------|------|------------|
| Solder | | | | | | |
| Colour | black | | | | | |
| Pitch | Pitch 7.62 mm | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30 48 | 1 200 | 3.81 | 0.150 | 24 | 2669600000 |

Ordering data

| Solder pin length | | | | | | | | | | | | |
|-------------------|-------|--------|------|--------|------|------------|--|--|--|--|--|--|
| Colour | | black | | | | | | | | | | |
| Pitch 7.62 mm | | | | | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 24 | 2633390000 | | | | | | |

Ordering data

| Solder | Solder pin length | | | | | | | | | |
|--------|-------------------|--------|------|--------|------|------------|--|--|--|--|
| Colour | | | | | | black | | | | |
| Pitch | 1 7 | .62 mr | n | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 14 | 2669620000 | | | | |

BVFL 7.62HP/../180 BCF 3.81 MF



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

Product data

IEC: 1000 V / 38 A / 0.5 - 6 mm² UL: 600 V / 35 A / AWG 24 - 8



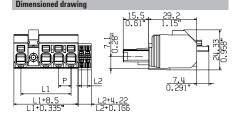
For additional articles and information, refer to eshop.weidmueller.com

- . Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- · Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180 BCF 3.81 MF2







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | | 0.56 | |
| Solid core H05(07) V-U | mm ² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 38 | | 34 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| · · | | | | |

Accessories

| Coding | | Order No. |
|---------------|--------------------------|------------|
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| | | |
| Shielding | | |
| | BVF 7.62HP SH150 4-6 KIT | 1118480000 |
| - | BVF 7.62HP SH180 4-6 KIT | 1118470000 |
| 1. | BVF 7.62HP SH210 4-6 KIT | 1118490000 |
| Pressing tool | | |
| 19 | PZ 6/5 | 9011460000 |
| 20 | | |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| 1 | SDS 0.8X4.5X125 | |
| / | | |

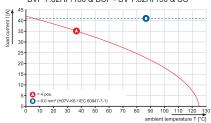
Ordering data

| Solde | Solder pin length | | | | | | | | | |
|-------|-------------------|--------|-------|--------|------|------------|--|--|--|--|
| Colou | r | | black | | | | | | | |
| Pitcl | h | 7.62 m | m | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2549320000 | | | | |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2628330000 | | | | |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2628690000 | | | | |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2628720000 | | | | |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2628730000 | | | | |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 42 | 2628740000 | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 42 | 2628780000 | | | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2628790000 | | | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 36 | 2628800000 | | | | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 36 | 2628840000 | | | | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2628850000 | | | | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2628860000 | | | | |
| | | | | | | | | | | |



BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC

Representative deratings curve



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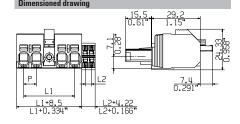
BVFL 7.62HP/../180 BCF 3.81 MF3

BVFL 7.62HP/../180 BCF 3.81 MF4



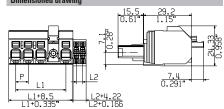












Ordering data

| Solder pin length | | | | | | | | | | |
|-------------------|--------|--------|-------|--------|------|------------|--|--|--|--|
| Colou | Colour | | | | | | | | | |
| Pitcl | h | 7.62 m | m | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2549460000 | | | | |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2549470000 | | | | |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 42 | 2549480000 | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 42 | 2628900000 | | | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2628910000 | | | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 36 | 2628920000 | | | | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 36 | 2628960000 | | | | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2628970000 | | | | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2628980000 | | | | |

Ordering data

| Solder pin length | | | | | | | | | |
|-------------------|---------------|--------|-------|--------|------|------------|--|--|--|
| Colou | black | | | | | | | | |
| Pitcl | Pitch 7.62 mm | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 32 | 1547590000 | | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2549490000 | | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 36 | 2549500000 | | | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 36 | 2549510000 | | | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2549520000 | | | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2549530000 | | | |
| | | | | | | | | | |

0

BVFL 7.62HP/../180 BCF 3.81 MSF



Hybrid female connector with power and signal contacts and adjustable actuator (pusher) featuring PUSH IN spring connection technology. Enables simultaneous connection of power, signals and shielding. Ideal for connecting servo and asynchronous drives. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement guarantees more than 3 mm of touch-safety in accordance with IEC 61800-5-1. The snap-on middle flange decreases the space required by one pitch width.

Product data

IEC: 1000 V / 38 A / 0.5 - 6 mm² UL: 600 V / 35 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

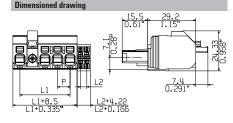
Note:

- · Technical specifications refer to the power contacts
- Technical data of signal contacts: 50V / 5A, stripping length 8mm
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVFL 7.62HP/../180 BCF 3.81 MSF2







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.56 | |
| Solid core H05(07) V-U | mm ² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 38 | | 34 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| · · | | | | |

Accessories

| Coding | | Order No. |
|---------------|--------------------------|------------|
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| | | |
| Shielding | | |
| | BVF 7.62HP SH150 4-6 KIT | 1118480000 |
| - | BVF 7.62HP SH180 4-6 KIT | 1118470000 |
| 1. | BVF 7.62HP SH210 4-6 KIT | 1118490000 |
| Pressing tool | | |
| 19 | PZ 6/5 | 9011460000 |
| 20 | | |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| 1 | SDS 0.8X4.5X125 | |
| / | | |

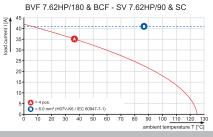
Ordering data

| | J | | | | | | | | | |
|-------------------|--------|--------|-------|--------|------|------------|--|--|--|--|
| Solder pin length | | | | | | | | | | |
| Colou | Colour | | | | | | | | | |
| Pitc | h | 7.62 m | m | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | |
| 2/4 | 15.24 | 0.600 | 3.81 | 0.150 | 60 | 2549330000 | | | | |
| 2/6 | 15.24 | 0.600 | 7.62 | 0.300 | 54 | 2629020000 | | | | |
| 2/8 | 15.24 | 0.600 | 11.43 | 0.450 | 48 | 2629030000 | | | | |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2629060000 | | | | |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2629070000 | | | | |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 42 | 2629080000 | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 42 | 2629120000 | | | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2629130000 | | | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 36 | 2629140000 | | | | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 36 | 2629180000 | | | | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2629190000 | | | | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2629200000 | | | | |
| | | | | | | | | | | |

\$\$\$ HYBRID 7.62/3.81



Representative deratings curve



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BVFL 7.62HP/../180 BCF 3.81 MSF3

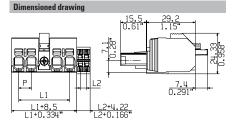
BVFL 7.62HP/../180 BCF 3.81 MSF4

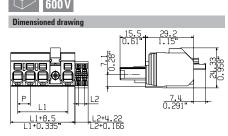












Ordering data

| Solde | Solder pin length | | | | | | | | | | |
|-------|-------------------|--------|-------|--------|------|------------|--|--|--|--|--|
| Colou | r | black | | | | | | | | | |
| Pitc | h | 7.62 m | m | | | | | | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. | | | | | |
| 3/4 | 22.86 | 0.900 | 3.81 | 0.150 | 48 | 2549540000 | | | | | |
| 3/6 | 22.86 | 0.900 | 7.62 | 0.300 | 42 | 2549550000 | | | | | |
| 3/8 | 22.86 | 0.900 | 11.43 | 0.450 | 42 | 2549560000 | | | | | |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 42 | 2629240000 | | | | | |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2629250000 | | | | | |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 36 | 2629260000 | | | | | |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 36 | 2629300000 | | | | | |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2629310000 | | | | | |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2629320000 | | | | | |

Ordering data

| Solde | r pin ler | | | | | |
|-------|-----------|--------|-------|--------|------|------------|
| Colou | black | | | | | |
| Pitcl | h | 7.62 m | m | | | |
| Poles | L1 | (inch) | L2 | (inch) | Qty. | Order No. |
| 4/4 | 30.48 | 1.200 | 3.81 | 0.150 | 42 | 1547600000 |
| 4/6 | 30.48 | 1.200 | 7.62 | 0.300 | 36 | 2549570000 |
| 4/8 | 30.48 | 1.200 | 11.43 | 0.450 | 36 | 2549580000 |
| 5/4 | 38.10 | 1.500 | 3.81 | 0.150 | 36 | 2549590000 |
| 5/6 | 38.10 | 1.500 | 7.62 | 0.300 | 30 | 2549600000 |
| 5/8 | 38.10 | 1.500 | 11.43 | 0.450 | 30 | 2549610000 |
| | | | | | | |

OMNIMATE® Power for IT systems - scalable from 25 A to 76 A

Custom-fit solutions for special requirements

Increased compliance with standards and fewer compromises: OMNIMATE® Power for IT systems establishes a new level of excellence with its standard integrated details. These attributes streamline the design-in and approval processes and result in safer operations.

Results for the application and advantages for the user: unlimited use in 400-V IT systems and touch safety according to IEC 61800-5-1 (+ 5 mm). The self-snapping one-handed safety flange enables intuitive and safe usage. Operational reliability is guaranteed by the automatic interlock feature during the plug-in process. The application-oriented design means that no compromises are necessary during the approval process.

Uncompromised scalability

As much power as required, as little cost as needed: a device series for every power level and power type: scalable from 25 A/2.5 mm² to 41 A/6 mm² to 76 A/16 mm².



IEC 61800-5-1 approval

No additional measures or compromises in the system suitable, touch-safe certification according to IEC 61800-5-1:

- + 3.0 mm for 400 V TN systems,
- + 5.5 mm for 400 V IT networks.



Uncompromised power capabilities

Uncompromised means high power reserves for superior overload capacity even under the high ambient temperatures of real-world applications.



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Uncompromised safety

Details such as insulated contact tips that ensure the pin header is touch-safe and automatic snap-in for a secure interlocking connection



Finger safety according to DIN EN 61800-5-1

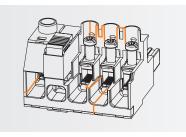
Since the end of 2007, device approval according to IEC Directive "Adjustable speed electrical power drive systems -Part 5-1: Safety requirements" requires that - regardless of the line-to-earth voltage - an additional finger safety interval exists (for example, + 3 mm for 400 V-TN systems (wire-to-earth voltage = 230 V), or \pm 5.5 mm for 400-V IT systems (wire-to-earth voltage up to 400 V in event of error). An additional cover is required if the connection system, as a device section, does not fulfil these requirements. The OMNIMATE® Power HP product line already complies with the stricter IEC requirements for additional touch protection.



IEC 61800-5-1:2007

Clearance and creepage distances, acc. to UL

A 600-V connector must have the approval of the UL 1059 component directive but the potential installation situations must first be taken into consideration. This allows you to avoid making approval compromises - such as UL 508C or incorporating complex additions such as coatings or protective hoods. The OMNIMATE® Power HP product line already complies with the UL requirements for 600-V creepage and clearance distances.

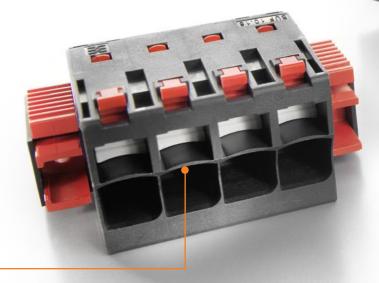




Secure and efficient connection of power electronics devices PUSH IN connector with wire-ready function

High power applications necessitate connection by wires with huge cross sections, which are typically inflexible. Large PUSH IN connections are therefore difficult to plug in. Special tools are often needed for installation in narrow areas or for wiring with flexible wires without ferrules.

BUF 10.16 facilitates and accelerates this process and does not require additional tools. The operating lever which can be locked in the open position (pusher) makes it possible to insert conductors with short cladding or rigid insulation into the open terminal. This means that the proven PUSH IN function remains unrestricted while the terminal point, fixed in an open position, allows a comfortable and easy connection under difficult conditions. The result is a noticeable saving of time.



Easy installation

PUSH IN technology with open position fixed clamping point for easy wiring of flexible wires without ferrules and wires with rigid insulation.



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Easy one hand operation

Automatic locking by a centre flange with detent fixing and optional screw fixing.



Fast wiring

The PUSH IN connection system allows tool-free connection of solid wires or wires with ferrules.

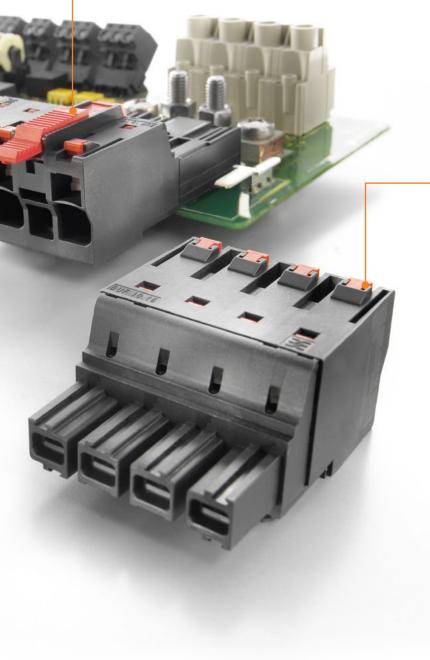


Your special advantages

- PUSH IN-technology with open position fixed clamping point
- Tool-free wiring of flexible wires without ferrules and wires with rigid insulation
- Easy one-hand operation of the connector
- Automatic locking by a centre flange with detent fixing and optional screw fixing



Webcode: #11407



Contact protection and EMC shielding for power electronics OMNIMATE® Power connectors with a pluggable shielding plate

For power electronics devices, and in particular for drive technology, the device outputs generally need touch protection. Thereby, the contacting of the EMC shield support must be ensured, e.g. on servo drives or frequency inverters. For devices with a plastic housing in the front area, the shield support is considerably more difficult to contact.

Our new OMNIMATE® power connectors and pin headers feature a pluggable shield support with special EMC spring contact strip. This enables the large-area, permanent and vibration-proof shield connection to the device housing. Thanks to finger safety on both sides of the male and female connectors, this solution is also suitable for applications with reverse voltage.

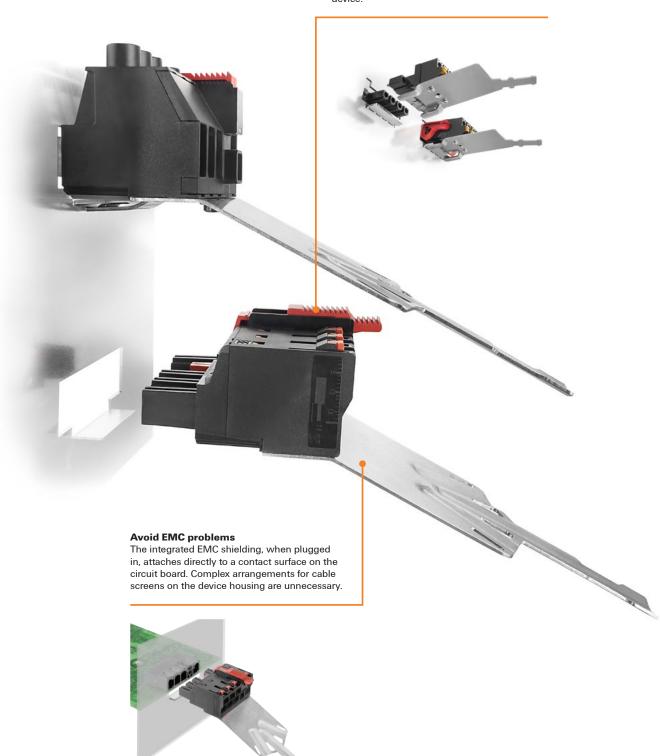
Your special advantages:

- Contact of the EMC shielding to the metal housing of the device directly when plugging in
- Reliable locking with screw flange or central flange locking
- Variable cable shielding outlet directions for easy device integration and adaptation to various housing formats

Weidmüller ₹ 2977770000

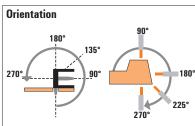
Easy device integration

Versions with straight or angled cable shield outlet at the connector allow variable integration. The screwable central flange lock ensures a secure and durable attachment to the device.



http://www.OMNIMATE.net









For IT networks

| For IT networks | | | | | | | | | | | |
|------------------------------------------|-------------|------------------|--------------------|----------------|--------------------------------------------------------------------------|-----|--------------------------------------------------------------------------|-----------------------------------|-----------------------------------|--|--|
| | والعداة | 場合の同 | | Туре | | | | SL | SL | | |
| | | | | ' | Orientation | | | 90° | 90° | | |
| 100 mg 1 m | | | ' | Flange options | | MF2 | MF3 | | | | |
| í | | | | | | 1 | Product code numbers | IEC: 630 V/24 A UL: 300 V/20 A | IEC: 630 V/24 A UL: 300 V/20 A | | |
| | | Screw | | BLZ | 180° | MF2 | IEC: 630 V/24 A/0.08 - 4 mm ² UL: 600 V/20 A/AWG 28 - 12 | • | | | |
| | | Clamping yoke | | BLZ | 180° | MF3 | IEC: 630 V/24 A/0.08 - 4 mm ² UL: 600 V/20 A/AWG 28 - 12 | | | | |
| | | | | BLZ | 180° | MF4 | IEC: 630 V/24 A/0.08 - 4 mm ² UL: 600 V/20 A/AWG 28 - 12 | | | | |
| | | | BVZ 180° BVZ 180° | BVZ | 180° | MF2 | IEC: 1.000 V/41 A/0.2 - 6 mm ² UL: 600 V/40.5 A/AWG 24 - 8 | | | | |
| | | | | MF3 | IEC: 1.000 V/41 A/0.2 - 6 mm ² UL: 600 V/40.5 A/AWG 24 - 8 | | | | | | |
| | Female plug | | | BVZ | 180° | MF4 | IEC: 1.000 V/41 A/0.2 - 6 mm ² UL: 600 V/40.5 A/AWG 24 - 8 | | | | |
| | Fema | | | BUZ | 180° | MF2 | IEC: 1.000 V/76 A/0.2 - 16 mm ² UL: 600 V/60 A/AWG 22 - 4 | | | | |
| | | | BUZ 180° 1 | MF3 | IEC: 1.000 V/76 A/0.2 - 16 mm ² UL: 600 V/60 A/AWG 22 - 4 | | | | | | |
| | | | | BUZ | 180° | MF4 | IEC: 1.000 V/76 A/0.2 - 16 mm ² UL: 600 V/60 A/AWG 22 - 4 | | | | |
| | | | | BUZ SH | 180° | MF2 | IEC: 1.000 V/76 A/0,2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4 | | | | |
| | | | | BUZ SH | 180° | MF3 | IEC: 1.000 V/76 A/0,2 - 16 mm ² UL: 600 V/60 A/AWG 22 - 4 | | | | |

IEC: 1.000 V/76 A/0,2 - 16 mm²

UL: 600 V/60 A/AWG 22 - 4

 $\mathbf{MF2}$ = Centre snap flange at position 2

BUZ SH 180°

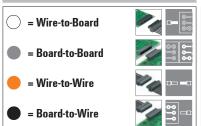
MF3 = Centre snap flange at position 3

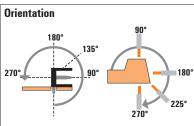
MF4 = Centre snap flange at position 4

0.60 Weidmüller № 2977770000

Male header **Solder connection** Pitch 7.62 mm Pitch 10.16 mm SV SU SU SU SL SV 90° 90° / 270° 90° / 270° 90° / 270° 90° / 270° 90° / 270° 90° / 270° MF4 MF2 MF3 MF4 MF2 MF3 MF4 IEC: 630 V/24 A IEC: 1.000 V/41 A IEC: 1.000 V/76 A IEC: 1.000 V/76 A IEC: 1.000 V/41 A IEC: 1.000 V/41 A IEC: 1.000 V/76 A UL: 300 V/20 A UL: 300 V/35 A UL: 300 V/35 A UL: 300 V/35 A UL: 300 V/54 A UL: 300 V/54 A UL: 300 V/54 A

http://www.OMNIMATE.net









For IT networks

| LOL 11 | networks | | | | | | _ | | |
|-------------|-------------------|----|-------|----------|-------------|-------------------------------------------------------------------------|-----------------------------------|-----------------------------------|--|
| i an ∠an l | 高級性的 面 | Ту | уре | | | | SL | SL | |
| | | , | | Orientat | ion | | 90° | 90° | |
| | | | | | Flange opti | ions | MF2 | MF3 | |
| | | | | | 1 | Product code numbers | IEC: 630 V/24 A UL: 300 V/20 A | IEC: 630 V/24 A UL: 300 V/20 A | |
| | Spring PUSH IN | ВІ | UF | 180° | MF2 | IEC: 1.000 V/76 A/0.2 - 16 mm ² UL: 600 V/55 A/AWG 22 - 6 | | | |
| | | BI | UF | 180° | MF3 | IEC: 1.000 V/76 A/0.2 - 16 mm² UL: 600 V/55 A/AWG 22 - 6 | | | |
| e plug | | BI | UF | 180° | MF4 | IEC: 1.000 V/76 A/0.2 - 16 mm ² UL: 600 V/55 A/AWG 22 - 6 | | | |
| Female plug | | BI | UF SH | 180° | MF2 | IEC: 1.000 V/76 A/0,2 - 16 mm ² UL: 600 V/55 A/AWG 22 - 6 | | | |
| | | BI | UF SH | 180° | MF3 | IEC: 1.000 V/76 A/0,2 - 16 mm ² UL: 600 V/55 A/AWG 22 - 6 | | | |
| | | BI | UF SH | 180° | MF4 | IEC: 1.000 V/76 A/0,2 - 16 mm² UL: 600 V/55 A/AWG 22 - 6 | | | |

MF2 = Centre snap flange at position 2

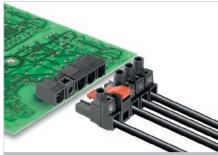
 $\mathbf{MF3}$ = Centre snap flange at position 3

MF4 = Centre snap flange at position 4

0.62 Weidmüller ₹ 2977770000

Male header **Solder connection** Pitch 7.62 mm Pitch 10.16 mm SV SU SU SU SL SV 90° 90° / 270° 90° / 270° 90° / 270° 90° / 270° 90° / 270° 90° / 270° MF4 MF2 MF3 MF4 MF2 MF3 MF4 IEC: 630 V/24 A IEC: 1.000 V/41 A IEC: 1.000 V/76 A IEC: 1.000 V/76 A IEC: 1.000 V/41 A IEC: 1.000 V/41 A IEC: 1.000 V/76 A UL: 300 V/20 A UL: 300 V/35 A UL: 300 V/35 A UL: 300 V/35 A UL: 300 V/54 A UL: 300 V/54 A UL: 300 V/54 A

SL 7.62IT/../90MF



Male header available with 90° outlet direction and an optional solder flange attachment for IT power networks. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In conjuction with the female plug BLZ 7.62 IT, meets the enhanced requirements for 5.5 mm touch-safety for IT power networks in acc. withIEC 61800-5-1 for 400 V relative to earth. When no female plug is present, the mating profile ensures that at least >1 mm of finger safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 630 V / 29 A UL: 300 V / 20 A



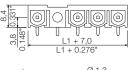
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

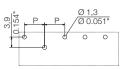
SL 7.62IT/../90MF2











Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 29 | | 25 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Coding | | Order No. | | | |
| se littlegi | BLZ/SL KO OR BX | 1573010000 | | | |
| | BLZ/SL KO BK BX | 1545710000 | | | |
| - | | | | | |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 84 | 1173610000 |
| 3 | 22.86 | 0.900 | 60 | 1173640000 |
| 4 | 30.48 | 1.200 | 48 | 1173730000 |
| 5 | 38.10 | 1.500 | 36 | 2629360000 |
| 6 | 45.72 | 1.800 | 30 | 2629480000 |



Weidmüller 🏖 2977770000

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SL 7.62IT/../90MF3

SL 7.62IT/../90MF4



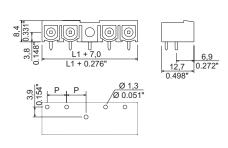


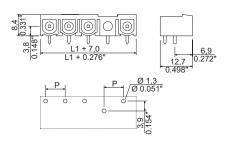


Dimensioned drawing



Dimensioned drawing





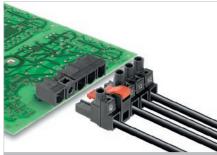
Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|----------------|--------|----------|--------------------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 60 | 1173690000 |
| | | | | |
| 4 | 30.48 | 1.200 | 48 | 2629490000 |
| 5 | 30.48 38.10 | 1.200 | 48 36 | 2629490000 1398820000 |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 48 | 1173770000 |
| 5 | 38.10 | 1.500 | 36 | 1398830000 |
| 6 | 45.72 | 1.800 | 30 | 2629500000 |

BLZ 7.62IT/../180MF



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading contact in conjunction with the male header SL 7.62 IT. Meets the enhanced requirements for 5.5 mm touchsafety for IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth.

The self-snapping middle flange, which is optionally available

with an additional fastening screw, decreases the space required by one pitch width compared to other standard solutions.

Optionally available without middle flange interlock

Product data

IEC: 630 V / 29 A / 0.08 - 4 mm² UL: 600 V / 20 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

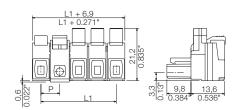
- Additional variants on request
- · Gold-plated contact surfaces on request
- \bullet Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- · Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZ 7.62IT/../180MF2





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | | 0.084 | |
| Solid core H05(07) V-U | mm² | | 0.084 | 1 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.084 | |
| Flexible with ferrule | mm ² | | 0.22.5 | , |
| Ferrule with plastic collar | mm ² | | 0.22.5 | , |
| Stripping length | mm | | 7 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 |
| According to norm | | 1 | DIN 526 | 4 |
| Tightening torque range | Nm | | 0.40.5 | 5 |
| Rated current, max. | Α | 29 | | 25 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder evelet Ø tolerance | | | | |

Accessories

| Coding | | Order No. |
|---------------|-------------------------------------|--------------------------|
| 89 (10)(92) | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| | | |
| Screwdriver | | |
| Screwdriver | SDS 0.6X3.5X100 | 2749340000 |
| Screwdriver - | SDS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749340000 2749810000 |

Ordering data

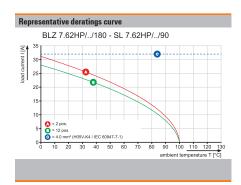
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 70 | 1173490000 |
| 3 | 22.86 | 0.900 | 50 | 1173500000 |
| 4 | 30.48 | 1.200 | 40 | 1173520000 |
| 5 | 38.10 | 1.500 | 50 | 2629690000 |
| 6 | 45.72 | 1.800 | 50 | 2629740000 |











Weidmüller ₹ 2977770000

BLZ 7.62IT/../180MF3

BLZ 7.62IT/../180MF4



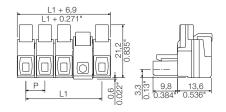










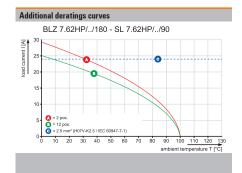


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 50 | 1173510000 |
| 4 | 30.48 | 1.200 | 40 | 2629750000 |
| т | 00.70 | 1.200 | 40 | 2029/30000 |
| 5 | 38.10 | 1.500 | 30 | 1398880000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 40 | 1173530000 |
| 5 | 38.10 | 1.500 | 30 | 1398890000 |
| 6 | 45.72 | 1.800 | 25 | 1398910000 |



SV-SMT 7.62IT/../90MF



Male header with 90° outlet direction with optional solder flange attachment and leading PE contact for IT networks. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BVZ 7.62IT meets the enhanced requirements for 5.5 mm of touch safety for IT networks in acc. with IEC61800-5-1 for 400 V relative to earth. If no female plug is present, the mating profile still ensures that at least $> 1\ mm$ of finger safety is present with a finger pressure of 20 N.

Variants: flange, screw flange and middle flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Technical data

| lechnical data | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 300 |
| Rated current | Α | 40.5 | 40.5 | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | - 1 | D.8 x 1. | 0 |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Product data

IEC: 1000 V / 41 A UL: 300 V / 40.5 A



For additional articles and information, refer to eshop.weidmueller.com

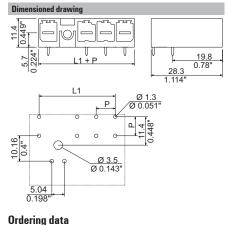
Note:

- Additional variants on request
- \bullet Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT 7.62IT/../90MF2 Box







| ١ | Solder p | in length | | | 2.6 mm |
|---|----------|-----------|--------|------|------------|
| | Colour | | | | black |
| | Pitch | 7.62 mm | | | |
| | Pol. | L1 | (inch) | Qty. | Order No. |
| | 2 | 15.24 | 0.600 | 50 | 2499530000 |
| | 3 | 22.86 | 0.900 | 50 | 2499720000 |
| | 4 | 30.48 | 1.200 | 48 | 2499740000 |
| | 5 | 38.10 | 1.800 | 50 | 2499760000 |

Accessories

| Coding | | Order No. |
|--------|-----------------|------------|
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| , | | |

°|(†) **7.62**

0.68 Weidmüller ₹ 2977770000

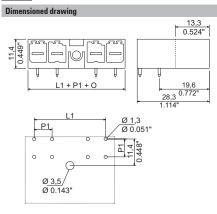
SV-SMT 7.62IT/../90MF3 Box

SV-SMT 7.62IT/../90MF4 Box













| Dimensioned drawing |
|--------------------------------------------------------------|
| |
| L1+P V 19.8 28.3 0.78" 1.114" |
| Ø 1.3 Ø 0.051"\P_ |
| 1.16 1.16 1.16 1.16 1.16 1.16 1.16 1.16 |
| Ø 0.143" Ø 3.5 Ø 143" |
| 5.04 0.198" |

Ordering data

| Solder pir | 2.6 mm | | | |
|------------|---------|-----------------|-------------------|----------------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. | 22.86 | (inch) 0.900 | Qty. 50 | Order No. 2499730000 |
| | | | | |

Ordering data

| Solder pin | length | | | 2.6 mm |
|-----------------|---------|-----------------|-------------------|-------------------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. 4 | 30.48 | (inch) 1.200 | Qty. 48 | Order No. 2454110000 |
| Pol. 4 5 | | | | |

n

SV 7.62IT/../90MF



Male header with 90° outlet direction with optional solder flange attachment and leading PE contact for IT power networks. Enables UL approval for $600\ V$ in accordance with UL61800-5-1 / UL840. In combination with the female plug BVZ 7.62 IT meets the enhanced requirements for 5.5 mm of touch safety for IT power networks in acc. with IEC 61800-5-1 for $400\ V$ relative to earth. Even when no female plug is present, the mating profile ensures that at least >1 mm of touch safety is present with a finger pressure of $20\ N$.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Technical data

| In compliance with IEC 60664-1 / | IFC 6198/ | ı | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------|------------------------------------------------|------|
| Clamping range, max. | 120 0 130 | | | |
| Solid core H05(07) V-U | | | | |
| Stranded HO7 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| | | | | |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | A AWG | 35 | 35 - | 5 |
| AWG conductor General data | | 35 | | 5 |
| AWG conductor General data Type of insulation material | | 35 | PA GF | 5 |
| AWG conductor General data Type of insulation material UL 94 flammability rating | | | PA GF V-0 | |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | | | PA GF V-0 Cu-alloy | , |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | | | PA GF V-O Cu-alloy tinned | , |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | | | PA GF V-O Cu-alloy tinned D.8 x 1. | , |
| AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | AWG | | PA GF V-O Cu-alloy tinned | , |

Product data

IEC: 1000 V / 41 A UL: 300 V / 40.5 A



For additional articles and information, refer to eshop.weidmueller.com

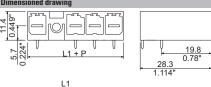
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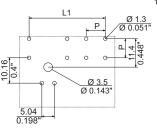
- Additional variants on request
- \bullet Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, DMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62IT/../90MF2









Ordering data

| Solder pin | 3.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 78 | 1156540000 |
| 3 | 22.86 | 0.900 | 60 | 1156550000 |
| 4 | 30.48 | 1.200 | 48 | 1156580000 |
| | | | | |

Accessories

| Coding | | Order No. |
|--------|-----------------|------------|
| 20 000 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |

°|(\$ **7.62**

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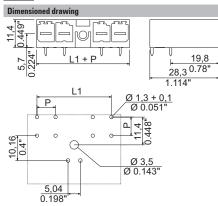
SV 7.62IT/../90MF3

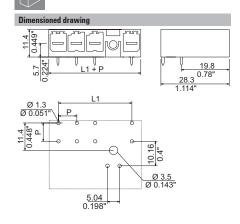
SV 7.62IT/../90MF4











Ordering data

| Solder pin | 3.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | n gnn | 60 | 1156570000 |

Ordering data

| Solder pin | 3.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 48 | 1156590000 |

N

SV 7.62IT/../270MF



Male header with 270° outlet direction with a leading PE contact for IT power networks. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BVZ 7.62 IT meets the enhanced requirements for 5.5 mm of touch safety for IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. Even when no female plug is present, the mating profile ensures that at least >1 mm of touch safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 1000 V / 41 A UL: 300 V / 40.5 A



For additional articles and information, refer to eshop.weidmueller.com

Note

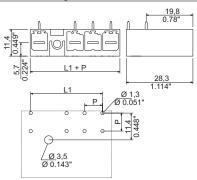
- Additional variants on request
- \bullet Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, DMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62IT/../270MF2





Dimensioned drawin



Technical data

| Toominour dutu | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | - 1 | D.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|---------|-----------------|------------|
| 200 750 | BV/SV 7.62HP KO | 1937590000 |
| | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|---------------|----------|-----------------|----------------|-------------------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. 2 | 15.24 | (inch) 0.600 | Qty. 78 | Order No. 1156490000 |
| | | | | |





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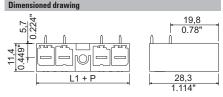
SV 7.62IT/../270MF3

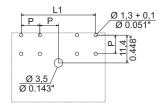
SV 7.62IT/../270MF4



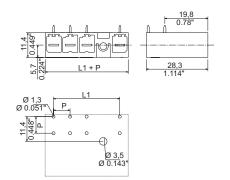












Ordering data

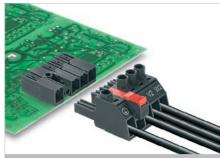
| Solder pin | 3.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 60 | 1156510000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 48 | 1156530000 |

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BVZ 7.62IT/../180MF



Female plug for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SV 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety for IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth.

The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

Optionally available without middle flange interlock.

Product data

IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 40.5 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

Note:

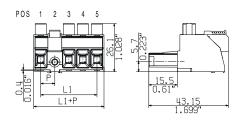
- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVZ 7.62IT/../180MF2





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | ļ | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------|-----------------------------------------------------------|----------------|
| Clamping range, max. | mm ² | | 0.210 | |
| Solid core H05(07) V-U | mm ² | | 0.26 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.510 | |
| Flexible with ferrule | mm ² | | 0.256 | |
| Ferrule with plastic collar | mm ² | | 0.256 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | 1 | 0.6 x 3.9 | 5 |
| According to norm | | | | |
| Tightening torque range | Nm | | 0.50.6 | 3 |
| Rated current, max. | | 57 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| | • | | | |
| Rated current | A | 40.5 | 40.5 | 5 |
| Rated current AWG conductor | - | 40.5 | 40.5 24-8 | 5 |
| Rated current AWG conductor CSA (Use Group) | A | В | 24-8 C | 5 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage | A | | 24-8 | D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG V A | В | 24-8 C 600 40.5 | D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG | B 600 | 24-8 C | D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG V A | B 600 | 24-8 C 600 40.5 | D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG V A | B 600 | 24-8 C 600 40.5 | D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG V A | B 600 | 24-8 C 600 40.5 24-8 | D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG V A | B 600 | 24-8 C 600 40.5 24-8 PA GF V-0 Cu-alloy | D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A | B 600 | 24-8 C 600 40.5 24-8 PA GF V-0 | D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG V A | B 600 | 24-8 C 600 40.5 24-8 PA GF V-0 Cu-alloy | D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG | B 600 | 24-8 C 600 40.5 24-8 PA GF V-0 Cu-alloy | D 600 5 |

Accessories

| Coding | | Order No. |
|---------------|-----------------------|------------|
| 20 155 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |
| Strain relief | | |
| | BV/SV 7.62HP/02 ZE GR | 1937550000 |
| 1 | BV/SV 7.62HP/04 ZE GR | 1937560000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 |
| 1 | SDK PH1 X 80 | 2749410000 |
| / | | |

Ordering data

| Solder pin length | | | | | |
|-------------------|-------------|-----------------|----------------|-------------------------|--|
| Colour | | | | black | |
| Pitch | 7.62 mm | | | | |
| | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| Pol. | L1 15.24 | (inch) 0.600 | Qty. 52 | Order No. 1156710000 | |
| | | | | | |

°|(!) **7.62**







Representative deratings curve

BVZ 7.62HP/../180 - SV 7.62HP/../90

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BVZ 7.62IT/../180MF3

BVZ 7.62IT/../180MF4

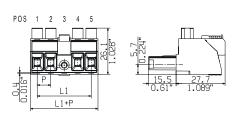


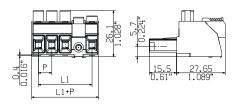










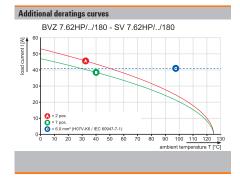


Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 40 | 1156730000 |
| 4 | 30.48 | 1.200 | 32 | 1312730000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 32 | 1156750000 |



SU 10.16IT/../90MF



Male header with 90° outlet direction and optional solder flange with leading PE contact. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BUZ 10.16 IT meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. Even when no female plug is present, the mating profile ensures that at least >1 mm of touch safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Technical data

| recillical data | | | | |
|--------------------------------|-------------|------|-----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | lver-plat | |
| Pin dimensions = d | mm | | 1.2 x 1. | 1 |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Product data

IEC: 1000 V / 78.3 A UL: 300 V / 60 A



For additional articles and information, refer to eshop.weidmueller.com

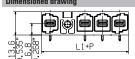
Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the heard
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

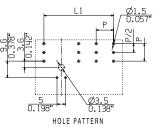
SU 10.16IT/../90MF2











Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 20.32 | 0.800 | 60 | 1156650000 |
| 3 | 30.48 | 1.200 | 42 | 1156670000 |
| 4 | 40.64 | 1.600 | 36 | 1156690000 |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------------|------------|--|--|
| Coding | | Order No. | | |
| 20 03 | KO BU/SU10.16HP BK | 1824410000 | | |
| - | KO BU/SU10.16HP WT | 2592600000 | | |
| • | | | | |
| Mounting screw | 1 | | | |
| | SU 10.16 BFSC P 35X 14 | 2812340000 | | |
| | SU 10.16 BFSC S 35X12 | 2812290000 | | |
| | | | | |



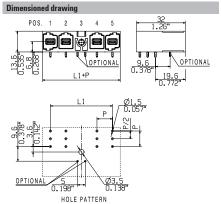
SU 10.16IT/../90MF3

SU 10.16IT/../90MF4







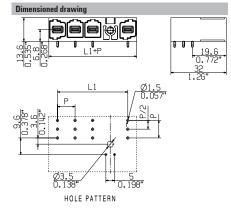


Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30 48 | 1 200 | 42 | 1156680000 |



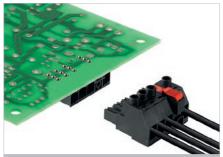




Ordering data

| Solder pir | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 36 | 1156700000 |

SU 10.16IT/../270MF



Male header with 270° outlet direction with leading PE contact. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. In combination with the female plug BUZ 10.16 IT meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. Even when no female plug is present, the mating profile ensures that at least >1 mm of touch safety is present with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width compared to other standard solutions.

Available on request with screw flange mounting block or without flange.

Product data

IEC: 1000 V / 78.3 A UL: 300 V / 60 A



For additional articles and information, refer to eshop.weidmueller.com

Note

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch

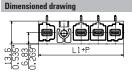
Accessories

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the heard
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

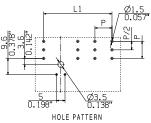
SU 10.16IT/../270MF2











| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------------|------------|--|--|
| Coding | | Order No. | | |
| 22 52 | KO BU/SU10.16HP BK | 1824410000 | | |
| - | KO BU/SU10.16HP WT | 2592600000 | | |
| | | | | |
| Mounting screv | V | | | |
| | SU 10.16 BFSC P 35X 14 | 2812340000 | | |
| | SU 10.16 BFSC S 35X12 | 2812290000 | | |
| | | | | |

Ordering data

| Solder pin | 3.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 20.32 | 0.800 | 60 | 1157310000 |
| 3 | 30.48 | 1.200 | 42 | 1157320000 |
| 4 | 40.64 | 1.600 | 36 | 1157340000 |
| | | | | |

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|-----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | si | lver-plat | ed |
| Pin dimensions = d | mm | | 1.2 x 1. | 1 |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |





.**78 Weidmüller №** 2977770000

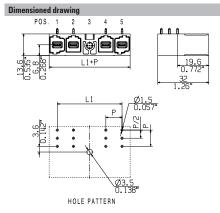
SU 10.16IT/../270MF3

SU 10.16IT/../270MF4

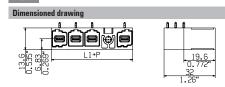


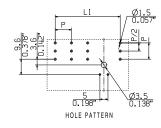












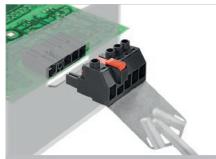
Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 42 | 1157330000 |
| 4 | 20.32 | 0.800 | 36 | 2630190000 |

Ordering data

| Solder p | 3.5 mm | | | |
|----------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 36 | 1157350000 |

BUZ 10.16IT/../180MF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm² UL: 600 V / 60 A / AWG 22 - 4



For additional articles and information, refer to eshop.weidmueller.com

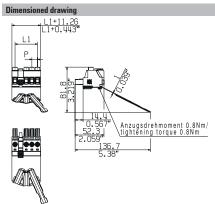
Note:

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MF2 SH160







Ordering data

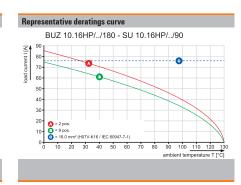
| Solder pin | length | | | |
|---------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| n . | 1.4 | /: I \ | 04 | Ol N |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. 3 | 30.48 | 1.200 | 20 | 2627330000 |
| | | | | |

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
|--------------------------------|-----------------|-------|----------|------|
| Clamping range, max. | mm ² | | 0.216 | |
| Solid core H05(07) V-U | mm ² | 0.216 | | |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | |
| Flexible with ferrule | mm ² | (| 0.251 | 6 |
| Ferrule with plastic collar | mm ² | (| 0.251 | 6 |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | Nm | | 1.22 | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | Ш | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | si | ver-plat | ed |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Coding | | Order No. |
|----------------|--------------------|-----------|
| 20 03 | KO BU/SU10.16HP BK | 182441000 |
| - | KO BU/SU10.16HP WT | 259260000 |
| • | | |
| Screwdriver | | |
| M | SDIS 1.0X5.5X125 | 274985000 |
| - | | |
| | | |
| Crosshead scre | wdriver | |
| 0 | SDIK PZ2 X 100 | 274993000 |
| 1 | SDK PZ2 X 100 | 274945000 |
| / | | |





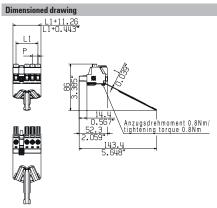




BUZ 10.16IT/../180MF2 SH180 BUZ 10.16IT/../180MF2 SH200









| Dimensioned drawing | |
|---------------------------------------------------------------------------------------------------|---------|
| L1+11.26 L1+0.443" 0.567" Anzugsdrehmoment 0.8N 52.3, 1 lightening torque 0.8N 5.378" | 3 N m / |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 20 | 2627380000 |
| 4 | 40.64 | 1.600 | 20 | 2627390000 |

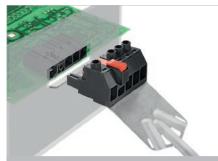
Ordering data

| Solder pin | length | | | |
|------------|-------------|-----------------|----------------|-------------------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. | L1 30.48 | (inch) 1.200 | Qty. 20 | Order No. 2627430000 |
| | L1 | | | |



n

BUZ 10.16IT/../180MF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm² UL: 600 V / 60 A / AWG 22 - 4



For additional articles and information, refer to eshop.weidmueller.com

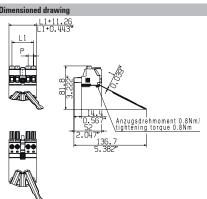
Note:

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MF3 SH160







Accessories

| Coding | | Order No. |
|----------------|--------------------|-----------|
| 20 00 | KO BU/SU10.16HP BK | 182441000 |
| - | KO BU/SU10.16HP WT | 259260000 |
| • | | |
| Screwdriver | | |
| M | SDIS 1.0X5.5X125 | 274985000 |
| - | | |
| | | |
| Crosshead scre | wdriver | |
| 0 | SDIK PZ2 X 100 | 274993000 |
| 1 | SDK PZ2 X 100 | 274945000 |
| / | | |

Ordering data

| Solder p | oin length | | | |
|----------|------------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 | mm | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 20 | 2627350000 |
| 4 | 40.64 | 1.600 | 20 | 2627360000 |

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.216 | |
| Solid core HO5(07) V-U | mm ² | | 0.216 | i |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | |
| Flexible with ferrule | mm ² | (| 0.251 | 6 |
| Ferrule with plastic collar | mm ² | (| 0.251 | 6 |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | Nm | | 1.22 | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | sil | ver-plat | ed |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| 0 11 1 44 1 | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Representative dimensional drawing

proposal min. metal front plate cut out for BU...M(S)F(SU...M(S)F with shielding plate

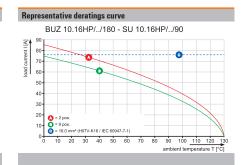
Oberkante Leiterplatte = Bezugskante
PCB upper side = reference level

Oberkante Leiterplatte = Bezugskante
PCB upper side = reference level

Oberkante Leiterplatte = Bezugskante
PCB upper side = reference level

Oberkante Leiterplatte = BOARD 270'

Oberka



2977770000

10.16





BUZ 10.16IT/../180MF3 SH180

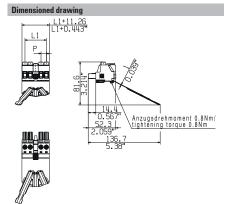
BUZ 10.16IT/../180MF3 SH200





Dimensioned drawing 11+11.26 L1+0.443" 0.56" Anzugsdrehmoment 0.8Nm/ ightening torque 0.8Nm 2.059" 143.5 5.651"



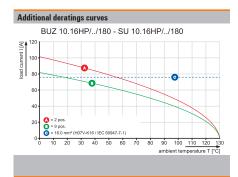


Ordering data

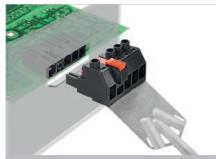
| | - | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | |
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 20 | 2627400000 |
| 4 | 40.64 | 1.600 | 20 | 2627410000 |
| 3 | 30.48 | 1.200 | 20 | 2627400000 |

Ordering data

| Solder pin | length | | | |
|------------|-------------|-----------------|----------------|-------------------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. | L1 30.48 | (inch) 1.200 | Qty. 20 | Order No. 2627450000 |
| 0.00 | L1 | | | |



BUZ 10.16IT/../180MF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm² UL: 600 V / 60 A / AWG 22 - 4



For additional articles and information, refer to eshop.weidmueller.com

Note:

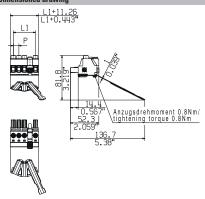
- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MF4 SH160





Dimensioned drawin



Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 | mm | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 20 | 2627370000 |

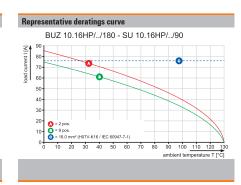
Technical data

| i cullilicai uata | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | | 0.216 | |
| Solid core H05(07) V-U | mm ² | | 0.216 | ; |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | |
| Flexible with ferrule | mm ² | (| 0.251 | 6 |
| Ferrule with plastic collar | mm ² | (| 0.251 | 6 |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | Nm | | 1.22 | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | sil | ver-plat | ed |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Coding | | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| 20 75 | KO BU/SU10.16HP BK | 1824410000 |
| 1 | KO BU/SU10.16HP WT | 2592600000 |
| • | | |
| Screwdriver | | |
| A | SDIS 1.0X5.5X125 | 2749850000 |
| - | | |
| | | |
| Crosshead scre | ewdriver | |
| Ø | SDIK PZ2 X 100 | 2749930000 |
| A CONTRACTOR OF THE PARTY OF TH | SDK PZ2 X 100 | 2749450000 |
| / | | |

Representative dimensional drawing proposal min. metal front plate cut out for 8U...M(S)FSU...M(S)F with shielding plate Observante Leiterplatte = Bezugskante PCB upper side = reference level n+1 x 10, 16-12 BOARD 270° O.D4" O.U4"+0.U4"+0.U4" BOARD 270° O.U4"+0.U4"+0.U4"+0.U4" BOARD 270° O.U4"+0.U4"+0.U4"+0.U4" O.U4"+0.U4"+0.U4"+0.U4" O.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+0.U4"+





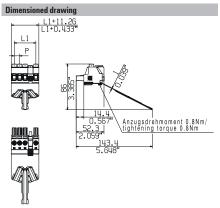




BUZ 10.16IT/../180MF4 SH180 BUZ 10.16IT/../180MF4 SH200







Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 20 | 2627420000 |

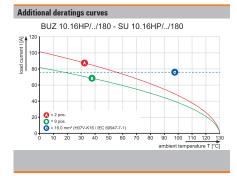




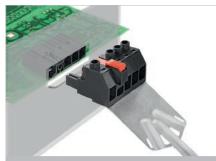
| Dimensioned drawing |
|-------------------------------------------------------------------------------------------|
| L1+11.26 L1+0.443 |
| 0.557" Anzugsdrehmoment 0.8Nm/ 52.3 tightening torque 0.8Nm/ 2.059" 136.6 5.378" |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 20 | 2627470000 |



BUZ 10.16IT/../180MSF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm² UL: 600 V / 60 A / AWG 22 - 4



For additional articles and information, refer to eshop.weidmueller.com

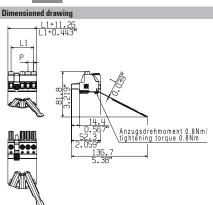
Note:

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MSF2 SH160







Technical data

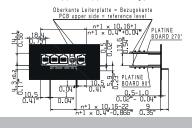
| In compliance with IEC 60664-1 / | IEC 61984 | | | |
|---------------------------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.216 | 3 |
| Solid core H05(07) V-U | mm² | | 0.216 | ì |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | 3 |
| Flexible with ferrule | mm ² | (| 0.251 | 6 |
| Ferrule with plastic collar | mm² | (| 0.251 | 6 |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | Nm | | 1.22 | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | Ш | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| | | | Cu-alloy | |
| Contact base material | | | | |
| Material of contact surface | | sil | ver-plat | ed |
| Material of contact surface Pin dimensions = d | mm | sil | ver-plat | ed |
| Material of contact surface | mm | sil | ver-plat | ed |

Accessories

| Coding | | Order No. |
|----------------|--------------------|------------|
| 20 000 | KO BU/SU10.16HP BK | 1824410000 |
| - | KO BU/SU10.16HP WT | 2592600000 |
| • | | |
| Screwdriver | | |
| 1 | SDIS 1.0X5.5X125 | 2749850000 |
| 1 | | |
| | | |
| Crosshead scre | wdriver | |
| 0 | SDIK PZ2 X 100 | 2749930000 |
| | SDK PZ2 X 100 | 2749450000 |
| / | | |

Ordering data

| Solder pin | length | | | |
|---------------|---------|-----------------|-------------------|----------------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| | | | _ | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. 3 | 30.48 | (inch) 1.200 | Qty. 20 | Order No. 2627480000 |
| | | | | |







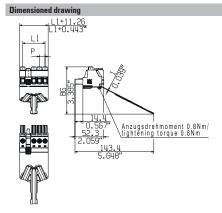


BUZ 10.16IT/../180MSF2 SH180

BUZ 10.16IT/../180MSF2 SH200









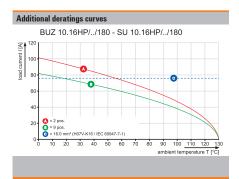
| Dimensioned (| drawing |
|---------------|-------------------------------------------------------------------------------------|
| L1 P | 1+11.26 +0.443** |
| | Anzugsdrehmoment 0.8Nm/ 52.3 (tighténing torque 0.8Nm/ 2.059" (36.6 5.378" |

Ordering data

| Solder p | | | | |
|----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 20 | 2627530000 |
| 4 | 40.64 | 1.600 | 20 | 2627540000 |
| | | | | |

Ordering data

| Solder pin length | | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|--|
| Colour | | | | black | | | | |
| Pitch | 10.16 m | m | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | | |
| 3 | 30.48 | 1.200 | 20 | 2627580000 | | | | |
| 4 | 40.64 | 1.600 | 20 | 2627590000 | | | | |



BUZ 10.16IT/../180MSF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm² UL: 600 V / 60 A / AWG 22 - 4



For additional articles and information, refer to eshop.weidmueller.com

Note:

- · Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MSF3 SH160





Dimensioned drawing L1+11.26 L1+0.443" Anzugsdrehmoment 0.8Nm/ tightening torque 0.8Nm 143.45 5.648"

Technical data

| I E CIIIII CAI UA LA | | | | |
|-----------------------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 / I | EC 61984 | ļ. | | |
| Clamping range, max. | mm ² | | 0.216 | |
| Solid core H05(07) V-U | mm² | | 0.216 | ; |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | |
| Flexible with ferrule | mm ² | (| 0.251 | 6 |
| Ferrule with plastic collar | mm ² | (| 0.251 | 6 |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | Nm | | 1.22 | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | sil | ver-plat | ed |
| Pin dimensions = d | mm | | | |
| | | | | |
| Solder eyelet Ø = D Solder eyelet Ø tolerance | | | | |

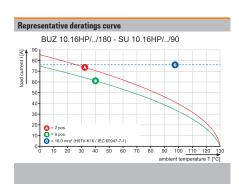
Accessories

| Coding | | Order No. |
|----------------|--------------------|------------|
| 20 000 | KO BU/SU10.16HP BK | 1824410000 |
| - | KO BU/SU10.16HP WT | 2592600000 |
| • | | |
| Screwdriver | | |
| 1 | SDIS 1.0X5.5X125 | 2749850000 |
| 1 | | |
| | | |
| Crosshead scre | wdriver | |
| 0 | SDIK PZ2 X 100 | 2749930000 |
| | SDK PZ2 X 100 | 2749450000 |
| / | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | black | | | |
| Pitch | 10.16 m | ım | | |
| Pol. | 11 | (inch) | Qty. | Order No. |
| I UI. | L.I | | | |
| 3 | 30.48 | 1.200 | 20 | 2627500000 |
| | LI | | | |

Pepresentative dimensional drawing proposal min. metal front plate cut out for BU...M(S)FSU...M(S)F with shielding plate Oberkante Leiterplatte = Bezugskante PCB upper side = reference level PCB upper side = reference level O. 15-1 V. 10.16-12 BOARD 270° O. 11 V. 10.16-22 D. 5-1 V. 11 V. 10.16-20 D. 5-1 V. 11 V. 11









BUZ 10.16IT/../180MSF3 SH180

BUZ 10.16IT/../180MSF3 SH200





Dimensioned drawing L1+11.26 L1+0.443 Quadratic properties of the control of t

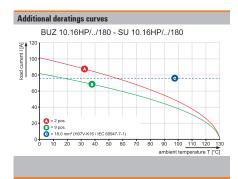


Ordering data

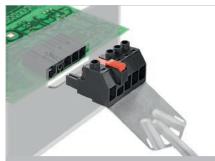
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 20 | 2627550000 |
| 4 | 40.64 | 1.600 | 20 | 2627560000 |
| | | | | |

Ordering data

| length | | | | | | |
|---------|-------------|--------------------------------------|-----------------------------------------------|--|--|--|
| Colour | | | | | | |
| 10.16 m | ım | | | | | |
| L1 | (inch) | Qty. | Order No. | | | |
| 30.48 | 1.200 | 20 | 2627600000 | | | |
| 40.64 | 1.600 | 20 | 2627610000 | | | |
| | L1 30.48 | 10.16 mm L1 (inch) 30.48 1.200 | 10.16 mm L1 (inch) Otty. 30.48 1.200 20 | | | |



BUZ 10.16IT/../180MSF SH



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm² UL: 600 V / 60 A / AWG 22 - 4



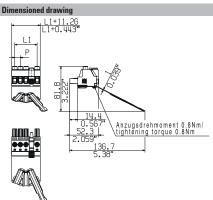
For additional articles and information, refer to eshop.weidmueller.com

- · Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MSF4 SH160







Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | | | |
|----------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.216 | |
| Solid core H05(07) V-U | mm ² | 1 | 0.216 | ; |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | |
| Flexible with ferrule | mm ² | (| 0.251 | 6 |
| Ferrule with plastic collar | mm ² | (| 0.251 | 6 |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | Nm | | 1.22 | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | Ш | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| , , | | | Cu-alloy | |
| Contact base material | | | , | |
| Material of contact surface | | | ver-plat | ed |
| Gontaot Dago matorial | mm | | , | ed |
| Material of contact surface | mm | | , | ed |

Accessories

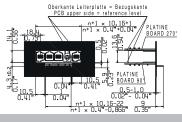
| | • | |
|--------------------|-------------------------------------------|------------|
| Note: Refer to the | Accessories chapter for additional access | sories. |
| Coding | | Order No. |
| 20 % | KO BU/SU10.16HP BK | 1824410000 |
| - | KO BU/SU10.16HP WT | 2592600000 |
| . , | | |
| Screwdriver | | |
| M | SDIS 1.0X5.5X125 | 2749850000 |
| - | | |
| | | |
| Crosshead scre | wdriver | |
| 0 | SDIK PZ2 X 100 | 2749930000 |
| 1 | SDK PZ2 X 100 | 2749450000 |
| / | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 20 | 2627520000 |
| | | | | |

Representative dimensional drawing

proposal min. metal front plate cut out for $B \, U \dots M \, (S) \, F / \, S \, U \dots M \, (S) \, F$ with shielding plate Oberkante Leiterplatte = Bezugskante PCB upper side = reference level



Representative deratings curve BUZ 10.16HP/../180 - SU 10.16HP/../90 100 110 120





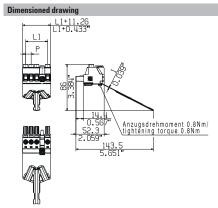


BUZ 10.16IT/../180MSF4 SH180

BUZ 10.16IT/../180MSF4 SH200









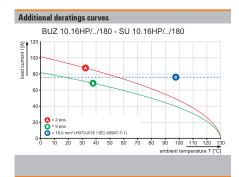
| L1+11.26 L1+0.443" O.567" Anzugsdrehmoment 0.8Nm/ tightening torque 0.8Nm/ 136.5 5.374" |
|-----------------------------------------------------------------------------------------------------|

Ordering data

| Solder pin length Colour black Pitch 10.16 mm | | | | |
|-----------------------------------------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40 64 | 1 600 | 20 | 2627570000 |

Ordering data

| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | | | | black | | | |
| Pitch | 10.16 m | m | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 4 | 40.64 | 1.600 | 20 | 2627620000 | | | |



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BUZ 10.16IT/../180MF



Female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth.

The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

Optionally available without middle flange interlock.

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm² UL: 600 V / 60 A / AWG 22 - 4



For additional articles and information, refer to eshop.weidmueller.com

Note

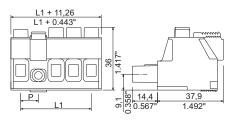
- · Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16IT/../180MF2





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | | | |
|--------------------------------|-----------------|----------|-----------|------|--|--|
| Clamping range, max. | mm ² | | 0.216 | | | |
| Solid core H05(07) V-U | mm² | 0.216 | | | | |
| Stranded H07 V-R | | | 16 | | | |
| Flexible H05(07) V-K | mm ² | | 0.516 | | | |
| Flexible with ferrule | mm ² | - 1 | 0.251 | 6 | | |
| Ferrule with plastic collar | mm ² | - | 0.251 | 6 | | |
| Stripping length | mm | | 12 | | | |
| Screwdriver blade | mm | | 1.0 x 5. | 5 | | |
| According to norm | | | | | | |
| Tightening torque range | Nm | | 1.22 | | | |
| Rated current, max. | Α | 78.3 | | 70.6 | | |
| At ambient temperature | | 20°C | | 40°C | | |
| For conductor cross-section | mm ² | | 16 | | | |
| Overvoltage category | | III | III | Ш | | |
| Pollution severity | | 3 | 2 | 2 | | |
| Rated voltage | V | 1000 | 1000 | 1000 | | |
| Rated impulse voltage | kV | 8 | 8 | 6 | | |
| UL / CUL (Use Group) | | В | С | D | | |
| Rated voltage | V | 600 | 600 | 600 | | |
| Rated current | Α | 60 | 60 | 5 | | |
| AWG conductor | AWG | | 22-4 | | | |
| CSA (Use Group) | | В | C | D | | |
| Rated voltage | V | 600 | 600 | 600 | | |
| Rated current | Α | 60 | 60 | 5 | | |
| AWG conductor | AWG | | 22-4 | | | |
| General data | | | | | | |
| Type of insulation material | | | PA GF | | | |
| UL 94 flammability rating | | | V-0 | | | |
| Contact base material | | Cu-alloy | | | | |
| Material of contact surface | | si | lver-plat | ed | | |
| Pin dimensions = d | mm | | | | | |
| Solder eyelet $\emptyset = D$ | | | | | | |
| Solder evelet Ø tolerance | mm | | | | | |

Accessories

| Coding | | Order No. |
|---------------|--------------------|------------|
| 20 55 | KO BU/SU10.16HP BK | 1824410000 |
| * | KO BU/SU10.16HP WT | 2592600000 |
| • | | |
| Screwdriver | | |
| W | SDIS 1.0X5.5X125 | 274985000 |
| 3 | | |
| | | |
| Crosshead scr | ewdriver | |
| 0 | SDIK PZ2 X 100 | 274993000 |
| 1 | SDK PZ2 X 100 | 274945000 |
| / | | |

Ordering data

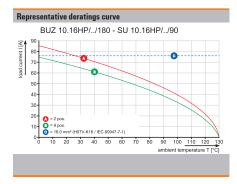
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 20.32 | 0.800 | 30 | 1156600000 |
| 3 | 30.48 | 1.200 | 21 | 1156610000 |
| 4 | 40.64 | 1.600 | 18 | 1156630000 |
| | | | | |











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BUZ 10.16IT/../180MF3

BUZ 10.16IT/../180MF4



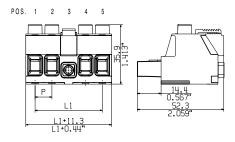


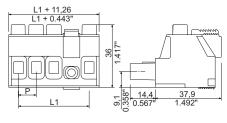
Dimensioned drawing





Dimensioned drawing



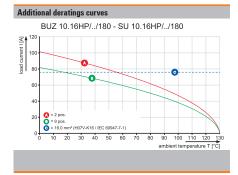


Ordering data

| Solder pin length | | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|--|
| Colour | | | | black | | | | |
| Pitch | 10.16 m | ım | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | | |
| 3 | 30.48 | 1.200 | 21 | 1156620000 | | | | |
| 4 | 40.64 | 1.600 | 18 | 2000430000 | | | | |

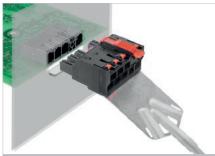
Ordering data

| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | | | | black | | | |
| Pitch | 10.16 m | m | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 4 | 40.64 | 1.600 | 18 | 1156640000 | | | |



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BUF 10.16IT/../180MF SH



PUSH IN female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Technical data

Clamping range, max.

Stranded H07 V-R

Flexible H05(07) V-K

Flexible with ferrule

Stripping length

Screwdriver blade

Ferrule with plastic collar

Tightening torque range Rated current, max.

At ambient temperature

Overvoltage category

Rated impulse voltage

UL / CUL (Use Group)

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor

CSA (Use Group)

Rated voltage

Rated current AWG conductor

General dataType of insulation material

UL 94 flammability rating

Material of contact surface

Solder eyelet Ø tolerance

Contact base material

Pin dimensions = d

Solder eyelet Ø = D

For conductor cross-section

According to norm

Solid core H05(07) V-U

In compliance with IEC 60664-1 / IEC 61984

Product data

IEC: 1000 V / 76 A / 2.5 - 16 mm² UL: 600 V / 51 A / AWG 12 - 6



For additional articles and information, refer to eshop.weidmueller.com

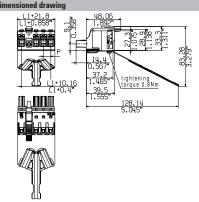
Note:

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- . Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUF 10.16IT/../180MF2 SH180







Accessories

25 16

2.5...10

..16

2.5...16

2.5...16

2.5...16

18 0.8 x 4.0

DIN 5264

16

12-6

PA GF

V-0

Cu-allov

silver-plated

40°C

III II

D

C D

76

Ш

В

51 51

В

mm²

mm²

mm²

mm²

mm²

mm

mm

mm²

V 1000 1000 1000

kV 8 8

V 600

٧

AWG

AWG

mm

mm

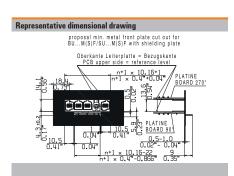
| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|--------------------|------------|--|--|--|
| Coding | | Order No. | | | |
| 20 55 | KO BU/SU10.16HP BK | 1824410000 | | | |
| - | KO BU/SU10.16HP WT | 2592600000 | | | |
| • | | | | | |
| Screwdriver | | | | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 | | | |
| 1 | | | | | |
| / | | | | | |
| | | | | | |

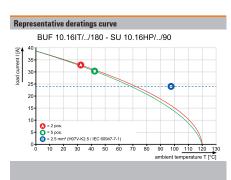
Ordering data

| Solder pin | | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 20 | 2627720000 |

°),(\$ 10.16





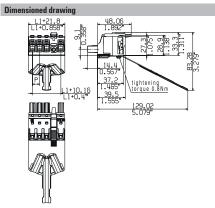


BUF 10.16IT/../180MF4 SH180





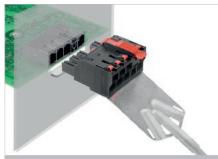




Ordering data

| Solder pin length | | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|--|
| Colour | | | | black | | | | |
| Pitch | 10.16 m | m | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | | |
| 4 | 40.64 | 1.600 | 20 | 2627750000 | | | | |

BUF 10.16IT/../180MSF SH



PUSH IN female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 76 A / 2.5 - 16 mm² UL: 600 V / 51 A / AWG 12 - 6



For additional articles and information, refer to eshop.weidmueller.com

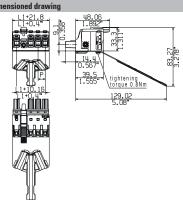
Note:

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUF 10.16IT/../180MSF2 SH180







Technical data

| In compliance with IEC 60664-1 / IEC 61984 | | | | | |
|--------------------------------------------|-----------------|------|-----------|------|--|
| Clamping range, max. | mm ² | | 2.516 | | |
| Solid core H05(07) V-U | mm ² | | 2.510 |) | |
| Stranded H07 V-R | | | 16 | | |
| Flexible H05(07) V-K | mm ² | | 2.516 | | |
| Flexible with ferrule | mm ² | | 2.516 | | |
| Ferrule with plastic collar | mm ² | | 2.516 | | |
| Stripping length | mm | | 18 | | |
| Screwdriver blade | mm | (| 0.8 x 4.0 |) | |
| According to norm | | | IN 526 | 4 | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 76 | | 70 | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | mm ² | | 16 | | |
| Overvoltage category | | III | Ш | Ш | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | V | 1000 | 1000 | 1000 | |
| Rated impulse voltage | kV | 8 | 8 | 8 | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 600 | 600 | | |
| Rated current | Α | 51 | 51 | | |
| AWG conductor | AWG | | 12-6 | | |
| CSA (Use Group) | | В | С | D | |
| Rated voltage | V | | | | |
| Rated current | A | | | | |
| AWG conductor | AWG | | - | | |
| General data | | | | | |
| Type of insulation material | | | PA GF | | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | | |
| Material of contact surface | | sil | ver-plat | ed | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet Ø = D | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |

Accessories

| K0 BU/SU10.16HP WT 259260000 Screwdriver | Coding | | Order No. |
|------------------------------------------|-------------|--------------------|------------|
| Screwdriver | 22 22 | KO BU/SU10.16HP BK | 1824410000 |
| 001011411101 | * | KO BU/SU10.16HP WT | 2592600000 |
| SDS 0.884 58125 274937000 | Screwdriver | | |
| 000 0.0X4.3X123 27433700 | 0 | SDS 0.8X4.5X125 | 2749370000 |
| | 1 | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 20 | 2627860000 |
| | | | | |

Representative dimensional drawing

proposal min. metal front plate cut out for BU...M(S)FSU...M(S)F with shielding plate

Oberkant Leiterplatte = Bezugskante

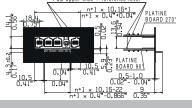
PCB upper side = reference level

n+1 x 10.16-1

n+1 x 0.14-0.04 PLA

BOA

0.751



Representative deratings curve BUF 10.16IT/../180 - SU 10.16HP/../90 **The state of the state



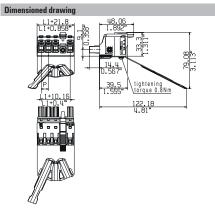


BUF 10.16IT/../180MSF4 SH200









Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 20 | 2627950000 |

BUF 10.16IT/../180MF



PUSH IN female plug in 180° outlet direction for IT networks. Fulfils the requirements of UL1059 for 600 $\rm V$ Use Group C with leading PE contact when used with SU 10.16IT male header. Fulfils the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1.

The middle flange interlocks automatically and is optionally available with screw connection. It decreases the space required by one pole when compared to other solutions.

Available optionally without middle flange interlock.

Product data

IEC: 1000 V / 76 A / 2.5 - 16 mm² UL: 600 V / 51 A / AWG 12 - 6

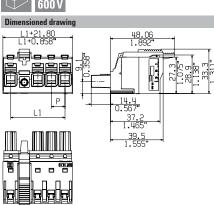


For additional articles and information, refer to eshop.weidmueller.com

- · Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, $% \left(\frac{1}{2}\right) =\left(\frac{1}{2}\right) \left(\frac{1}{2}\right$ connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BUF 10.16IT/../180MF2





| L1+0.858" | 1.892" | 1 |
|-----------|----------------------------------|-------------------------------------------------|
| | 14.4 0.567" 37.2 1.465" | 1.075 28.9 28.9 1.138 33.3 1.311 |
| | 39.5 1.555" | |

Technical data

| roommour data | | | | |
|--------------------------------|-----------------|-------|-----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | mm ² | | 2.516 | |
| Solid core H05(07) V-U | mm ² | | 2.510 |) |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 2.516 | |
| Flexible with ferrule | mm ² | | 2.516 | |
| Ferrule with plastic collar | mm ² | | 2.516 | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | - 1 | 0.8 x 4.0 |) |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 76 | | 70 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 51 | 51 | |
| AWG conductor | AWG | | 12-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | si | lver-plat | ed |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

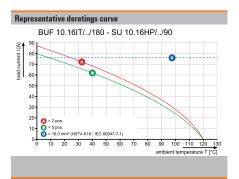
| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|--------------------|------------|--|--|
| Coding | | Order No. | | |
| 20 %5 | KO BU/SU10.16HP BK | 1824410000 | | |
| - | KO BU/SU10.16HP WT | 2592600000 | | |
| . , | | | | |
| Screwdriver | | | | |
| N | SDS 0.8X4.5X125 | 2749370000 | | |
| | | | | |
| / | | | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 20.32 | 0.800 | 36 | 2493160000 |
| 3 | 30.48 | 1.200 | 28 | 2493180000 |
| 4 | 40.64 | 1.600 | 24 | 2493200000 |
| | | | | |







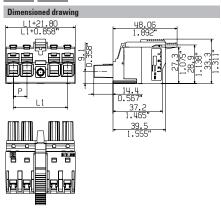
Weidmüller 🏖 2977770000

BUF 10.16IT/../180MF3

BUF 10.16IT/../180MF4

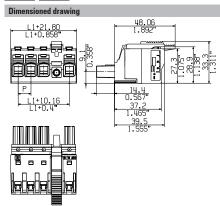










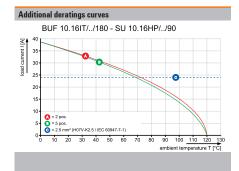


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|-------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 28 | 2493190000 |
| 1 | 40 64 | 1 600 | 2/ | 2/102210000 |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 24 | 2544950000 |



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BUF 10.16IT/../180MSF



PUSH IN female plug in 180° outlet direction for IT networks. Fulfils the requirements of UL1059 for 600 V Use Group C with leading PE contact when used with SU 10.16IT male header. Fulfils the expanded requirements for 5.5 mm of touch protection (400 V relative to earth), according to IEC 61800-5-1.

The middle flange interlocks automatically and is optionally available with screw connection. It decreases the space required by one pole when compared to other solutions.

Available optionally without middle flange interlock.

Product data

IEC: 1000 V / 76 A / 2.5 - 16 mm² UL: 600 V / 51 A / AWG 12 - 6



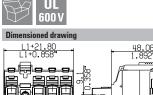
For additional articles and information, refer to eshop.weidmueller.com

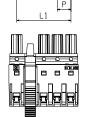
Note:

- · Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUF 10.16IT/../180MSF2







Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | black | |
| Pitch | 10.16 m | ım | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 20.32 | 0.800 | 36 | 2493230000 | |
| 3 | 30.48 | 1.200 | 28 | 2493240000 | |
| 4 | 40.64 | 1.600 | 24 | 2493260000 | |
| | | | | | |

39.5

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|------------------------------------------------------------------------|-----------------|----------|-----------------------|------|
| Clamping range, max. | mm ² | | 2.516 | |
| Solid core H05(07) V-U | mm² | | 2.510 |) |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 2.516 | |
| Flexible with ferrule | mm ² | | 2.516 | |
| Ferrule with plastic collar | mm ² | | 2.516 | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | - 1 | 0.8 x 4.0 |) |
| According to norm | | | OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 76 | | 70 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 51 | 51 | |
| AWG conductor | AWG | | 12-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| | | | V-0 | |
| UL 94 flammability rating | | Cu-alloy | | |
| Contact base material | | | , | |
| Contact base material Material of contact surface | | | Cu-alloy Iver-plat | |
| Contact base material Material of contact surface Pin dimensions = d | mm | | , | |
| Contact base material Material of contact surface | mm | | , | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|--|--|
| Coding | | Order No. | | |
| 20 03 | KO BU/SU10.16HP BK | 1824410000 | | |
| - | KO BU/SU10.16HP WT | 2592600000 | | |
| • | | | | |
| Screwdriver | | | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 | | |
| A CONTRACTOR OF THE PARTY OF TH | | | | |
| / | | | | |
| | | | | |





0.100 Weidmüller ₹ 2977770000

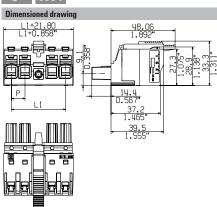
BUF 10.16IT/../180MSF3

BUF 10.16IT/../180MSF4

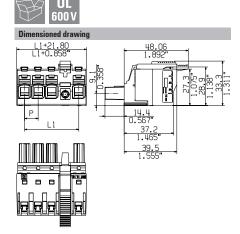










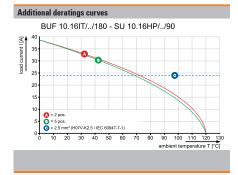


Ordering data

| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | black | | | | | | |
| Pitch | 10.16 m | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 3 | 30.48 | 1.200 | 28 | 2493250000 | | | |
| 4 | 40.64 | 1.600 | 24 | 2493270000 | | | |

Ordering data

| Solder pin length | | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|--|
| Colour | | | | black | | | | |
| Pitch | 10.16 m | ım | | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | | |
| 4 | 40.64 | 1.600 | 24 | 2493280000 | | | | |



Weidmüller 3 2 0.101 2977770000

OMNIMATE® Power BL/SL 7.62HP – power class up to 2.55 mm² and 24 A Custom-fit solutions for compact devices

Compact power for more safety and efficiency: The compact class in the OMNIMATE® Power BL/SL 7.62HP power connector series integrates previously-conflicting market requirements to provide a custom-fit solution for drive applications.

This closes the gap between increasing miniaturisation and unlimited 600 V UL approval. The system extension to the 12 kVA power class enables a touch-safe, inverted motor connection with one-handed safety interlock. The PUSH INconnection system also provides a quick and reliable wire connection. Doublesided touch protection guarantees full protection even with inverse voltages. Thus even OMNIMATE® Power's compact class is qualified for use with the DC link bus.

Compact safety

No additional measures required for DC links or inverse voltage: the inverted versions have finger-safe male header and female header even when not plugged in.



Compact reliability

Maintenance-free and vibration-proof connections: quick and simple PUSH IN connections, or the self-fastening Weidmüller steel clamp with plus/minus screw and "Wire Guard".



Weidmüller ₹ 2977770000

Compact integration No compromises during design and approval: compact

No compromises during design and approval: compact and standard-compliant with additional + 3.0 mm finger safety, according to IEC 61800- 5-1, and increased creepage and clearance distances according to UL.



Compact system power

An overview of OMNIMATE® Power's 12 kVA class: The compact system with either standard or inverted mating profile, with screw or PUSH IN wire connection; optionally with lock & release lever, screw flange or one-handed safety interlock.



Unrivalled current-carrying capacity

The highest load capacity in the 12 kVA compact class: with up to 29 A current-carrying capacity at 1.000 V (IEC) with a 4 mm² wire cross-section or 18.5 A at 600 V according to UL.



Individualised configuration

Standard + Services = custom design with simple configuration across the entire range of services: features include colour coding, application-oriented labelling and custom modifications or design.

More information can be found at galaxy.weidmueller.com



Ergonomic operation and simple front designOMNIMATE® Power opens up new 270° perspectives

With modular devices, the PCBs are often perpendicular, i.e. located on the right and left, close to the housing wall. Hence the need to arrange the male header in the device so that it points to the middle.

To avoid the need to change the direction of access during installation, we have developed a 270° male header. The combination of two opposing PCBs inside the housing, one with a 90° and the other with a 270° pin header. This allows you to keep the screwdriver comfortably in your right hand when wiring.

In addition to the ergonomic operation without the need to change hands, the consistent alignment of the connections also means that the layout of the front panel is particularly simple and clear.

Your special advantages:

Compact and powerful

We offer you the smallest plug-in PUSH IN connection solution for field wiring up to 600 V UL with a connection cross-section of AWG 12 (2.5 mm²).



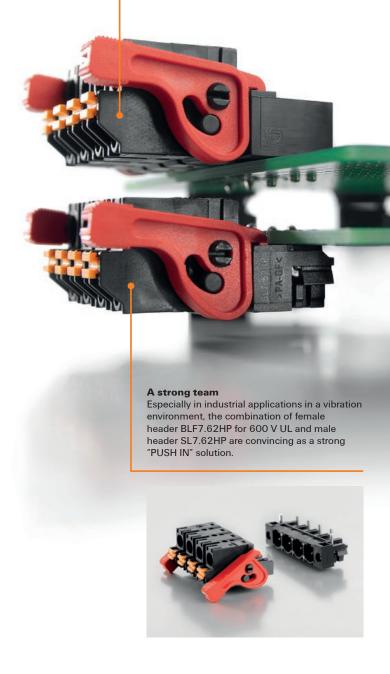
The solder flange solution for the pin connector on the PCB and the possible flange fixing of the plug section simplify the use of complex device applications with high mechanical demands

0.104 Weidmüller ₹ 2977770000

Simple design, standard operationAll PUSH IN connection components on the front panel are aligned in the same direction thanks to the 270° male header. This allows a continuous operation with the right hand.







Weidmüller 3 2 0.105

BL/SL 7.62 series

http://www.OMNIMATE.net Orientation = Wire-to-Board 135° = Board-to-Board = Wire-to-Wire = Board-to-Wire

Туре





SL

| | JL, UL | 7.02 001100 | | ·· | | | | 02 | |
|---|---------------|---------------------------|-------|-----|---------|--------------|--------------------------------------------------------------------------|-----------------------------------|-----------------------------------|
| | ■ 98/0 | (25.94Tm) | | · | Orienta | ition | | 90°/270° | 180° |
| j | 3 | | | | | Flange optio | ns | G/F/LF | G/F/LF |
| i | | | | | | • | Product code numbers | IEC: 800 V/24 A UL: 300 V/20 A | IEC: 800 V/24 A UL: 300 V/20 A |
| | e plug | Screw Clamping yoke | | BLZ | 180° | (G)/LR | IEC: 630 V/24 A/0.08 - 2.5 mm ² UL: 600 V/20 A/AWG 20 - 12 | • | 0 |
| | Female plug | Spring PUSH IN | aure) | BLF | 180° | (G)/F/LR | IEC: 1.000 V/24 A/0.08 - 2.5 mm ² UL: 300 V/20 A/AWG 20 | 0 | 0 |
| | Female header | Solder connection | | BLL | 90° | (G)/F/LF | IEC: 630 V/24 A UL: 300 V/20 A | | |
| | Female | | | BLL | 180° | (G)/F/LF | IEC: 630 V/24 A UL: 300 V/20 A | | |

Female plug and header:

(G) = Closed (without flange)

SLF SH 180°

- F = Screw flange with screw
- LR = Lock & Release lever

Male header and plug:

(G)/F/LR

G = Closed (without flange)

IEC: 1.000 V/24 A/0,08 - 2,5 mm²

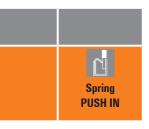
UL: 300 V/20 A/AWG 20

- F = Screw flange with nut
- **LF** = Solder flange with nut LR = Lock & Release lever

Stiftstecker

Spring

PUSH IN





| SLF |
|------------------------------------------------------------------------------------|
| 180° |
| G/F/LR |
| IEC: 1.000 V/24 A/ 0.08 - 2.5 mm ² UL: 600 V/20 A/ AWG 20 - 12 |
| |
| |
| • |
| • |
| |

2977770000 **Weidmüller № 0.107**

SL 7.62HP/../90



Male header with 90° outlet direction. The compact and efficient solution for UL-600 V applications in the lower power range in combination with a female plug fulfils the requirements for 600 V acc. to UL508 / UL840 and the enhanced electric shock protection requirements acc. to IEC 68100-5-1.

Variants: flange and solder flanges versions.

Product data

IEC: 630 V / 29 A UL: 300 V / 20 A



For additional articles and information, refer to eshop.weidmueller.com

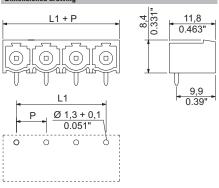
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

 In accordance with IEC 61984, OMNIMATE-connectors are
- connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SL 7.62HP/../90G







Technical data

| lecillicai uata | | | | |
|--------------------------------|-------------|------|-----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 29 | | 25 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1.0 | 0 |
| Solder eyelet Ø = D | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Coding | | Order No. | | | |
| | BLZ/SL KO OR BX | 1573010000 | | | |
| | BLZ/SL KO BK BX | 1545710000 | | | |
| - | | | | | |

Ordering data

| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1026760000 |
| 3 | 15.24 | 0.600 | 100 | 1026770000 |
| 4 | 22.86 | 0.900 | 100 | 1026780000 |
| 5 | 30.48 | 1.200 | 50 | 1026790000 |
| 6 | 38.10 | 1.500 | 50 | 1059490000 |
| 7 | 45.72 | 1.800 | 50 | 1059500000 |
| 8 | 53.34 | 2.100 | 50 | 1059510000 |
| 9 | 60.96 | 2.400 | 50 | 1059520000 |
| 10 | 68.58 | 2.700 | 50 | 1059530000 |
| 11 | 76.20 | 3.000 | 50 | 1059550000 |
| 12 | 83.82 | 3.300 | 50 | 1059570000 |
| | | | | |



0.108

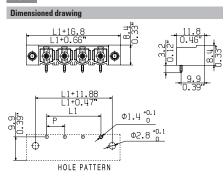
Weidmüller 🏖 2977770000

SL 7.62HP/../90F

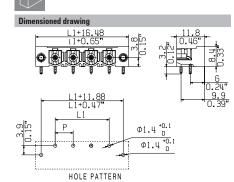
SL 7.62HP/../90LF











Ordering data

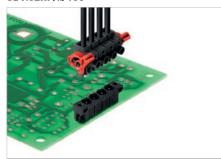
| Solder pir | ı length | | | 3.2 mm |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1026850000 |
| 3 | 15.24 | 0.600 | 54 | 1026860000 |
| 4 | 22.86 | 0.900 | 42 | 1026870000 |
| 5 | 30.48 | 1.200 | 36 | 1026880000 |
| 6 | 38.10 | 1.500 | 30 | 1124250000 |
| 7 | 45.72 | 1.800 | 24 | 1124270000 |
| 8 | 53.34 | 2.100 | 24 | 1124280000 |
| 9 | 60.96 | 2.400 | 24 | 1124290000 |
| 10 | 68.58 | 2.700 | 18 | 1124300000 |
| 11 | 76.20 | 3.000 | 18 | 1124310000 |
| 12 | 83.82 | 3.300 | 18 | 1124320000 |

Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1095920000 |
| 3 | 15.24 | 0.600 | 54 | 1095930000 |
| 4 | 22.86 | 0.900 | 42 | 1095940000 |
| 5 | 30.48 | 1.200 | 36 | 1095950000 |
| 6 | 38.10 | 1.500 | 30 | 1095960000 |
| 7 | 45.72 | 1.800 | 30 | 1095970000 |
| 8 | 53.34 | 2.100 | 24 | 1095980000 |
| 9 | 60.96 | 2.400 | 24 | 1095990000 |
| 10 | 68.58 | 2.700 | 18 | 1096000000 |
| 11 | 76.20 | 3.000 | 18 | 1096010000 |
| 12 | 83.82 | 3.300 | 18 | 1096020000 |

2977770000 **Weidmüller ₹ 0.109**

SL 7.62HP/../180



Male header with 180° outlet direction. The compact and efficient solution for UL-600 V applications in the lower power range fulfils, in combination with a female plug, the requirements for 600 V in acc. with UL508-5-1 / UL840 and the enhanced electric shock protection requirements in acc. with IEC 68100-5-1.

Variants: flanges and solder flange versions.

Product data

IEC: 630 V / 29 A UL: 300 V / 20 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
 In accordance with IEC 61984, OMNIMATE-connectors are
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

al accessories

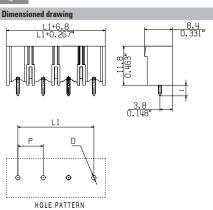
Order No. 1573010000

1545710000

SL 7.62HP/../180G







Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1122550000 |
| 3 | 15.24 | 0.600 | 100 | 1122570000 |
| 4 | 22.86 | 0.900 | 100 | 1122580000 |
| 5 | 30.48 | 1.200 | 50 | 1048980000 |
| 6 | 38.10 | 1.500 | 50 | 1048990000 |
| 7 | 45.72 | 1.800 | 50 | 1122590000 |
| 8 | 53.34 | 2.100 | 50 | 1049000000 |
| 9 | 60.96 | 2.400 | 50 | 1122600000 |
| 10 | 68.58 | 2.700 | 50 | 1122610000 |
| 11 | 76.20 | 3.000 | 50 | 1122640000 |
| 12 | 83.82 | 3.300 | 50 | 1122650000 |
| | | | | |

Technical data

| iecillicai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 29 | | 25 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to Coding | the Accessories chapter for additional acc |
|-----------------------|--------------------------------------------|
| County | BLZ/SL KO OR BX |
| | BLZ/SL KO BK BX |
| | |
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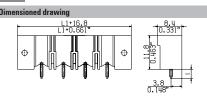


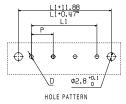
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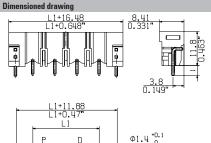


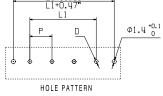
Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1140870000 |
| 3 | 15.24 | 0.600 | 54 | 1140880000 |
| 4 | 22.86 | 0.900 | 42 | 1140890000 |
| 5 | 30.48 | 1.200 | 36 | 1140900000 |
| 6 | 38.10 | 1.500 | 30 | 1140910000 |
| 7 | 45.72 | 1.800 | 24 | 1140920000 |
| 8 | 53.34 | 2.100 | 24 | 1140930000 |
| 9 | 60.96 | 2.400 | 24 | 1140940000 |
| 10 | 68.58 | 2.700 | 18 | 1140950000 |
| 11 | 76.20 | 3.000 | 18 | 1140960000 |
| 12 | 83.82 | 3.300 | 18 | 1140970000 |









Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1141090000 |
| 3 | 15.24 | 0.600 | 54 | 1141100000 |
| 4 | 22.86 | 0.900 | 42 | 1141110000 |
| 5 | 30.48 | 1.200 | 36 | 1141120000 |
| 6 | 38.10 | 1.500 | 30 | 1141130000 |
| 7 | 45.72 | 1.800 | 30 | 1141140000 |
| 8 | 53.34 | 2.100 | 24 | 1141150000 |
| 9 | 60.96 | 2.400 | 24 | 1141160000 |
| 10 | 68.58 | 2.700 | 18 | 1141170000 |
| 11 | 76.20 | 3.000 | 18 | 1141180000 |
| 12 | 83.82 | 3.300 | 18 | 1141190000 |

2977770000 **Weidmüller № 0.111**

SL 7.62HP/../270



Pin header with 270° outlet direction. This compact solution for UL-600 V applications in the lower performance range meets the requirements for 600 V in accordance with UL 508 / UL 840 as well as the more stringent touch-safety requirements of IEC 68100-5-1 for electrical drive systems when combined with a female plug.

Variants: solder flange versions.

Product data

IEC: 630 V / 27.5 A UL: 300 V / 20 A



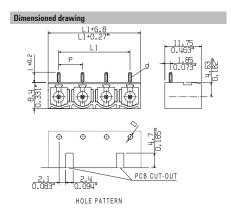
For additional articles and information, refer to eshop.weidmueller.com

Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
 In accordance with IEC 61984, OMNIMATE-connectors are
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SL 7.62HP/270G





Technical data

| lechnical data | | | | |
|-------------------------------|---------------|------|----------|------|
| In compliance with IEC 60664- | 1 / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 27.5 | | 25 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.0 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| × | BLZ/SL KO OR BX | 1573010000 | | |
| | BLZ/SL KO BK BX | 1545710000 | | |
| | | | | |

Ordering data

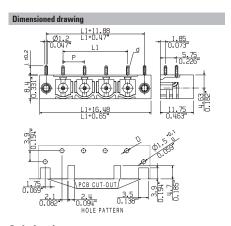
| Solder pi | n length | | | 3.2 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1472240000 |
| 3 | 15.24 | 0.600 | 100 | 1472250000 |
| 4 | 22.86 | 0.900 | 100 | 1472260000 |
| 5 | 30.48 | 1.200 | 50 | 1472270000 |
| 6 | 38.10 | 1.500 | 50 | 1472280000 |
| 7 | 45.72 | 1.800 | 50 | 1472290000 |
| 8 | 53.34 | 2.100 | 50 | 1472310000 |
| 9 | 60.96 | 2.400 | 50 | 1472320000 |
| 10 | 68.58 | 2.700 | 50 | 1472330000 |
| 11 | 76.20 | 3.000 | 50 | 1472340000 |
| 12 | 83.82 | 3.300 | 50 | 1472350000 |
| | | | | |



0.112 Weidmüller ₹ 2977770000

SL 7.62HP/270LF





Ordering data

| 0.11 | | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.2 mm |
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1472360000 |
| 3 | 15.24 | 0.600 | 100 | 1472370000 |
| 4 | 22.86 | 0.900 | 100 | 1472380000 |
| 5 | 30.48 | 1.200 | 50 | 1472390000 |
| 6 | 38.10 | 1.500 | 50 | 1472410000 |
| 7 | 45.72 | 1.800 | 50 | 1472420000 |
| 8 | 53.34 | 2.100 | 50 | 1472430000 |
| 9 | 60.96 | 2.400 | 50 | 1472440000 |
| 10 | 68.58 | 2.700 | 50 | 1472450000 |
| 11 | 76.20 | 3.000 | 50 | 1472460000 |
| 12 | 83.82 | 3.300 | 50 | 1472470000 |
| | | | | |

2977770000 **Weidmüller № 0.113**

SLF 7.76HP/../180 SH



 180° inverted male header with PUSH IN connection technology for field wiring in 2.5 mm² with a 7.62 pitch. Also ideal as a touch-safe solution for inverse voltages. Meets the requirements of UL1059 600 V class C and IEC 61800-5-1.

Variants: available without flange, with external flange, with release latch.

Including pre-assembled pluggable shield connection for large area shielding in your application.

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm² UL: 600 V / 20 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

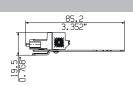
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

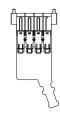
SLF 7.62HP/../180FSH160











Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | | | |
|----------------------------------|-----------------|--------|-----------|------|
| Clamping range, max. | mm ² | (| 0.082. | 5 |
| Solid core H05(07) V-U | mm² | 0.52.5 | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.52.5 | , |
| Flexible with ferrule | mm ² | | 0.51.5 | , |
| Ferrule with plastic collar | mm ² | | 0.51.5 | , |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | 1 | 3.6 x 3.5 | 5 |
| According to norm | | DI | N 5264 | -A |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 23.8 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 1000 | 1000 |
| Rated impulse voltage | kV | 6 8 6 | | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Coding | | Order No. | |
| 20 35 | BV/SV 7.62HP KO | 1937590000 | |
| | | | |
| • | | | |
| Screwdriver | | | |
| P | SDS 0.6X3.5X100 | 2749340000 | |
| | SDIS 0.6X3.5X100 | 2749810000 | |
| / | | | |
| | | | |

Ordering data

| Solder p | ın length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 22.86 | 0.900 | 40 | 2632730000 |
| | | | | |

FRONT PLATE CUT-OUT 2:1



SLF 7.62HP/../180FSH180

SLF 7.62HP/../180FSH200



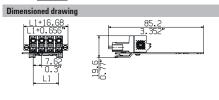




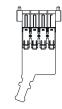
Dimensioned drawing

L1+16.68
L1+0.656
3.287"

7.69
0.31
L1





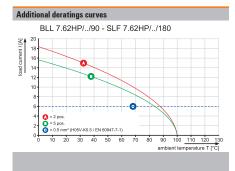


Ordering data

| | • | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 22.86 | 0.900 | 40 | 2614140000 |

Ordering data

| Some him | iengui | | | |
|----------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 22.86 | 0.900 | 40 | 2632770000 |
| | | | | |



Weidmüller 🏖 0.115

SLF 7.76HP/../180 SH



180° inverted male header with PUSH IN connection technology for field wiring in 2.5 mm² with a 7.62 pitch. Also ideal as a touch-safe solution for inverse voltages. Meets the requirements of UL1059 600 V class C and IEC 61800-5-1.

Variants: available without flange, with external flange, with release latch.

Including pre-assembled pluggable shield connection for large area shielding in your application.

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm² UL: 600 V / 20 A / AWG 20 - 12

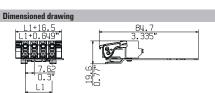


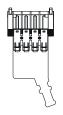
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SLF 7.62HP/../180LRSH160







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|--------|-----------|------|
| Clamping range, max. | mm ² | (| 0.082. | 5 |
| Solid core H05(07) V-U | mm ² | 0.52.5 | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.52.5 | , |
| Flexible with ferrule | mm ² | | 0.51.5 | ; |
| Ferrule with plastic collar | mm ² | | 0.51.5 | , |
| Stripping length | mm | | 10 | |
| Screwdriver blade | mm | - 1 | 0.6 x 3.5 | 5 |
| According to norm | | D | IN 5264 | -A |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 23.8 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 1000 | 1000 |
| Rated impulse voltage | kV | 6 | 8 | 6 |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

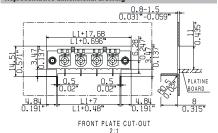
Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Coding | | Order No. | |
| 20 35 | BV/SV 7.62HP KO | 1937590000 | |
| | | | |
| • | | | |
| Screwdriver | | | |
| P | SDS 0.6X3.5X100 | 2749340000 | |
| | SDIS 0.6X3.5X100 | 2749810000 | |
| / | | | |
| | | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 22.86 | 0.900 | 40 | 2632780000 |
| | | | | |

Representative dimensional drawing



Representative deratings curve





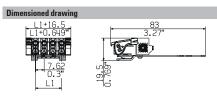


SLF 7.62HP/../180LRSH180

SLF 7.62HP/../180LRSH200



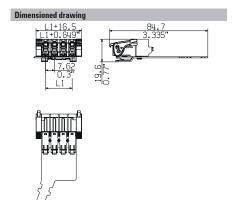






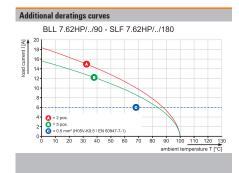
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 22.86 | n gnn | 40 | 2614190000 |



Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 22.86 | 0.900 | 40 | 2632790000 |



2977770000 **Weidmüller ₹ 0.117**

SLF 7.62HP/../180



Male plug with PUSH IN spring connection in 180° outlet direction. Also perfect for finger-safe solutions involving inverse voltages.

Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC systems.

 Available with screw flange (F) and lock and releaselevers (LR).

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm² UL: 600 V / 20 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

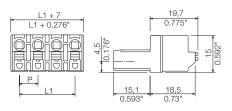
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SLF 7.62HP/../180G





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------|------------------------------------------------------------------|------------------|
| Clamping range, max. | mm ² | (| 0.082. | 5 |
| Solid core H05(07) V-U | mm² | | 0.52.9 | , |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.52.5 | | |
| Flexible with ferrule | mm ² | 0.51.5 | | |
| Ferrule with plastic collar | mm ² | 0.51.5 | | |
| Stripping length | mm | 10 | | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 23.8 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | Ш | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 1000 | 1000 |
| Rated impulse voltage | kV | 6 | 8 | 6 |
| III / CIII /IIaa Craum) | | R | C | D |
| UL / CUL (Use Group) | | ט | | |
| Rated voltage | V | 600 | 600 | 600 |
| , ,, | V A | | 600 20 | 600 5 |
| Rated voltage | - | 600 | - | |
| Rated voltage Rated current AWG conductor CSA (Use Group) | A AWG | 600 20 B | 20 | 5 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | A | 600 20 B 600 | 20 20-12 | 5 D 600 |
| Rated voltage Rated current AWG conductor CSA (Use Group) | A AWG V A | 600 20 B | 20 20-12 C | 5 D |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG | 600 20 B 600 | 20 20-12 C 600 | 5 D 600 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG V A | 600 20 B 600 | 20 20-12 C 600 20 | 5 D 600 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG V A | 600 20 B 600 | 20 20-12 C 600 20 20-12 | 5 D 600 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG V A | 600 20 B 600 | 20 20-12 C 600 20 20-12 PBT V-0 | 5 D 600 5 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG V A | 600 20 B 600 | 20 20-12 C 600 20 20-12 PBT V-0 Cu-alloy | 5 D 600 5 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A | 600 20 B 600 | 20 20-12 C 600 20 20-12 PBT V-0 | 5 D 600 5 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | A AWG V A | 600 20 B 600 | 20 20-12 C 600 20 20-12 PBT V-0 Cu-alloy | 5 D 600 5 |
| Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A AWG | 600 20 B 600 | 20 20-12 C 600 20 20-12 PBT V-0 Cu-alloy | 5 D 600 5 |

Accessories

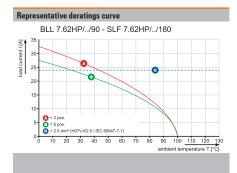
| Coding | | Order No. |
|-------------|-----------------|------------|
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| . , | | |
| Screwdriver | | |
| A | SDS 0.6X3.5X100 | 2749340000 |
| | | |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 126 | 1043590000 |
| 3 | 15.24 | 0.600 | 84 | 1043600000 |
| 4 | 22.86 | 0.900 | 60 | 1043610000 |
| 5 | 30.48 | 1.200 | 48 | 1043620000 |
| | | | | |







SLF 7.62HP/../180F

SLF 7.62HP/../180LR



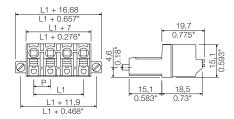


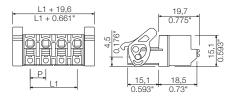










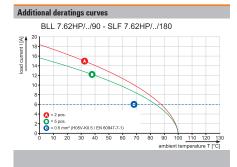


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1043670000 |
| 3 | 15.24 | 0.600 | 54 | 1043680000 |
| 4 | 22.86 | 0.900 | 42 | 1043690000 |
| 5 | 30.48 | 1.200 | 36 | 1043700000 |

Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1043750000 |
| 3 | 15.24 | 0.600 | 54 | 1043760000 |
| 4 | 22.86 | 0.900 | 42 | 1043770000 |
| 5 | 30.48 | 1.200 | 36 | 1043780000 |



Weidmüller ₹ 0.119 2977770000

BLZ 7.62HP/../180



Female plug with clamping yoke screw connection in 180° outlet direction. Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC(S) systems.

 Available with lock and release-levers (LR) and screw flange on request.

Product data

IEC: 630 V / 29 A / 0.2 - 4 mm² UL: 600 V / 20 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note

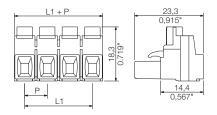
- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLZ 7.62HP/../180





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|--------|-----------|------|
| Clamping range, max. | mm ² | | 0.084 | |
| Solid core H05(07) V-U | mm ² | | 0.24 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.24 | |
| Flexible with ferrule | mm ² | 0.22.5 | | , |
| Ferrule with plastic collar | mm ² | 0.22.5 | | , |
| Stripping length | mm | 7 | | |
| Screwdriver blade | mm | | 9.6 x 3.5 | 5 |
| According to norm | | - | DIN 526 | 4 |
| Tightening torque range | Nm | | 0.40.5 | ; |
| Rated current, max. | Α | 29 | | 25 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 500 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Coding | | Order No. |
|---------------|-------------------------------------|--------------------------|
| 89 (10)(92) | BLZ/SL KO OR BX | 1573010000 |
| | BLZ/SL KO BK BX | 1545710000 |
| | | |
| | | |
| Screwdriver | | |
| Screwdriver | SDS 0.6X3.5X100 | 2749340000 |
| Screwdriver - | SDS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749340000 2749810000 |

Ordering data

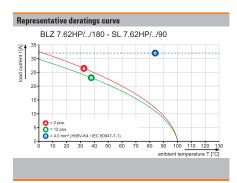
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1059580000 |
| 3 | 15.24 | 0.600 | 100 | 1059590000 |
| 4 | 22.86 | 0.900 | 100 | 1059600000 |
| 5 | 30.48 | 1.200 | 50 | 1049010000 |
| 6 | 38.10 | 1.500 | 50 | 1049020000 |
| 7 | 45.72 | 1.800 | 50 | 1059610000 |
| 8 | 53.34 | 2.100 | 50 | 1049030000 |
| 9 | 60.96 | 2.400 | 50 | 1059620000 |
| 10 | 68.58 | 2.700 | 50 | 1059630000 |
| 11 | 76.20 | 3.000 | 50 | 1059640000 |
| 12 | 83.82 | 3.300 | 18 | 1059670000 |











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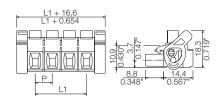
BLZ 7.62HP/../180LR





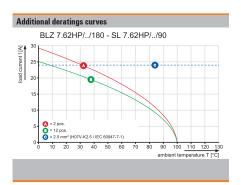


Dimensioned drawing



Ordering data

| Orucini | juutu | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | black |
| Pitch | 7.62 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 1093430000 |
| 3 | 15.24 | 0.600 | 45 | 1093440000 |
| 4 | 22.86 | 0.900 | 35 | 1093450000 |
| 5 | 30.48 | 1.200 | 30 | 1093460000 |
| 6 | 38.10 | 1.500 | 25 | 1164960000 |
| 7 | 45.72 | 1.800 | 20 | 1164970000 |
| 8 | 53.34 | 2.100 | 20 | 1164980000 |
| 9 | 60.96 | 2.400 | 15 | 1164990000 |
| 10 | 68.58 | 2.700 | 15 | 1165000000 |
| 11 | 76.20 | 3.000 | 15 | 1165010000 |
| 12 | 83.82 | 3.300 | 15 | 1165020000 |



2977770000 **Weidmüller ₹ 0.121**

BLF 7.62HP/../180



Female plug with PUSH IN spring connection in 180 $^{\circ}$ outlet direction. Complies with UL1059 600 V Use Group C and IEC 61800-5-1 requirements for 3 mm of finger safety on 400 V TNC(S) systems.

 Available with screw flange (F) and lock and releaselevers (LR).

Product data

IEC: 1000 V / 29 A / 0.5 - 2.5 mm² UL: 600 V / 20 A / AWG 20 - 12



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Additional variants on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLF 7.62HP/../180

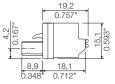
with test point











Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|-----------|----------|------|
| Clamping range, max. | mm ² | (| 0.082. | 5 |
| Solid core H05(07) V-U | mm ² | | 0.51.! | 5 |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.52.5 | | |
| Flexible with ferrule | mm ² | 0.52.5 | | |
| Ferrule with plastic collar | mm ² | 0.52.5 | | |
| Stripping length | mm | 10 | | |
| Screwdriver blade | mm | 0.6 x 3.5 | | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 29 | | 23.8 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 2.5 | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 1000 | 1000 |
| Rated impulse voltage | kV | 6 | 8 | 6 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 20 | 20 | 5 |
| AWG conductor | AWG | | 20-12 | |
| General data | | | | |
| Type of insulation material | | | PBT | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

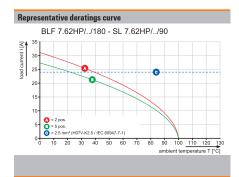
| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Screwdriver | | Order No. | |
| (A) | SDS 0.5X3.0X80 | 2749330000 | |
| 1 | SDIS 0.5X3.0X100 | 2749800000 | |
| | | | |
| Pressing tool | | | |
| | PZ 6/5 | 9011460000 | |
| | - | | |
| | | | |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 120 | 1043830000 |
| 3 | 15.24 | 0.600 | 78 | 1043840000 |
| 4 | 22.86 | 0.900 | 60 | 1043850000 |
| 5 | 30.48 | 1.200 | 48 | 1043860000 |
| 6 | 38.10 | 1.500 | 36 | 1227340000 |
| 7 | 45.72 | 1.800 | 30 | 1227350000 |
| 8 | 53.34 | 2.100 | 30 | 1227360000 |
| 9 | 60.96 | 2.400 | 24 | 1227370000 |
| 10 | 68.58 | 2.700 | 24 | 1227380000 |
| 11 | 76.20 | 3.000 | 18 | 1227390000 |
| 12 | 83.82 | 3.300 | 18 | 1227410000 |







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BLF 7.62HP/../180F

with test point







Dimensioned drawing

BLF 7.62HP/../180LR

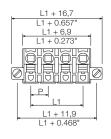
with test point

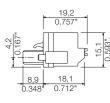




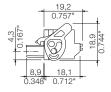


Dimensioned drawin







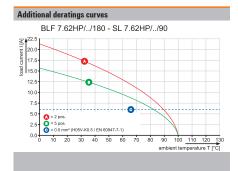


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1043910000 |
| 3 | 15.24 | 0.600 | 54 | 1043920000 |
| 5 | 22.86 | 0.900 | 42 | 1043930000 |
| 5 | 30.48 | 1.200 | 36 | 1043940000 |
| 6 | 38.10 | 1.500 | 30 | 1227490000 |
| 7 | 45.72 | 1.800 | 24 | 1227510000 |
| 8 | 53.34 | 2.100 | 24 | 1227520000 |
| 9 | 60.96 | 2.400 | 18 | 1227530000 |
| 10 | 68.58 | 2.700 | 18 | 1227540000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1043990000 |
| 3 | 15.24 | 0.600 | 54 | 1044000000 |
| 4 | 22.86 | 0.900 | 42 | 1044010000 |
| 5 | 30.48 | 1.200 | 36 | 1044020000 |
| 6 | 38.10 | 1.500 | 30 | 1227420000 |
| 7 | 45.72 | 1.800 | 24 | 1227430000 |
| 8 | 53.34 | 2.100 | 24 | 1227440000 |
| 9 | 60.96 | 2.400 | 18 | 1227450000 |
| 10 | 68.58 | 2.700 | 18 | 1227460000 |



2977770000 **Weidmüller ₹ 0.123**

BLL 7.62HP/../90



Touch-safe female header with 90° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and comes with UL approval in accordance with UL508-5-1 / UL840 for 600 V. An ideal touch-safe solution for power output and DC-link applications. The pin arrangement ensures more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Variants: flange and solder flange fastening.

Product data

IEC: 630 V / 24 A UL: 300 V / 20 A



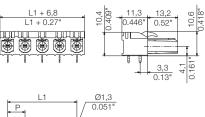
For additional articles and information, refer to eshop.weidmueller.com

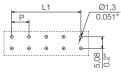
- Additional variants on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BLL 7.62HP/../90G









Technical data

| iechnicai data | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 24 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 630 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 20 | 20 | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 20 | 20 | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 0 | .4 x 1.0 | 10 |
| Solder eyelet Ø = D | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

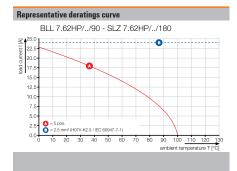
Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder pi | 3.2 mm | | | |
|-----------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 126 | 1043230000 |
| 3 | 15.24 | 0.600 | 84 | 1043240000 |
| 4 | 22.86 | 0.900 | 60 | 1043250000 |
| 5 | 30.48 | 1.200 | 48 | 1043260000 |
| | | | | |





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BLL 7.62HP/../90F

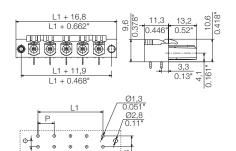
BLL 7.62HP/../90LF



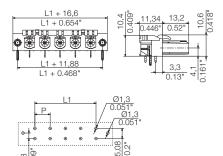




Dimensioned drawing



Dimensioned drawin



Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|----------|--------------------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.00 | | | |
| 4 | 7.62 | 0.300 | 72 | 1043270000 |
| 3 | 15.24 | 0.300 | 72 54 | 1043270000 1043280000 |
| | | | | |

Ordering data

| Solder pin | 3.2 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1095640000 |
| 3 | 15.24 | 0.600 | 54 | 1095650000 |
| 4 | 22.86 | 0.900 | 42 | 1095660000 |
| 5 | 30.48 | 1.200 | 36 | 1095670000 |

Additional deratings curves BLL 7.62HP/../90 - SLZ 7.62HP/../180 BLL 7.62HP/../90 - SLZ 7.62HP/../180 State of the stat

2977770000 **Weidmüller ₹ 0.125**

BLL 7.62HP/../180



Touch-safe female header with 180° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and comes with UL approval in accordance with UL508-5-1 / UL840 for 600 V. An ideal touch-safe solution for power output and DC-link applications. The pin arrangement ensures more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Variants: flange and solder flange fastening.

Product data

IEC: 630 V / 24 A UL: 300 V / 20 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

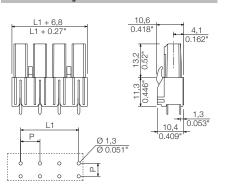
- Additional variants on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BLL 7.62HP/../180G





Nimensioned drawin



Technical data

| lecillical uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 24 | | 24 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 400 | 630 | 630 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 20 | 20 | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 150 | 300 |
| Rated current | Α | 20 | 20 | 10 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | 0 | .4 x 1.0 | 10 |
| Solder eyelet Ø = D | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

Note: Refer to the Accessories chapter for additional accessories

Ordering data

| Solder p | 3.2 mm | | | |
|----------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 126 | 1122070000 |
| 3 | 15.24 | 0.600 | 84 | 1122080000 |
| 4 | 22.86 | 0.900 | 60 | 1122090000 |
| 5 | 30.48 | 1.200 | 48 | 1122100000 |

°|(\$ **7.62**



0.126 Weidmüller ₹ 2977770000

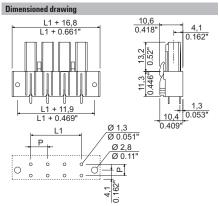
BLL 7.62HP/../180F

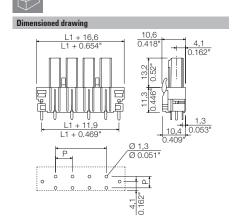
BLL 7.62HP/../180LF











Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1122110000 |
| 3 | 15.24 | 0.600 | 54 | 1122120000 |
| 4 | 22.86 | 0.900 | 42 | 1122130000 |
| 5 | 30.48 | 1.200 | 36 | 1122140000 |

Ordering data

| Solder pi | 3.2 mm | | | |
|-----------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 72 | 1134080000 |
| 3 | 15.24 | 0.600 | 54 | 1134090000 |
| 4 | 22.86 | 0.900 | 42 | 1134110000 |
| 5 | 30.48 | 1.200 | 36 | 1134120000 |

Additional deratings curves BLL 7.62HP/../90 - SLZ 7.62HP/../180 BLL 7.62HP/../90 - SLZ 7.62HP/../180 Suppose the suppose of the suppose o

2977770000 **Weidmüller ₹ 0.127**

OMNIMATE® Power BV/SV 7.62HP – power class from 6 mm² and 41 A Custom-fit high-powered solutions

More power reserves for more load capacity: The OMNIMATE® Power SV / BV 7.62HP mid-level class of power connection systems is the top performer of the HP series. It features a large clamping range, increased overload capacity and the widest selection of variants and accessories.



HP means High Performance – this performance covers a great deal: the full rated current up to 50 °C without derating, unlimited 600 V approval according to UL, and the additional finger safety for 400 V-TN systems (+ 3.0 mm) in compliance with the application directive IEC 61800-5-1.



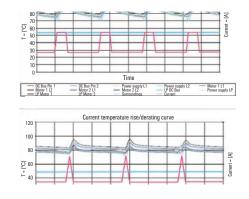
Maximum safety

Safe for both man and machine with bidirectional finger safety: also when not plugged in and covering inverse voltages from power electronics



Maximum performance

Full current rating at 40 °C ambient temperature is a mandatory requirement in drive applications. What really makes the difference here is real-world, application-based overload and overheating capacities.



Maximum user-friendliness

Quick, simple plug and release: with the onehanded safety flange – convenient for the user and safe for the application.





High system performance

An overview of the 28-kVA class of OMNIMATE® Power: The HP system has been leading the way with its tool-free rapid interlock, installation-safe creepage and clearance distances, and application-based versioning scheme. This integrated strategy of system expansion includes a one-handed safety flange and wide range of innovative extras.



Individualised configuration

Standard + Services = custom design with simple configuration across the entire range of services: features include colour coding, application-oriented labelling and custom modifications or design.



2977770000 **Weidmüller ₹ 0.129**

Convenient connection of stripped short wiresOMNIMATE® Power with openable PUSH IN connection

Shielded cables for power electronics are stripped as short as possible for reasons of electromagnetic compatibility (EMC). Connection with large PUSH IN connectors is correspondingly complex. The same applies to cables with small cross-sections where often a "third hand" is missing or the use of special tools gets necessary.

Our BVFL 7.62HP simplifies and accelerates this process without the need of special tools. The combination of PUSH IN connection technology and a Pusher which can be locked in the open position allows an easy insertion of short stripped cables or of thin wires into the open terminal point. Subsequently, by pushing the pusher sideways with the hand, you can simply unlock the pusher.

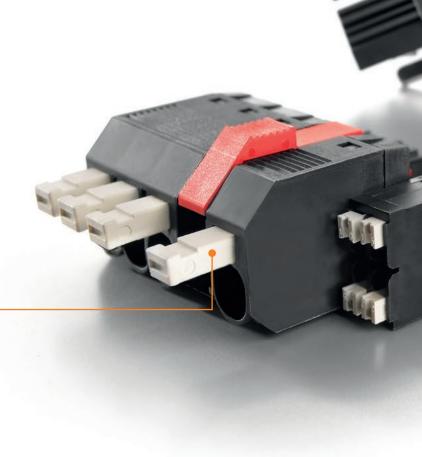
The proven PUSH IN function remains unrestricted, while the in open position fixed terminal point allows a comfortable and easy connection under difficult conditions. Make use of the significant time savings to reduce your installation costs.

Large PUSH IN connector, small wire cross-section

Even with ferrules, because of the high flexibility it is difficult to insert conductors with a low cross section into these connector. Our simple solution in three steps:

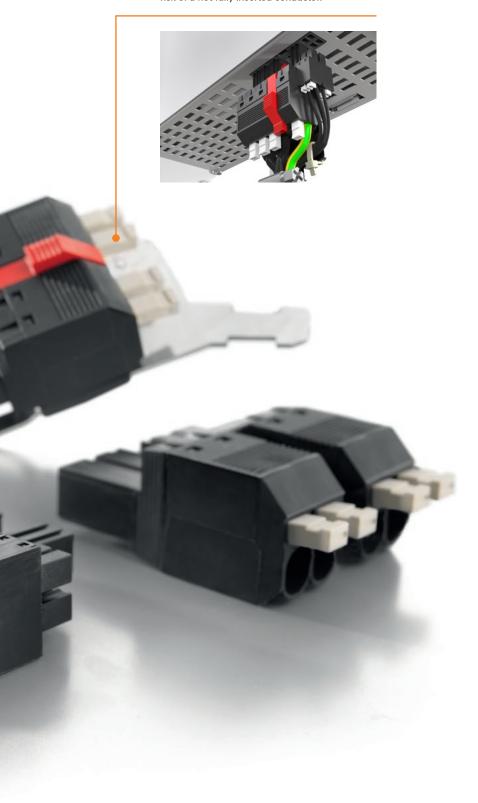
- 1) Open the terminal point
- 2) Insert conductors
- 3) Close the terminal point using sideways pressure





Short-stripped wires

The PUSH IN connector with a pusher in an open fixed position allows a quick and easy wiring without special tools. It also avoids the risk of a not fully inserted conductor.



Your special advantages:

More advantages in handling, reduced installation costs

As the only PUSH IN connector so far available on the market, our BVFL 7.62HP has a special clamping point that can be locked in the open position.



Work quickly while avoiding errors convenient connectivity solutions with latchable open terminal point reduces the installation time in the field significantly for example in frequency inverters

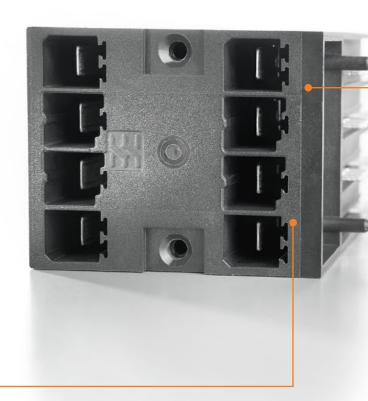
2977770000 **Weidmüller 3 9.131**

Implement complex supply solutions in the smallest of spaces OMNIMATE® Power – the compact, two-row connection solution

The demand for ever-smaller drive regulators with increasingly high performance ratings requires complex solutions in terms of the connection systems. The major challenge here is ensuring compliance with the existing standards.

The new double-level OMNIMATE® Power SVD 7.62HP male header minimises the amount of space required on the PCB, thereby creating space for other components. This extra space can be used for the integration of additional functions on the front of the device.

The two connection levels mean that the SVD 7.62HP can be used to implement complex solutions in extremely small spaces. Device widths of just 50 mm are sufficient to supply 2 motors, while still meeting the approval criteria in accordance with UL 600 V.



Optional cable shielding

The combination with the BVF 7.62HP ensures a reliable connection between the cable shielding and the device housing, thereby guaranteeing high EMC safety. The screw mount is easy to operate, and meets all requirements in the field.



32 Weidmüller ₹ 2977770000

The OMNIMATE® Power series for versatile combination options

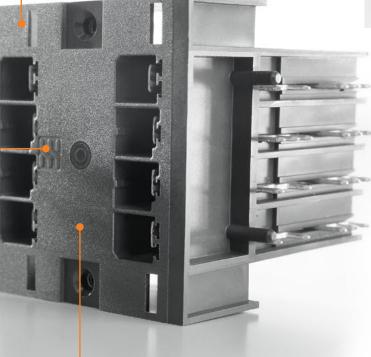
The new SVD 7.62HP can be combined with all BVZ 7.62HP and BVF 7.62HP female plugs in the OMNIMATE® Power series.



Solutions with PUSH IN connection

Can be implemented in combination with female plug BVF (BVFL) 7.62HP. For especially quick and easy installation without the need for tools. Available with or without flange fastening – optional with screw flange.





Solutions with screw connections

Can be implemented in combination with female plug BVZ 7.62HP. Available without extra fastening or, optionally, as a flange design – e. g. for applications in medium-voltage systems.



Your special advantages:

More design flexibility for the front of the device and the PCB

The superior solution for when multiple axes need to be plugged into the device in a very small space. Despite the very compact dimensions, the cable shielding can be connected to the front of the device.



With servo regulators in particular, the SVD 7.62HP allows for more complexity than ever before, thanks to the two connection levels for female plugs with conventional screw connection or PUSH IN connection technology. With additional flange fastening on request, and with the option of connecting the cable shielding to the device housing.

2977770000 **Weidmüller € 0.133**

Safe-to-touch, solid and pluggable

Our feed-through terminals also support thick housing walls

A cable feed-through connection for housing or cabinet walls should be robust and easy to handle. This claim gets fast to a challenge when we talk about the thickness of

die-cast aluminium housings.

Our pluggable panel feed-through connection SVF 7.62HP SFMF (SFBMF) in IP 20 copes this job perfectly. Thanks to the two-sided finger safety clearance of 3 mm, this solution can be used safely even in applications with backwards voltages and is therefore suitable for use in an industrial environment without an inverted mating profile. One hand is enough to plug the counterpart BVF 7.62HP 180 MF and to latch them.

Feel free to use this universal plug device at control cabinets. Or use it for the power-input and power-output connection of electronic housings.



Pin number extension to > 4 pins

Use our SVF/BVF 7.62HP COUPLE SET for extensions. Each of the two mating partners can thus be connected back-to-back to a 2-row connector with a maximum of 2 x 4 poles.



0.134 Weidmüller ₹ 2977770000

One-handed operation with locking

The mating partner BVF 7.62HP impresses with its one-hand operation and automatic snap-in. If required by a directive, it can be optionally secured with an additional screw.



Panel feed-through up to 16 mm as per UL

Without additional measures for maintaining the clearance and creepage distances as per UL, two versions for walls up to 2 mm or up to 16 mm are available. The maximum wire cross section is AWG 8 or 10 mm².





Your special advantages:

Back-to-back

Our plug-in panel feed-through is particularly impressive with automatic locking and the ability to couple two plug-in mating partners.



Our flexible, plug-in supply connections reduce installation and service costs in the signal range up to 41 A. They thus address the much increased demands in the field of signal processing devices, such as photovoltaic inverters.

2977770000 **Weidmüller 3 9.135 9.135 9.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135 1.135**

Flexible power distribution to multiple devices

OMNIMATE® Power connectors with cross-connection for devices

Power electronic devices should be easy and economical to install. It is often needed to connect several devices to the power supply. This is the case, for example, with energy recovery using DC-Link in the intermediate circuit for drives, where several drives are connected.

OMNIMATE® Power BVDF bus connectors have two connections per pole and a time-saving 6 mm² PUSH IN connection. This innovative feature allows easy connection of multiple devices during installation. The connector is available in different versions: laterally closed, with flange, or screw/locking flange. Each of them are available in two to eight pole versions

Your special advantages:

- Safe transmission of bus currents due to integrated cross-connection
- Time-saving connection of solid conductors and conductors with wire end ferrules due to PUSH IN connection
- One pole width less compared to conventional solutions due to self-locking centre flange



Weidmüller ₹ 2977770000

Simple device integration

BVDF bus connectors are plug-in compatible with pin headers of the SV series. This allows a flexible selection of connectors for the use of devices: BVF standard connectors for single devices, BVDF connectors for multiple connected devices.

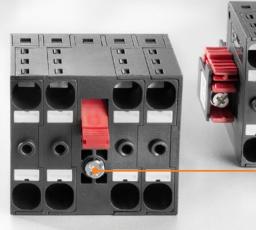


Quick and easy installation

Components with PUSH IN technology reduce the connection time by up to 50%. The conductor is simply inserted into the clamping point up to the stop and a safe and gas-tight connection is established - without any tools.







High safety level

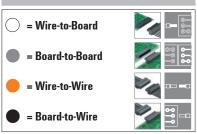
The self-locking central flange and the lateral locking flange of the BVDF connectors have an additional screw fastening. It ensures reliable grip - even with tight bending radii of the connected conductors.

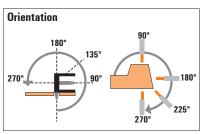


Weidmüller ₹ 0.137 2977770000

Type

http://www.OMNIMATE.net









SV- SMT



 \bigcirc



SVD

BV/SV 7.62 series

|--|

| Urlentation | | | 90° /180°/270° | 90° /180°/270° | 270° | |
|-------------|------------|----------------------|------------------|-------------------|----------------|--|
| Flan | nge optior | ıs | G/F/SF/MF/ MSF | G/F/SF/MF/ MSF | G/F | |
| | | Product code numbers | | IEC: 1.000 V/41 A | | |
| | | | UL: 300 V/40.5 A | UL: 300 V/40.5 A | UL: 300 V/30 A | |

| | Screw | 1 |
|-------------|------------------|---|
| | Clamping yoke | 1 |
| | | |
| Female plug | | 4 |
| | | |

| -1260 | | | | |
|-------|-----|------|--------|---------------------------------------------------------------------------|
| | BVZ | 180° | FC/SFC | IEC: 1.000 V/57 A/0.2 - 10 mm ² UL: 600 V/40.5 A/AWG 24 - 8 |

BVZ 180° (G)/F/SF

BVZ 180° SH... C



IEC: 1.000 V/57 A/0.2 - 10 mm² BVZ 180° SH... UL: 600 V/40.5 A/AWG 24 - 8



IEC: 1.000 V/57 A/0.2 - 10 mm² UL: 600 V/40.5 A/AWG 24 - 8

IEC: 1.000 V/57 A/0.2 - 10 mm²

UL: 600 V/40.5 A/AWG 24 - 8



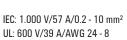
| BVF 180° (G)/F/SF/ IEC: 1.000 V/5 | 7 A/0.2 - 10 mm² |
|-----------------------------------|------------------|
| MF/MSF UL: 600 V/39 A | A/AWG 24 - 8 |















(G)/SF/ **BVFL** 180° MF/MSF IEC: 600 V/46 A/0,5 - 10 mm² UL: 600 V/35 A/AWG 24 - AWG 8







BVL 90° (G)/FI/SFI

IEC: 1.000 V/41 A UL: 300 V/35 A





180° (G)/FI/SFI

IEC: 1.000 V/41 A UL: 300 V/35 A



BVL 270° (G)/FI/SFI

IEC: 1.000 V/41 A UL: 300 V/35 A

Female plug and header:

- (G) = Closed (without flange)
- **F** = Flange with clasp
- SF = Flange with clasp and additional screw
- **SFC** = Flange with clasp and additional screw
- FI = Inverted flange with clasp
- SFI = Inverted flange with clasp and additional screw
- FC = Flange with clasp
- SH... = Shielded flange with additional nut

 $\mathbf{SH...}\ \mathbf{C} = \mathbf{Shielded}\ \mathbf{flange}\ \mathbf{with}\ \mathbf{additional}\ \mathbf{screw}$

MF = Centre flange for clasp

MSF = Centre flange for clasp with additional nut

Spring PUSH IN SVF SVF SVF SVFL 180° 180° 180° 180° MF/MSF/SFMF/SFBMF G/F/SF G/FI/SFI G/F/MF IEC: 1.000 V/41 A/ IEC: 1.000 V/41 A/ IEC: 1.000 V/41 A/ IEC: 1.000 V/41 A/ 0.5 - 10 mm² 0.5 - 10 mm² 0.5 - 10 mm² A/ 0.5 - 10 mm² UL: 600 V/36 A/ UL: 600 V/36 A/ UL: 600 V/36 A/ UL: 600 V/36 A/ AWG 24 - 10 AWG 24 - 10 AWG 24 - 10 AWG 24 - 10

Male plug

Male header and plug:

- **G** = Closed (without flange)
- **F** = Flange with clasp
- **SF** = Flange with clasp and additional screw
- FI = Inverted flange with clasp
- SFI = Inverted flange with clasp and additional screw
- FC = Flange with clasp
- SFC = Flange with clasp and additional screw
- **SH...** = Shielded flange with additional nut

MF = Centre flange for clasp

MSF = Centre flange for clasp with additional nut

SV-SMT 7.62HP/../90



Male header with 90° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of finger safety in accordance with IEC 61800-5-1.

Maximum operational reliability thanks to derating up to 125°C, a 100% failsafe pin arrangement, unique coding diversity and additional fastening.

Variants: flange, screw flange and middle flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 40.5 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV-SMT 7.62HP/../90G Box





0.8x0.8 0.031x0.031 HOLE PATTERN

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|--|
| Coding | | Order No. | | | |
| 22 DE | BV/SV 7.62HP KO | 1937590000 | | | |
| - | | | | | |
| . , | | | | | |

Ordering data

| Solder pin | length | | | 2.6 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 120 | 2499320000 |
| 3 | 15.24 | 0.600 | 78 | 2499500000 |
| 4 | 22.86 | 0.900 | 60 | 2499550000 |
| 5 | 30.48 | 1.200 | 48 | 2499560000 |

Technical data

| In compliance with IEC 60664-1 / IEC 61984 | | | | | | |
|--------------------------------------------|----------------------|-----------|-------|------|--|--|
| Clamping range, max. | | | | | | |
| Solid core H05(07) V-U | | | | | | |
| Stranded H07 V-R | | | | | | |
| Flexible H05(07) V-K | | | | | | |
| Flexible with ferrule | | | | | | |
| Ferrule with plastic collar | | | | | | |
| Stripping length | | | | | | |
| Screwdriver blade | mm | | | | | |
| According to norm | | | | | | |
| Tightening torque range | | | | | | |
| Rated current, max. | Α | 41 | | 41 | | |
| At ambient temperature | | 20°C | | 40°C | | |
| For conductor cross-section | | | | | | |
| Overvoltage category | | III | Ш | II | | |
| Pollution severity | | 3 | 2 | 2 | | |
| Rated voltage | V | 630 | 630 | 1000 | | |
| Rated impulse voltage | kV | 6 | 6 | 6 | | |
| UL / CUL (Use Group) | | В | C | D | | |
| Rated voltage | V | 300 | 300 | 300 | | |
| Rated current | Α | 40.5 | 40.5 | 10 | | |
| AWG conductor | AWG | | - | | | |
| CSA (Use Group) | | В | С | D | | |
| Rated voltage | V | | | | | |
| Rated current | Α | | | | | |
| AWG conductor | AWG | | - | | | |
| General data | | | | | | |
| Type of insulation material | | | PA 9T | | | |
| UL 94 flammability rating | | | V-0 | | | |
| Contact base material | ontaot baoo matoriai | | | 1 | | |
| Material of contact surface | | tinned | | | | |
| Pin dimensions = d | mm | 0.8 x 1.0 | | | | |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | | | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | | | |





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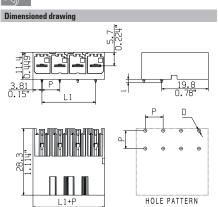
SV-SMT 7.62HP/../90G Tape

SV-SMT 7.62HP/../90F Box

SV-SMT 7.62HP/../90SF Box

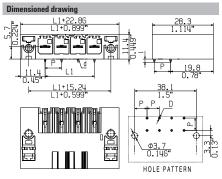






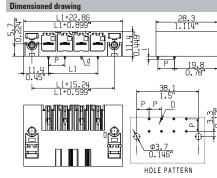












Ordering data

| Solder pin | length | | | 2.6 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 110 | 2545800000 |
| 3 | 15.24 | 0.600 | 110 | 2546110000 |
| 4 | 22.86 | 0.900 | 110 | 2546120000 |
| 5 | 30.48 | 1.200 | 110 | 2546130000 |

Ordering data

| Solder pin | length | | | 2.6 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 2499520000 |
| 3 | 15.24 | 0.600 | 48 | 2499570000 |
| 4 | 22.86 | 0.900 | 36 | 2499580000 |
| 5 | 30.48 | 1.200 | 50 | 2499590000 |

Ordering data

| Solder pin | length | | | 2.6 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 22.86 | 0.900 | 60 | 2499600000 |
| 3 | 15.24 | 0.600 | 48 | 2499610000 |
| 4 | 22.86 | 0.900 | 36 | 2499620000 |
| 5 | 30.48 | 1.200 | 30 | 2499630000 |
| | | | | |

SV-SMT 7.62HP/../90



Male header with 90° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of finger safety in accordance with IEC 61800-5-1.

Maximum operational reliability thanks to derating up to 125°C, a 100% failsafe pin arrangement, unique coding diversity and additional fastening.

Variants: flange, screw flange and middle flange fastening.

The high-temperature-resistant OMNIMATE® Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 40.5 A



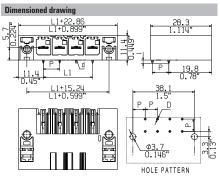
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV-SMT 7.62HP/../90SF Tape







Technical data

| iecillicai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | 300 |
| Rated current | Α | 40.5 | 40.5 | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to th | e Accessories chapter for additional access | sories. |
|-------------------|---------------------------------------------|------------|
| Coding | | Order No. |
| 20 35 | BV/SV 7.62HP KO | 1937590000 |
| | | |
| | | |

Ordering data

| Solder p | in length | | | 2.6 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 110 | 2545810000 |
| 3 | 15.24 | 0.600 | 110 | 2545950000 |
| 5 | 22.86 | 0.900 | 95 | 2545960000 |
| 5 | 15.24 | 0.600 | 95 | 2545970000 |



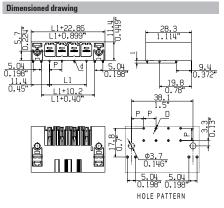
SV-SMT 7.62HP/../90LSF Box



SV-SMT 7.62HP/../90LF Box









HOLE PATTERN

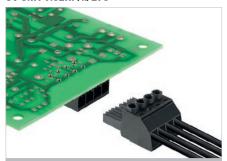
Ordering data

| Solder pi | n length | | | 2.6 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 50 | 2499640000 |
| 3 | 15.24 | 0.600 | 50 | 2499650000 |
| 4 | 22.86 | 0.900 | 50 | 2499660000 |
| 5 | 30.48 | 1.200 | 30 | 2499670000 |

Ordering data

| Solder pin | 2.6 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 2499680000 |
| 3 | 15.24 | 0.600 | 48 | 2499690000 |
| 4 | 22.86 | 0.900 | 36 | 2499700000 |
| 5 | 30.48 | 1.200 | 30 | 2499710000 |

SV-SMT 7.62HP/../270



Male header with 270° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures finger safety of >3 mm in accordance with IEC 61800-5-1. Maximum operational reliability thanks to derating up to 125°C, a 100% failsafe pin arrangement, unique coding diversity and additional fastening.

Variants: flange, screw flange and middle flange

In compliance with IEC 60664-1 / IEC 61984

Technical data

Clamping range, max. Solid core H05(07) V-U Stranded H07 V-R Flexible H05(07) V-K Flexible with ferrule Ferrule with plastic collar Stripping length Screwdriver blade

According to norm Tightening torque range Rated current, max. At ambient temperature For conductor cross-section Overvoltage category

Pollution severity Rated voltage

Rated voltage

Rated current

AWG conductor CSA (Use Group)

Rated voltage

Rated current AWG conductor

General data Type of insulation material

UL 94 flammability rating

Contact base material Material of contact surface

Pin dimensions = d

Solder eyelet Ø = D

Solder eyelet Ø tolerance

Rated impulse voltage

UL / CUL (Use Group)

The high-temperature-resistant OMNIMATE®, Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

mm

Ш

В

40.5

В C D

40.5 10

PA 9T

V-0 Cu-alloy

tinned

0.8 x 1.0

1.4

+ 0,1

٧ 630 630 1000

kV 6 6

٧

AWG

٧

 AWG

mm

mm

Ш

D

300

Product data

IEC: 1000 V / 41 A UL: 300 V / 40.5 A



For additional articles and information, refer to eshop.weidmueller.com

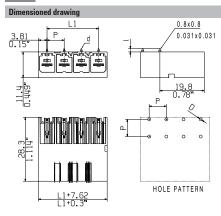
- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- · Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV-SMT 7.62HP/../270G Box





Ordering data



| Note: Refer to the | ne Accessories chapter for additional access | sories. |
|--------------------|----------------------------------------------|------------|
| Coding | | Order No. |
| 200 045 | BV/SV 7.62HP KO | 1937590000 |
| | | |
| | | |
| | | |

Accessories

| Solder pin | length | | | 2.6 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 120 | 2499330000 |
| 3 4 | 15.24 | 0.600 | 78 | 2499340000 |
| 4 | 22.86 | 0.900 | 60 | 2499350000 |
| 5 | 30.48 | 1.200 | 48 | 2499360000 |
| | | | | |



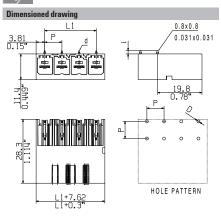
SV-SMT 7.62HP/../270G Tape

SV-SMT 7.62HP/../270F Box

SV-SMT 7.62HP/../270SF Box

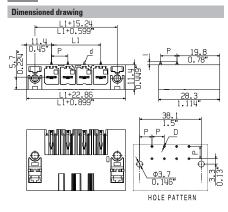






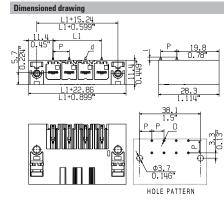












Ordering data

| | • | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 2.6 mm |
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 110 | 2546140000 |
| 3 | 15.24 | 0.600 | 110 | 2546150000 |
| 4 | 22.86 | 0.900 | 110 | 2546160000 |
| 5 | 30.48 | 1.200 | 110 | 2546170000 |

Ordering data

| Solder pin | length | | | 2.6 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 50 | 2499540000 |
| 3 | 15.24 | 0.600 | 50 | 2499910000 |
| 4 | 22.86 | 0.900 | 50 | 2499920000 |
| 5 | 30.48 | 1.200 | 50 | 2499930000 |

Ordering data

| Solder pin | | 2.6 mm | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 2499940000 |
| 3 | 15.24 | 0.600 | 48 | 2499950000 |
| 4 | 22.86 | 0.900 | 36 | 2499960000 |
| 5 | 38.10 | 1.800 | 30 | 2499970000 |

SV-SMT 7.62HP/../270



Male header with 270° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures finger safety of >3 mm in accordance with IEC 61800-5-1. Maximum operational reliability thanks to derating up to 125°C, a 100% failsafe pin arrangement, unique coding diversity and additional fastening.

Variants: flange, screw flange and middle flange

The high-temperature-resistant OMNIMATE®, Power male header with THR (through-hole reflow) technology, suitable for the SMT process.

Product data

IEC: 1000 V / 41 A UL: 300 V / 40.5 A



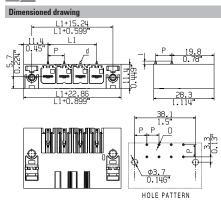
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV-SMT 7.62HP/../270SF Tape







Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | ļ. | | |
|----------------------------------|-----------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 300 |
| Rated current | Α | 40.5 | 40.5 | 10 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA 9T | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.4 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Coding | | Order No. | | | |
| 20 35 | BV/SV 7.62HP KO | 1937590000 | | | |
| | | | | | |
| | | | | | |

Ordering data

| Solder pi | in length | | | 2.6 mm |
|-----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 110 | 2546020000 |
| 3 | 15.24 | 0.600 | 110 | 2546030000 |
| 4 | 22.86 | 0.900 | 95 | 2546040000 |
| 5 | 30.48 | 1.200 | 95 | 2546050000 |





SV 7.62HP/../90



Male header with 90° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A UL: 300 V / 40.5 A



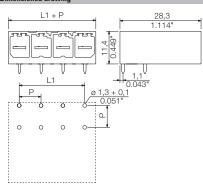
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1 mm starting with 8-pole
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../90G







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | - | D.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|--|
| Coding | | Order No. | | | |
| 20 101 | BV/SV 7.62HP KO | 1937590000 | | | |
| - | | | | | |
| - , | | | | | |

Ordering data

| | - | | | |
|-----------|----------|--------|------|------------|
| Solder pi | n length | | | 3.5 mm |
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 120 | 1930270000 |
| 3 | 15.24 | 0.600 | 78 | 1930280000 |
| 4 | 22.86 | 0.900 | 60 | 1930290000 |
| 5 | 30.48 | 1.200 | 48 | 1930300000 |
| 6 | 38.10 | 1.500 | 36 | 1930310000 |
| 7 | 45.72 | 1.800 | 30 | 1930320000 |
| 8 | 53.34 | 2.100 | 30 | 1930330000 |
| 9 | 60.96 | 2.400 | 24 | 1930340000 |
| 10 | 68.58 | 2.700 | 24 | 1930350000 |
| 11 | 76.20 | 3.000 | 18 | 1930360000 |
| 12 | 83.82 | 3.300 | 18 | 1930370000 |
| | | | | |





SV 7.62HP/../90F

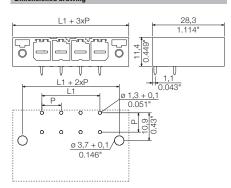
SV 7.62HP/../90SF



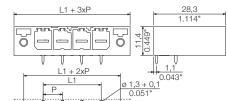












<u>Ø 3,7 + 0,1</u> 0.146"

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 1930380000 |
| 3 | 15.24 | 0.600 | 48 | 1930390000 |
| 4 | 22.86 | 0.900 | 36 | 1930400000 |
| 5 | 30.48 | 1.200 | 30 | 1930410000 |
| 6 | 38.10 | 1.500 | 30 | 1930420000 |
| 7 | 45.72 | 1.800 | 24 | 1930430000 |
| 8 | 53.34 | 2.100 | 24 | 1930440000 |
| 9 | 60.96 | 2.400 | 18 | 1930450000 |
| 10 | 68.58 | 2.700 | 18 | 1930460000 |
| 11 | 76.20 | 3.000 | 18 | 1930470000 |
| 12 | 83.82 | 3.300 | 12 | 1930480000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 1930490000 |
| 3 | 15.24 | 0.600 | 48 | 1930500000 |
| 4 | 22.86 | 0.900 | 36 | 1930510000 |
| 5 | 30.48 | 1.200 | 30 | 1930520000 |
| 6 | 38.10 | 1.500 | 30 | 1930530000 |
| 7 | 45.72 | 1.800 | 24 | 1930540000 |
| 8 | 53.34 | 2.100 | 24 | 1930550000 |
| 9 | 60.96 | 2.400 | 18 | 1930560000 |
| 10 | 68.58 | 2.700 | 18 | 1930570000 |
| 11 | 76.20 | 3.000 | 18 | 1930580000 |
| 12 | 83.82 | 3.300 | 12 | 1930590000 |

SV 7.62HP/../90MF



Male header with 90° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A UL: 300 V / 40.5 A



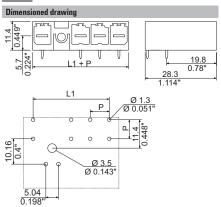
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../90MF2







Accessories

| Note: Refer to the | ne Accessories chapter for additional access | sories. |
|--------------------|----------------------------------------------|------------|
| Coding | | Order No. |
| 200 045 | BV/SV 7.62HP KO | 1937590000 |
| | | |
| | | |
| | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 78 | 1048390000 |
| 3 | 22.86 | 0.900 | 60 | 1048500000 |
| 3 | 30.48 | 1.200 | 48 | 1464270000 |
| 5 | 38.10 | 1.500 | 36 | 1464280000 |
| 6 | 45.72 | 1.800 | 30 | 1543090000 |
| | | | | |

Technical data

| In compliance with IEC 60664-1 / IE | C 6100/ | | | |
|--------------------------------------------|----------|------|----------|------|
| Clamping range, max. | C 0 1304 | | | |
| Solid core HO5(07) V-U | | | | |
| Stranded HO7 V-R | | | | |
| ottanada 1107 T 11 | | | | |
| Flexible H05(07) V-K Flexible with ferrule | | | | |
| TIONIDIO TTILITIONICIO | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | , |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder evelet Ø tolerance | mm | | + 0.1 | |





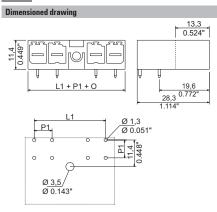
SV 7.62HP/../90MF3

SV 7.62HP/../90MF4













| Dimensioned drawing |
|----------------------------------------------------|
| 19.8 28.3 0.78" 1.114" |
| 0.13 0.051" P 0.091" Q 0.143" Q 0.143" |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 60 | 1048490000 |
| 4 | 30.48 | 1.200 | 48 | 1048570000 |
| 5 | 38.10 | 1.500 | 36 | 1048690000 |
| 6 | 45.72 | 1.800 | 30 | 1543120000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 48 | 1464290000 |
| 5 | 38.10 | 1.500 | 36 | 1048680000 |
| 6 | 45.72 | 1.800 | 30 | 1048760000 |

SV 7.62HP/../180



Male header with 180° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening and integrated positioning

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A UL: 300 V / 40.5 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1 mm starting with 8-pole
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../180G





L1 + P 11,4 0.449" 1,9 0.073

Technical data

| roommour uutu | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | l l | D.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------|--|--|--|
| | Order No. | | | |
| BV/SV 7.62HP KO | 1937590000 | | | |
| | | | | |
| | | | | |
| st twisting | | | | |
| VDS180 SV7.62 | 1853940000 | | | |
| | | | | |
| | | | | |
| | BV/SV 7.62HP KO | | | |

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 120 | 1930600000 |
| 3 | 15.24 | 0.600 | 78 | 1930610000 |
| 4 | 22.86 | 0.900 | 60 | 1930620000 |
| 5 | 30.48 | 1.200 | 48 | 1930630000 |
| 6 | 38.10 | 1.500 | 36 | 1930640000 |
| 7 | 45.72 | 1.800 | 30 | 1930650000 |
| 8 | 53.34 | 2.100 | 30 | 1930660000 |
| 9 | 60.96 | 2.400 | 24 | 1930670000 |
| 10 | 68.58 | 2.700 | 24 | 1930680000 |
| 11 | 76.20 | 3.000 | 18 | 1930690000 |
| 12 | 83.82 | 3.300 | 18 | 1930700000 |





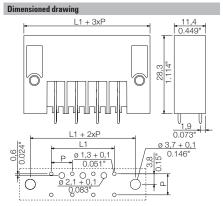
SV 7.62HP/../180F

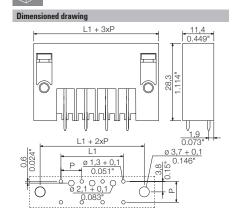
SV 7.62HP/../180SF











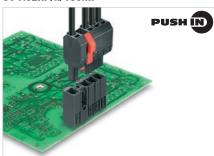
Ordering data

| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | 3.5 mm |
| Colour | | | | black |
| Pitch | 7.62 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 1930710000 |
| 3 | 15.24 | 0.600 | 48 | 1930720000 |
| 4 | 22.86 | 0.900 | 36 | 1930730000 |
| 5 | 30.48 | 1.200 | 30 | 1930740000 |
| 6 | 38.10 | 1.500 | 30 | 1930750000 |
| 7 | 45.72 | 1.800 | 24 | 1930760000 |
| 8 | 53.34 | 2.100 | 24 | 1930770000 |
| 9 | 60.96 | 2.400 | 18 | 1930780000 |
| 10 | 68.58 | 2.700 | 18 | 1930790000 |
| 11 | 76.20 | 3.000 | 18 | 1930800000 |
| 12 | 83.82 | 3.300 | 12 | 1930810000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 1930820000 |
| 3 | 15.24 | 0.600 | 48 | 1930830000 |
| 4 | 22.86 | 0.900 | 36 | 1930840000 |
| 5 | 30.48 | 1.200 | 30 | 1930850000 |
| 6 | 38.10 | 1.500 | 30 | 1930860000 |
| 7 | 45.72 | 1.800 | 24 | 1930870000 |
| 8 | 53.34 | 2.100 | 24 | 1930880000 |
| 9 | 60.96 | 2.400 | 18 | 1930890000 |
| 10 | 68.58 | 2.700 | 18 | 1930900000 |
| 11 | 76.20 | 3.000 | 18 | 1930910000 |
| 12 | 83.82 | 3.300 | 12 | 1930920000 |

SV 7.62HP/../180MF



Male header with 180° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening and integrated positioning

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A UL: 300 V / 40.5 A



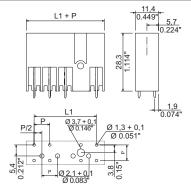
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SV 7.62HP/../180MF2







Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | ļ. | | |
|------------------------------------|----------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Coding | | Order No. |
|-------------------|-----------------|------------|
| 28 58 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| . , | | |
| Protection agains | st twisting | |
| | VDS180 SV7.62 | 1853940000 |
| | | |
| | | |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 78 | 1048350000 |
| 3 | 22.86 | 0.900 | 60 | 1048410000 |
| 4 | 30.48 | 1.200 | 48 | 1464310000 |
| 5 | 38.10 | 1.500 | 36 | 1464320000 |
| 6 | 45.72 | 1.800 | 30 | 1543190000 |





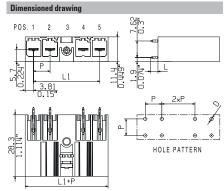
SV 7.62HP/../180MF3

SV 7.62HP/../180MF4

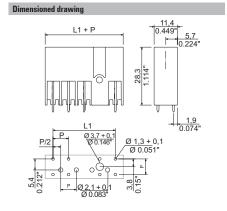












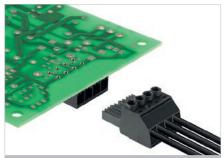
Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 60 | 1048420000 |
| | | | 00 | 1040420000 |
| 4 | 30.48 | 1.200 | 48 | 1048530000 |
| 5 | 30.48 38.10 | | | |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 48 | 1464330000 |
| 5 | 38.10 | 1.500 | 36 | 1048600000 |
| 6 | 45.72 | 1.800 | 30 | 1048720000 |

SV 7.62HP/../270



Male header with 270° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A UL: 300 V / 40.5 A



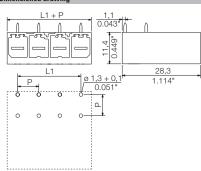
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Diameter of solder eyelet D = 1.4+0.1 mm starting with 8-pole
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../270G







Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | ļ. | | |
|------------------------------------|----------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Coding | | Order No. |
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| | | |
| . , | | |

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 120 | 1931260000 |
| 3 | 15.24 | 0.600 | 78 | 1931270000 |
| 4 | 22.86 | 0.900 | 60 | 1931280000 |
| 5 | 30.48 | 1.200 | 48 | 1931290000 |
| 6 | 38.10 | 1.500 | 36 | 1931300000 |
| 7 | 45.72 | 1.800 | 30 | 1931310000 |
| 8 | 53.34 | 2.100 | 30 | 1931320000 |
| 9 | 60.96 | 2.400 | 24 | 1931330000 |
| 10 | 68.58 | 2.700 | 24 | 1931340000 |
| 11 | 76.20 | 3.000 | 18 | 1931350000 |
| 12 | 83.82 | 3.300 | 18 | 1931360000 |
| | | | | |





SV 7.62HP/../270F

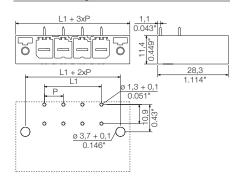
SV 7.62HP/../270SF





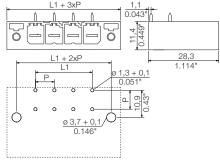


Nimensioned drawing









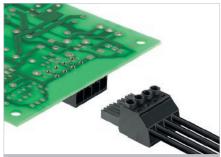
Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 1931370000 |
| 3 | 15.24 | 0.600 | 48 | 1931380000 |
| 4 | 22.86 | 0.900 | 36 | 1931390000 |
| 5 | 30.48 | 1.200 | 30 | 1931400000 |
| 6 | 38.10 | 1.500 | 30 | 1931410000 |
| 7 | 45.72 | 1.800 | 24 | 1931420000 |
| 8 | 53.34 | 2.100 | 24 | 1931430000 |
| 9 | 60.96 | 2.400 | 18 | 1931440000 |
| 10 | 68.58 | 2.700 | 18 | 1931450000 |
| 11 | 76.20 | 3.000 | 18 | 1931460000 |
| 12 | 83.82 | 3.300 | 12 | 1931470000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 60 | 1931480000 |
| 3 | 15.24 | 0.600 | 48 | 1931490000 |
| 4 | 22.86 | 0.900 | 36 | 1931500000 |
| 5 | 30.48 | 1.200 | 30 | 1931510000 |
| 6 | 38.10 | 1.500 | 30 | 1931520000 |
| 7 | 45.72 | 1.800 | 24 | 1931530000 |
| 8 | 53.34 | 2.100 | 24 | 1931540000 |
| 9 | 60.96 | 2.400 | 18 | 1931550000 |
| 10 | 68.58 | 2.700 | 18 | 1931570000 |
| 11 | 76.20 | 3.000 | 18 | 1931580000 |
| 12 | 83.82 | 3.300 | 12 | 1931590000 |

SV 7.62HP/../270MF



Male header with 270° outlet direction for 400 V TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fastening.

Variants: flange, screw flange and middle flange fastening.

Product data

IEC: 1000 V / 57 A UL: 300 V / 40.5 A



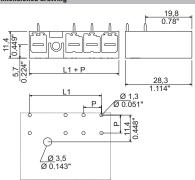
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SV 7.62HP/../270MF2







Technical data

| _ | | | |
|----------------------|-----------------------------------------|-----------------------------------------------------|----------------------------|
| C 61984 | ļ. | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| mm | | | |
| | | | |
| | | | |
| Α | 57 | | 41 |
| | 20°C | | 40°C |
| | | | |
| | III | Ш | II |
| | 3 | 2 | 2 |
| V | 000 | 000 | 4000 |
| V | 630 | 630 | 1000 |
| kV | 6 | 6 | 6 |
| - | 6 B | - | 6 D |
| - | 6 B | 6 | 6 |
| kV | 6 B | 6 C | 6 D |
| kV V | 6 B | 6 C 300 | 6 D 600 |
| kV V A AWG | 6 B | 6 C 300 | 6 D 600 |
| kV V A | 6 B 300 40.5 | 6 C 300 40.5 | 6 D 600 5 |
| kV V A AWG | 6 B 300 40.5 | 6 C 300 40.5 - | 6 D 600 5 |
| kV V A AWG | 6 B 300 40.5 B 300 | 6 C 300 40.5 - C | 6 D 600 5 D 600 |
| kV V A AWG | 6 B 300 40.5 B 300 | 6 C 300 40.5 - C | 6 D 600 5 D 600 |
| kV V A AWG | 6 B 300 40.5 B 300 | 6 C 300 40.5 - C | 6 D 600 5 D 600 |
| kV V A AWG | 6 B 300 40.5 B 300 | 6 C 300 40.5 - C 300 35 - | 6 D 600 5 D 600 |
| kV V A AWG | 6 B 300 40.5 B 300 35 | 6 C 300 40.5 - C 300 35 - PA GF V-0 Cu-alloy | 6 D 600 5 D 600 5 |
| kV V A AWG | 6 B 300 40.5 B 300 35 | 6 C 300 40.5 - C 300 35 - PA GF V-0 Cu-alloy tinned | 6 D 600 5 D 600 5 |
| kV V A AWG | 6 B 300 40.5 B 300 35 | 6 C 300 40.5 - C 300 35 - PA GF V-0 Cu-alloy | 6 D 600 5 D 600 5 |
| kV V A AWG V A AWG | 6 B 300 40.5 B 300 35 | 6 C 300 40.5 - C 300 35 - PA GF V-0 Cu-alloy tinned | 6 D 600 5 D 600 5 |
| | mm A | A 57 20°C | mm A 57 20°C III III 3 2 |

Accessories

| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Coding | | Order No. |
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| | | |
| . , | | |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 78 | 1048370000 |
| 3 | 22.86 | 0.900 | 60 | 1048450000 |
| 4 | 30.48 | 1.200 | 48 | 1464340000 |
| 5 | 38.10 | 1.500 | 36 | 1464350000 |
| 6 | 45.72 | 1.800 | 30 | 1543250000 |





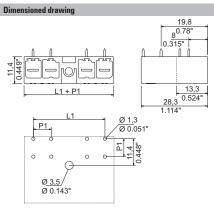
SV 7.62HP/../270MF3

SV 7.62HP/../270MF4

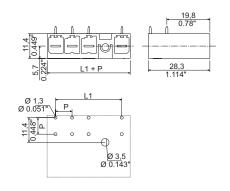












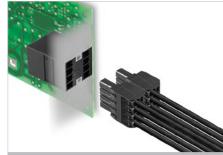
Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------------|----------------|----------|--------------------------|
| Colour | | | | black |
| Pitch | 7.62 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | | | | |
| 3 | 22.86 | 0.900 | 60 | 1048460000 |
| 4 | 22.86 30.48 | 0.900 1.200 | 60 48 | 1048460000 1048550000 |
| | | | | |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 48 | 1464360000 |
| 5 | 38.10 | 1.500 | 36 | 1048650000 |
| 6 | 45.72 | 1.800 | 30 | 1048740000 |
| | | | | |

SVD 7.62HP/../270



Double-row high-current, high-performance pin headers, with or without flange, for fast, tool-free locking. Optimised for "book-size modules" measuring 50 mm wide and above. With integrated mounting option for mounting to the housing wall. Exceptional reliability and operational safety thanks to 100% failsafe mating profile, unique coding and optional additional screw mounting in the flange.

Product data

IEC: 1000 V / 47 A UL: 300 V / 30 A



For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SVD 7.62HP/../270G





Ø2.1 0.083" HOLE PATTERN MIN. FRONT PLATE CUT-OUT

Technical data

| C 61984 | ļ | | |
|---------|-------------------------------|----------------------------------------------------------------------------------------------------------------|------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| mm | | | |
| | | | |
| | | | |
| Α | 47 | | 42 |
| | 20°C | | 40°C |
| | | | |
| | III | III | II |
| | 3 | 2 | 2 |
| V | 630 | 630 | 1000 |
| kV | 6 | 6 | 6 |
| | В | C | D |
| V | 300 | 300 | 600 |
| Α | 30 | 30 | 5 |
| AWG | | - | |
| | В | C | D |
| V | 300 | 300 | 300 |
| Α | | | 5 |
| AWG | | - | |
| | | | |
| | | PA GF | |
| | | V-0 | |
| | | Cu-alloy | 1 |
| | | tinned | |
| mm | (|).8 x 1. | 0 |
| mm | | 1.4 | |
| | | | |
| | mm A V kV V A AWG V A AWG | A 47 20°C III 3 V 630 kV 6 B V 300 AWG B V 300 AWG MWG R O MWG MM MM MM MM MM MM MM MM M | mm |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| 22 52 | BV/SV 7.62HP KO | 1937590000 | | |
| | | | | |
| . , | | | | |

Ordering data

| Solder pir | ı length | | | 3.2 mm |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 7.62 | 0.300 | 60 | 1543290000 |
| 6 | 15.24 | 0.600 | 42 | 1543310000 |
| 8 | 22.86 | 0.900 | 30 | 1543320000 |
| 10 | 30.48 | 1.200 | 24 | 1543330000 |
| 12 | 38 10 | 1.500 | 21 | 1543340000 |

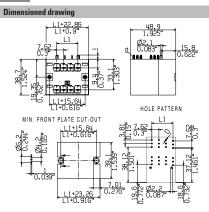




SVD 7.62HP/../270F







Ordering data

| Solder pin | length | | | 3.2 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 7.62 | 0.300 | 33 | 1523940000 |
| 6 | 15.24 | 0.600 | 24 | 1523950000 |
| 8 | 22.86 | 0.900 | 21 | 1523970000 |
| 10 | 30.48 | 1.200 | 18 | 1523980000 |
| 12 | 38.10 | 1.500 | 15 | 1523990000 |





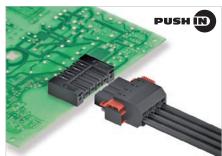








SVF 7.62HP/../180



Male plug in 180° outlet direction and PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

• Available with a flange (F) and a screw flange (SF).

Product data

IEC: $1000 \text{ V} / 57 \text{ A} / 0.5 - 10 \text{ mm}^2$ UL: 600 V / 39 A / AWG 24 - 10



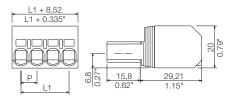
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SVF 7.62HP/../180G







Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|--------------------------------------------------------------|--------------------------------|
| Clamping range, max. | mm² | | 0.510 | 1 |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | 1 |
| Flexible with ferrule | mm ² | | 1.56 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | - | 0.6 x 3.5 | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | 57 | |
| At ambient temperature | | 20°C | 40°C | |
| For conductor cross-section | mm ² | 6 | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| | | | | |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| Rated impulse voltage UL / CUL (Use Group) | kV | 8 B | 8 C | 6 D |
| | kV V | _ | | |
| UL / CUL (Use Group) | | В | C | D |
| UL / CUL (Use Group) Rated voltage | V A | B 600 | C 600 | D 600 |
| UL / CUL (Use Group) Rated voltage Rated current | V A | B 600 39 | C 600 | D 600 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor | V A | B 600 39 24-10 | 600 39 | D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) | V A AWG | B 600 39 24-10 B | C 600 39 | D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | V A AWG | B 600 39 24-10 B 600 | C 600 39 C 600 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | V A AWG | B 600 39 24-10 B 600 36 | C 600 39 C 600 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | V A AWG | B 600 39 24-10 B 600 36 | C 600 39 C 600 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | V A AWG | B 600 39 24-10 B 600 36 | C 600 39 C 600 36 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V A AWG | B 600 39 24-10 B 600 36 24-10 | C 600 39 C 600 36 PA GF V-0 Cu-alloy | D 600 5 D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A AWG | B 600 39 24-10 B 600 36 24-10 | C 600 39 C 600 36 | D 600 5 D 6 00 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V A AWG | B 600 39 24-10 B 600 36 24-10 | C 600 39 C 600 36 PA GF V-0 Cu-alloy | D 600 5 D 6 00 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG V A AWG | B 600 39 24-10 B 600 36 24-10 | C 600 39 C 600 36 PA GF V-0 Cu-alloy | D 600 5 D 6 00 5 |

Accessories

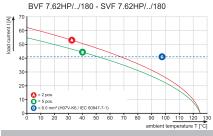
| Coding | | Order No. |
|---------------|-----------------|------------|
| 22 33 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| | | |
| Screwdriver | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| | PZ 6/5 | 9011460000 |
| - | | |
| | | |

Ordering data

| Solder pir | ı length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 95 | 1060830000 |
| 3 | 15.24 | 0.600 | 65 | 1060840000 |
| 4 | 22.86 | 0.900 | 45 | 1060850000 |
| 5 | 30.48 | 1.200 | 40 | 1060870000 |
| 6 | 38.10 | 1.500 | 30 | 1060880000 |

| Kated current, max. | A | 5/ | 5/ | |
|-------------------------------|-----------------|-------|----------|------|
| At ambient temperature | | 20°C | 40°C | |
| For conductor cross-section | mm ² | 6 | | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | 24-10 | | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 36 | 36 | 5 |
| AWG conductor | AWG | 24-10 | | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| | | | | |
| Solder eyelet $\emptyset = D$ | | | | |

Representative deratings curve



SVF 7.62HP/../180F

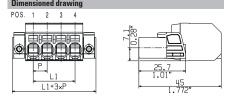
SVF 7.62HP/../180SF

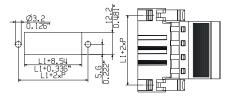








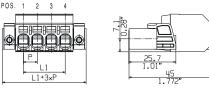


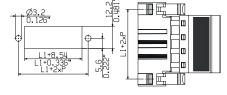












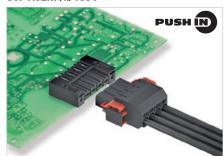
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 50 | 1060900000 |
| 3 | 15.24 | 0.600 | 40 | 1060910000 |
| 4 | 22.86 | 0.900 | 30 | 1060920000 |
| 5 | 30.48 | 1.200 | 25 | 1060930000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 50 | 1060950000 |
| 3 | 15.24 | 0.600 | 40 | 1060970000 |
| 4 | 22.86 | 0.900 | 30 | 1060980000 |
| 5 | 30.48 | 1.200 | 25 | 1061000000 |

SVF 7.62HP/../180 I



Male plug in 180° outlet direction and PUSH IN spring connection for TNC(S) networks. Also perfect for fingersafe solutions involving inverse voltages for board-to-wire connections. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touchsafety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

• Available with a flange (FI) and a screw flange (SFI).

Product data

IEC: $1000 \text{ V} / 57 \text{ A} / 0.5 - 10 \text{ mm}^2$ UL: 600 V / 39 A / AWG 24 - 10



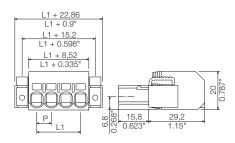
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- $\bullet\,$ Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SVF 7.62HP/../180FI







Technical data

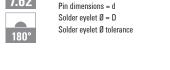
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------|--------------------------------------------------------------------|------------------|
| Clamping range, max. | mm ² | | 0.510 | |
| Solid core H05(07) V-U | mm² | 0.56 | | |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | |
| Flexible with ferrule | mm ² | | 1.56 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3.9 | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 57 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | Ш | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | | 600 | 600 | 600 |
| ronugo | V | buu | טטט | UUU |
| Rated current | V A | 39 | 39 | 5 |
| 3 | - | | - | |
| Rated current AWG conductor CSA (Use Group) | A AWG | 39 B | 39 | 5 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage | A | 39 | 39 24-10 | 5 D 600 |
| Rated current AWG conductor CSA (Use Group) | A AWG V A | 39 B | 39 24-10 C | 5 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG | 39 B 600 | 39 24-10 C 600 | 5 D 600 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG V A | 39 B 600 | 39 24-10 C 600 36 | 5 D 600 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG V A | 39 B 600 | 39 24-10 C 600 36 24-10 | 5 D 600 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG V A | 39 B 600 | 39 24-10 C 600 36 24-10 PA GF V-0 | 5 D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG V A | 39 B 600 | 39 24-10 C 600 36 24-10 PA GF V-0 Cu-alloy | 5 D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A | 39 B 600 | 39 24-10 C 600 36 24-10 PA GF V-0 | 5 D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | A AWG V A | 39 B 600 | 39 24-10 C 600 36 24-10 PA GF V-0 Cu-alloy | 5 D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG V A AWG | 39 B 600 | 39 24-10 C 600 36 24-10 PA GF V-0 Cu-alloy | 5 D 600 5 |

Accessories

| Coding | | Order No. |
|---------------|-----------------|------------|
| 20 55 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |
| Screwdriver | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| 19 | PZ 6/5 | 9011460000 |
| 20 | | |
| | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 50 | 1124750000 |
| 3 | 15.24 | 0.600 | 40 | 1124760000 |
| 4 | 22.86 | 0.900 | 30 | 1124770000 |
| 5 | 30.48 | 1.200 | 25 | 1124780000 |
| | | | | |



Representative deratings curve BVF 7.62HP/../180 - SVF 7.62HP/../180 100 110 120 ent temperature T

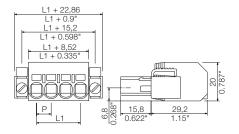
SVF 7.62HP/../180SFI







Dimensioned drawing



Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | black | | |
| Pitch | 7.62 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 7.62 | 0.300 | 50 | 1124810000 | | |
| 3 | 15.24 | 0.600 | 40 | 1124820000 | | |
| 4 | 22.86 | 0.900 | 30 | 1124830000 | | |
| 5 | 30.48 | 1.200 | 25 | 1124840000 | | |

2977770000 **Weidmüller 3€ 0.165**

SVF 7.62HP/../180MF



Male plug in 180° outlet direction with PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

• Middle flange is available in positions 2, 3 and 4.

Product data

IEC: $1000 \text{ V} / 57 \text{ A} / 0.5 - 10 \text{ mm}^2$ UL: 600 V / 39 A / AWG 24 - 10



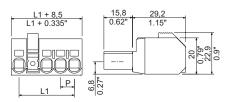
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SVF 7.62HP/../180MF2







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.510 | 1 |
| Solid core H05(07) V-U | mm ² | 0.56 | | |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | 1 |
| Flexible with ferrule | mm ² | | 1.56 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 57 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | Ш | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | | 24-10 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 36 | 36 | 5 |
| AWG conductor | AWG | | 24-10 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Coding | | Order No. |
|---------------|-----------------|------------|
| 22 53 | BV/SV 7.62HP KO | 1937590000 |
| * | | |
| 54. | | |
| Screwdriver | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| | PZ 6/5 | 9011460000 |
| | | |
| _ | | |

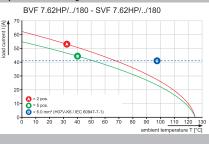
Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | black | |
| Pitch | 7.62 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 15.24 | 0.600 | 65 | 1061020000 | |
| 3 | 22.86 | 0.900 | 50 | 1061030000 | |
| 4 | 30.48 | 1.200 | 40 | 1430010000 | |
| 5 | 38.10 | 1.500 | 30 | 1430020000 | |
| | | | | | |



| natou voitago | • | 000 | 000 | 000 |
|-----------------------------|-----|-----|----------|-----|
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | | 24-10 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 36 | 36 | 5 |
| AWG conductor | AWG | | 24-10 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Representative deratings curve



SVF 7.62HP/../180MF3

SVF 7.62HP/../180MF4



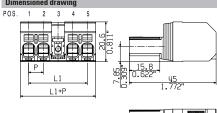


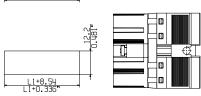


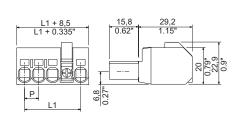












Ordering data

| Solder pin length | | | | | |
|-------------------|-------------|-----------------|--------------------|-------------------------|--|
| Colour | | | | black | |
| Pitch | 7.62 mm | | | | |
| | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| Pol. | L1 22.86 | (inch) 0.900 | Q ty. 50 | Order No. 1061040000 | |
| | | | | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 40 | 1430030000 |
| 5 | 38.10 | 1.500 | 30 | 1061080000 |
| 6 | 45.72 | 1.800 | 25 | 1061100000 |

SVF 7.62HP/../180MSF



Male plug in 180° outlet direction with PUSH IN spring connection for TNC(S) networks. Also perfect for finger-safe solutions involving inverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

• Middle flange is available in positions 2, 3 and 4.

Product data

IEC: $1000 \text{ V} / 57 \text{ A} / 0.5 - 10 \text{ mm}^2$ UL: 600 V / 39 A / AWG 24 - 10



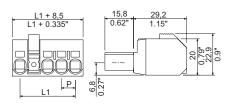
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SVF 7.62HP/../180MSF2







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|-------|----------|------|
| Clamping range, max. | mm² | | 0.510 |) |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 |) |
| Flexible with ferrule | mm ² | | 1.56 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | - | D.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | 57 | |
| At ambient temperature | | 20°C | 40°C | |
| For conductor cross-section | mm ² | 6 | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | 24-10 | | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 36 | 36 | 5 |
| AWG conductor | AWG | 24-10 | | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

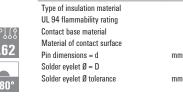
Accessories

| Coding | | Order No. |
|---------------|------------------|------------|
| 22 33 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |
| Screwdriver | | |
| P | SDS 0.6X3.5X100 | 2749340000 |
| | SDIS 0.6X3.5X100 | 2749810000 |
| / | | |
| Pressing tool | | |
| 10 | PZ 6/5 | 9011460000 |
| | | |
| | | |

Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | black | |
| Pitch | 7.62 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 15.24 | 0.600 | 65 | 1061110000 | |
| 3 | 22.86 | 0.900 | 50 | 1061120000 | |
| 3 | 30.48 | 1.200 | 40 | 1430060000 | |
| 5 | 38.10 | 1.500 | 30 | 1430070000 | |
| | | | | | |





Representative deratings curve BVF 7.62HP/../180 - SVF 7.62HP/../180

SVF 7.62HP/../180MSF3

SVF 7.62HP/../180MSF4



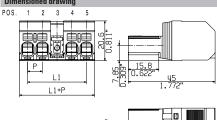


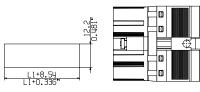


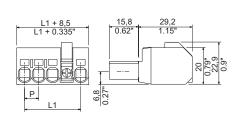












Ordering data

| Solder pin length | | | | | |
|-------------------|-------------|-----------------|----------------|-------------------------|--|
| Colour | | | | black | |
| Pitch | 7.62 mm | | | | |
| | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| Pol. | L1 22.86 | (inch) 0.900 | Qty. 50 | Order No. 1061130000 | |
| | | | | | |

Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | black | | |
| Pitch | 7.62 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 4 | 30.48 | 1.200 | 40 | 1430080000 | | |
| 5 | 38.10 | 1.500 | 30 | 1061170000 | | |
| 6 | 45.72 | 1.800 | 25 | 1061180000 | | |

SVF 7.62HP/../180



180° inverted male header featuring PUSH IN connection technology for field wiring in 6 mm² with a 7.62 pitch as a "three-flange variant" for enclosure feed-throughs. Suitable for enclosures with a max. wall thickness of 2 mm. Also a perfect finger-safe solution for reverse voltages. Meets the requirements of UL1059 600 V Class C and IEC 61800-5-1.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm² UL: 600 V / 39 A / AWG 24 - 10



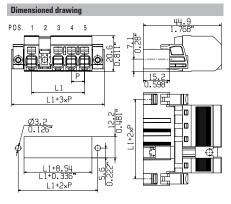
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SVF 7.62HP/../180SFMF2







Technical data

| i Cullilicai uata | | | | |
|--------------------------------|-----------------|----------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | | 0.510 | 1 |
| Solid core H05(07) V-U | mm ² | | 0.56 | |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | 1 |
| Flexible with ferrule | mm ² | | 1.56 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 57 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| Rated impulse voltage | kV | 8 8 6 | | |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | | 24-10 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 36 | 36 | 5 |
| AWG conductor | AWG | | 24-10 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

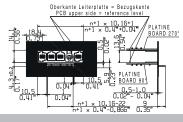
| Note: Refer to th | Note: Refer to the Accessories chapter for additional accessories. | | | |
|-------------------|--------------------------------------------------------------------|------------|--|--|
| Coding | | Order No. | | |
| 22 53 | BV/SV 7.62HP KO | 1937590000 | | |
| - | | | | |
| | | | | |
| Screwdriver | | | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 | | |
| 1 | | | | |
| / | | | | |
| Pressing tool | | | | |
| | PZ 6/5 | 9011460000 | | |
| 20 | | | | |
| | | | | |
| Coupling set | | | | |
| 90/ | SVF/BVF 7.62HP COUPLE SET | 1440850000 | | |
| На | | | | |
| 8 | | | | |
| | · | | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 40 | 1427220000 |
| 3 | 22.86 | 0.900 | 30 | 1427230000 |
| 4 | 30.48 | 1.200 | 25 | 1427250000 |
| | | | | |

Representative dimensional drawing

proposal min. metal front plate cut out for BU...M(S)F/SU...M(S)F with shielding plate Oberkante Leiterplatte = Bezugskante PCB upper side = reference level



Representative deratings curve BVF 7.62HP/../180 - SVF 7.62HP/../180 100 110 120 ent temperature T [



SVF 7.62HP/../180SFMF3

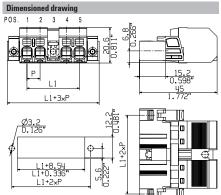
SVF 7.62HP/../180SFMF4

SVF/BCF 7.62HP COUPLE SET



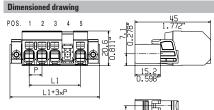


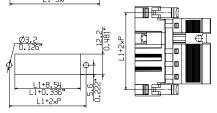


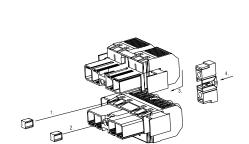












Ordering data

| Solder pir | ı length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 30 | 1427240000 |
| 4 | 30.48 | 1.200 | 25 | 1427260000 |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 25 | 1427270000 |

With the aid of the SVF/BVF 7.62HP COUPLE SET the two plug-in elements can be connected back-to-back to form a 2-row connector with a maximum of 2 x 4 poles.

SVF 7.62HP/../180



180° inverted male header featuring PUSH IN connection technology for field wiring in 6 mm² with a 7.62 pitch as a "three-flange variant" for enclosure feed-throughs. Suitable for enclosures with a max. wall thickness of 16 mm. Also a perfect finger-safe solution for reverse voltages. Meets the requirements of UL1059 600 V Class C and IEC 61800-5-1.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm² UL: 600 V / 39 A / AWG 24 - 10



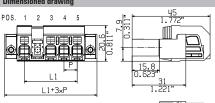
For additional articles and information, refer to eshop.weidmueller.com

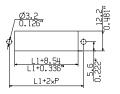
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

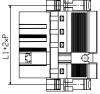
SVF 7.62HP/../180SFBMF2











Technical data

| In compliance with IEC 60664-1 | I / IEC 61984 | | | |
|--------------------------------|-----------------|----------|----------|------|
| Clamping range, max. | mm ² | | 0.510 | |
| Solid core H05(07) V-U | mm ² | | 0.56 | |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | |
| Flexible with ferrule | mm ² | | 1.56 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 57 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| Rated impulse voltage | kV | 8 8 6 | | |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | | 24-10 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 36 | 36 | 5 |
| AWG conductor | AWG | | 24-10 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | tinned | | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

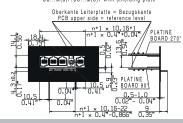
| Note: Refer to the Accessories chapter for additional accessories. | | | |
|--------------------------------------------------------------------|---------------------------|------------|--|
| Coding | | Order No. | |
| 20.05 | BV/SV 7.62HP KO | 1937590000 | |
| - | | | |
| | | | |
| Screwdriver | | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 | |
| - | | | |
| / | | | |
| Pressing tool | | | |
| | PZ 6/5 | 9011460000 | |
| 20 | | | |
| | | | |
| Coupling set | | | |
| 98/ | SVF/BVF 7.62HP COUPLE SET | 1440850000 | |
| Па | | | |
| 6 | | | |

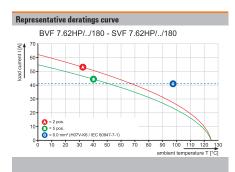
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 40 | 1429920000 |
| 3 | 22.86 | 0.900 | 30 | 1429930000 |
| 4 | 30.48 | 1.200 | 25 | 1429950000 |
| | | | | |

Representative dimensional drawing

proposal min. metal front plate cut out for BU...M(S)F/SU...M(S)F with shielding plate





SVF 7.62HP/../180SFBMF3

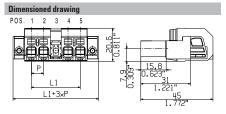
SVF 7.62HP/../180SFBMF4

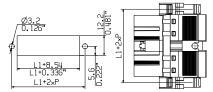
SVF/BCF 7.62HP COUPLE SET











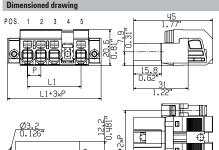
Ordering data

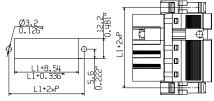
| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 30 | 1429940000 |
| 4 | 30.48 | 1.200 | 25 | 1429960000 |







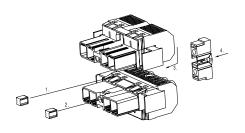




Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mr | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 25 | 1429970000 |





With the aid of the SVF/BVF 7.62HP COUPLE SET the two plug-in elements can be connected back-to-back to form a 2-row connector with a maximum of 2 x 4 poles.

SVFL 7.62HP/../180



Male plug with 180° outlet direction and adjustable actuator (PUSHER) featuring PUSH IN spring connection technology for TNC(S) networks. Also perfect as a touch-safe solution for reverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement ensures finger-safety of >3 mm in accordance with IEC 61800-5-1.

Maximum connection and operating reliability due to: derating up to 125°C, a 100 % pin arrangement that prevents wrong connections or wrong wiring, and unique coding diversity.

Variants: middle flange and middle screw flange mountings.

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 36 A / AWG 24 - 10



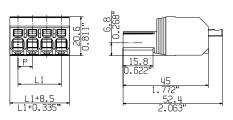
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SVFL 7.62HP/../180G







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|----------|----------|------|
| Clamping range, max. | mm ² | | 0.56 | |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 1.56 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 36 | 36 | 5 |
| AWG conductor | AWG | | 24-10 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-10 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|--------------------------------------------------------------------|-----------------|------------|--|
| Coding | | Order No. | |
| 20 0.0 | BV/SV 7.62HP KO | 1937590000 | |
| - | | | |
| • | | | |
| Screwdriver | | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 | |
| - | | | |
| / | | | |
| Pressing tool | | | |
| | PZ 6/5 | 9011460000 | |
| 20 | | | |
| | | | |

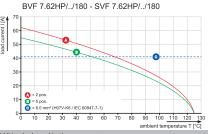
Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | black | |
| Pitch | 7.62 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 4 | 22.86 | 0.900 | 36 | 1547550000 | |



| Rated current | Α | 36 | 36 | 5 |
|-----------------------------|-----|-----|----------|-----|
| AWG conductor | AWG | | 24-10 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-10 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |
| | | | | |
| | | | | |

Representative deratings curve



Additional pole combinations on request

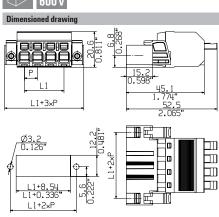
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SVFL 7.62HP/../180F







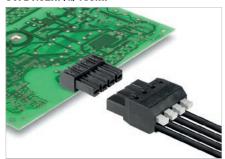


Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | black | |
| Pitch | 7.62 mr | n | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 4 | 22.86 | 0.900 | 42 | 1547570000 | |

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SVFL 7.62HP/../180MF



Male plug with 180° outlet direction and adjustable actuator (PUSHER) featuring PUSH IN spring connection technology for TNC(S) networks. Also perfect as a touch-safe solution for reverse voltages. Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement ensures finger-safety of >3 mm in accordance with IEC 61800-5-1.

Maximum connection and operating reliability due to: derating up to 125°C, a 100 % pin arrangement that prevents wrong connections or wrong wiring, and unique coding diversity.

Variants: middle flange and middle screw flange mountings.

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 36 A / AWG 24 - 10



For additional articles and information, refer to eshop.weidmueller.com

Note:

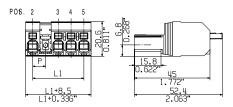
- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- · Additional pole combinations on request
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SVFL 7.62HP/../180MF2





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.56 | |
| Solid core H05(07) V-U | mm ² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | 0.56 | | |
| Flexible with ferrule | mm ² | | 1.56 | |
| Ferrule with plastic collar | mm ² | | 1.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 800 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 36 | 36 | 5 |
| AWG conductor | AWG | | 24-10 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | 24-10 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Colder avalet (I talerance | po po | | | |

Accessories

| Coding | | Order No. |
|---------------|-----------------|------------|
| 20 55 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |
| Screwdriver | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| 19 | PZ 6/5 | 9011460000 |
| 20 | | |
| _ | | |

Ordering data

| Solder pin length | | | | | |
|-------------------|---------|--------|------|------------|--|
| Colour | | | | black | |
| Pitch | 7.62 mm | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | |
| 2 | 15.24 | 0.600 | 84 | 2630260000 | |
| 3 | 22.86 | 0.900 | 60 | 2630420000 | |
| 3 | 30.48 | 1.200 | 48 | 2630430000 | |
| 5 | 38.10 | 1.500 | 42 | 2630440000 | |
| | | | | | |

°|(\$ **7.62**



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SVFL 7.62HP/../180MF3

SVFL 7.62HP/../180MF4







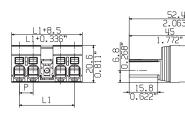
Dimensioned drawing

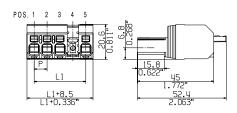






Dimensioned drawin





Ordering data

| Solder pin | length | | | |
|---------------|-------------|-----------------|----------------|-------------------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. 3 | L1 22.86 | (inch) 0.900 | Qty. 60 | Order No. 2630450000 |
| | | | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 40 | 2630470000 |
| 4 | 30.48 | 1.200 | 48 | 20304/0000 |
| 5 | 38.10 | 1.500 | 48 | 2630470000 |

2977770000 **Weidmüller № 0.177**

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BVZ 7.62HP/../180



Female plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability: with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

 Available with a flange (F), screw flange (SF) and clip on screw flange (SFC)

Product data

IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 40.5 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

Note

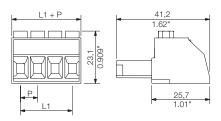
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVZ 7.62HP/../180





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.210 | |
| Solid core H05(07) V-U | mm² | | 0.26 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.210 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.26 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | Nm | | 0.50.6 | 3 |
| Rated current, max. | Α | 57 | | 51 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | V | 8 | 8 | 6000 |
| UL / CUL (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | | 24-8 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder System B | | | | |

Accessories

| Coding | | Order No. |
|---------------|-----------------------|------------|
| 20 55 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |
| Strain relief | | |
| | BV/SV 7.62HP/02 ZE GR | 1937550000 |
| - | BV/SV 7.62HP/04 ZE GR | 1937560000 |
| | | |
| Screwdriver | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 |
| | SDK PH1 X 80 | 2749410000 |
| / | | |

Ordering data

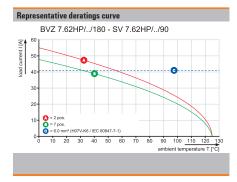
| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1929930000 |
| 3 | 15.24 | 0.600 | 100 | 1929940000 |
| 4 | 22.86 | 0.900 | 100 | 1929950000 |
| 5 | 30.48 | 1.200 | 50 | 1929960000 |
| 6 | 38.10 | 1.500 | 50 | 1929970000 |
| 7 | 45.72 | 1.800 | 50 | 1929980000 |
| 8 | 53.34 | 2.100 | 50 | 1929990000 |
| 9 | 60.96 | 2.400 | 50 | 1930000000 |
| 10 | 68.58 | 2.700 | 50 | 1930020000 |
| 11 | 76.20 | 3.000 | 50 | 1930030000 |
| 12 | 83.82 | 3.300 | 50 | 1930040000 |
| | | | | |











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BVZ 7.62HP/../180F

BVZ 7.62HP/../180SF

BVZ 7.62HP/../180SFC







Dimensioned decusion



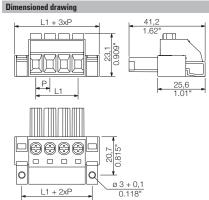


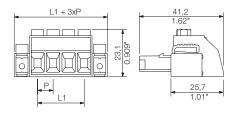


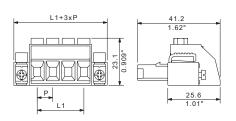
Dimensioned drawing











Ordering data

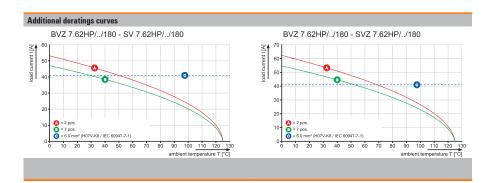
| | , | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | black |
| Pitch | 7.62 mn | n | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1930050000 |
| 3 | 15.24 | 0.600 | 100 | 1930060000 |
| 4 | 22.86 | 0.900 | 100 | 1930070000 |
| 5 | 30.48 | 1.200 | 50 | 1930080000 |
| 6 | 38.10 | 1.500 | 50 | 1930090000 |
| 7 | 45.72 | 1.800 | 50 | 1930100000 |
| 8 | 53.34 | 2.100 | 50 | 1930110000 |
| 9 | 60.96 | 2.400 | 50 | 1930120000 |
| 10 | 68.58 | 2.700 | 50 | 1930130000 |
| 11 | 76.20 | 3.000 | 50 | 1930140000 |
| 12 | 83.82 | 3.300 | 50 | 1930150000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1930160000 |
| 3 | 15.24 | 0.600 | 100 | 1930170000 |
| 4 | 22.86 | 0.900 | 100 | 1930180000 |
| 5 | 30.48 | 1.200 | 50 | 1930190000 |
| 6 | 38.10 | 1.500 | 50 | 1930200000 |
| 7 | 45.72 | 1.800 | 50 | 1930210000 |
| 8 | 53.34 | 2.100 | 50 | 1930220000 |
| 9 | 60.96 | 2.400 | 50 | 1930230000 |
| 10 | 68.58 | 2.700 | 50 | 1930240000 |
| 11 | 76.20 | 3.000 | 50 | 1930250000 |
| 12 | 83.82 | 3.300 | 50 | 1930260000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1929740000 |
| 3 | 15.24 | 0.600 | 100 | 1929750000 |
| 4 | 22.86 | 0.900 | 100 | 1929760000 |
| 5 | 30.48 | 1.200 | 50 | 1929770000 |
| 6 | 38.10 | 1.500 | 50 | 1929780000 |
| 7 | 45.72 | 1.800 | 50 | 1929790000 |



2977770000 **Weidmüller № 0.179**

BVZ 7.62HP/../180RSH



Female plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touchsafety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

· Available with shield in three different orientations.

Product data

IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 40.5 A / AWG 24 - 8



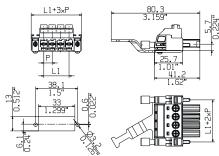
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVZ 7.62HP/../180RSH150







FRONT PLATE CUT-OUT

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|----------------------------------------------------------------------------------------------------------------------|-----------------|------|-----------------|------|
| Clamping range, max. | mm ² | | 0.210 | |
| Solid core H05(07) V-U | mm² | | 0.26 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.210 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.26 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | Nm | | 0.50.6 | 3 |
| Rated current, max. | Α | 57 | 51 | |
| At ambient temperature | | 20°C | 40°C | |
| For conductor cross-section | mm ² | 6 | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | V | 8 | 8 | 6000 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | AWG | 24-8 | | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| 414/0 1 : | 41440 | 240 | | |
| AWG conductor | AWG | 24-8 | | |
| AWG conductor General data | AWG | 24-8 | | |
| General data Type of insulation material | AWG | 24-8 | PA GF | |
| General data | AWG | 24-8 | PA GF V-0 | |
| General data Type of insulation material UL 94 flammability rating Contact base material | AWG | 24-8 | | |
| General data Type of insulation material UL 94 flammability rating | AWG | 24-8 | V-0 | |
| General data Type of insulation material UL 94 flammability rating Contact base material | AWG | 24-8 | V-0 Cu-alloy | |
| General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | | 24-8 | V-0 Cu-alloy | |

Accessories

| Coding | | Order No. |
|-------------|-----------------|------------|
| 20 75 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| . , | | |
| Screwdriver | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 |
| | SDK PH1 X 80 | 2749410000 |
| | 3DK FULV 00 | |

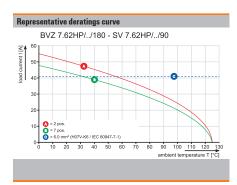
| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 15.24 | 0.600 | 50 | 1929850000 |
| 4 | 22.86 | 0.900 | 25 | 1929860000 |
| 5 | 30.48 | 1.200 | 25 | 1929870000 |
| 6 | 38.10 | 1.500 | 25 | 1929880000 |
| | | | | |











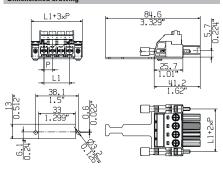
BVZ 7.62HP/../180RSH180

BVZ 7.62HP/../180RSH210





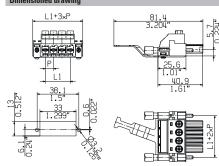




FRONT PLATE CUT-OUT







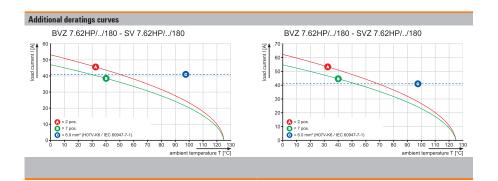
FRONT PLATE CUT-OUT

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 15.24 | 0.600 | 50 | 1933340000 |
| 4 | 22.86 | 0.900 | 25 | 1933350000 |
| 5 | 30.48 | 1.200 | 25 | 1933360000 |
| 6 | 38.10 | 1.500 | 25 | 1933370000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 15.24 | 0.600 | 50 | 1933430000 |
| 4 | 22.86 | 0.900 | 24 | 1933440000 |
| 5 | 30.48 | 1.200 | 25 | 1933450000 |
| 6 | 38.10 | 1.500 | 25 | 1933460000 |



Weidmüller **ॐ** 0.181 2977770000

BVZ 7.62HP/../180SH C



Female plug in 180° outlet direction with clamping yoke screw connection and additional shield connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touchsafety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

· Available with shield in three different orientations.

Technical data

Product data

IEC: 1000 V / 57 A / 0.2 - 10 mm² UL: 600 V / 40.5 A / AWG 24 - 8



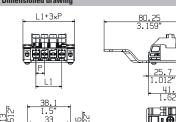
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVZ 7.62HP/../180SH150C







FRONT PLATE CUT-OUT

| In compliance with IEC 60664-1 / II | C 61984 | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|------------------------------------------------------|------|
| Clamping range, max. | mm ² | | 0.210 | |
| Solid core H05(07) V-U | mm² | | 0.26 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.210 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.26 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 3.6 x 3.5 | 5 |
| According to norm | | | | |
| Tightening torque range | Nm | | 0.50.6 | |
| Rated current, max. | Α | 57 | | 51 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | V | 8 | 8 | 6000 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 40.5 | 40.5 | 5 |
| AWG conductor | | | | |
| | AWG | | 24-8 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | C 600 | 600 |
| Rated voltage Rated current | V | | C 600 40.5 | |
| Rated voltage Rated current AWG conductor | V | 600 | C 600 | 600 |
| Rated voltage Rated current AWG conductor General data | V | 600 | 600 40.5 24-8 | 600 |
| Rated voltage Rated current AWG conductor General data Type of insulation material | V | 600 | 600 40.5 24-8 | 600 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V | 600 | C 600 40.5 24-8 PA GF V-0 | 600 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V | 600 | C 600 40.5 24-8 PA GF V-0 Cu-alloy | 600 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V | 600 | C 600 40.5 24-8 PA GF V-0 | 600 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface Pin dimensions = d | V | 600 | C 600 40.5 24-8 PA GF V-0 Cu-alloy | 600 |
| Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG | 600 | C 600 40.5 24-8 PA GF V-0 Cu-alloy | 600 |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|--------------------------------------------------------------------|-----------------|------------|--|--|
| Coding | | Order No. | | |
| 20 0.9 | BV/SV 7.62HP KO | 1937590000 | | |
| - | | | | |
| • | | | | |
| Screwdriver | | | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 | | |
| | SDK PH1 X 80 | 2749410000 | | |
| / | | | | |
| | | | | |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 15.24 | 0.600 | 50 | 1929890000 |
| 4 | 22.86 | 0.900 | 25 | 1929900000 |
| 5 | 30.48 | 1.200 | 25 | 1929910000 |
| 6 | 38.10 | 1.500 | 25 | 1929920000 |
| | | | | |









Representative deratings curve BVZ 7.62HP/../180 - SV 7.62HP/../90

Weidmüller 🏖 0.182

BVZ 7.62HP/../180SH180C

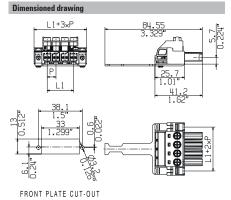
BVZ 7.62HP/../180SH210C



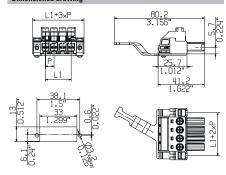












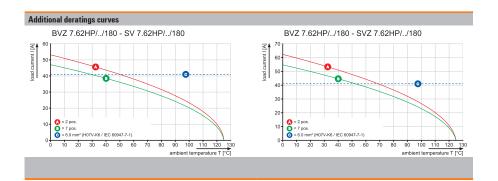
FRONT PLATE CUT-OUT

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 15.24 | 0.600 | 50 | 1933380000 |
| 4 | 22.86 | 0.900 | 25 | 1933390000 |
| 5 | 30.48 | 1.200 | 25 | 1933400000 |
| 6 | 38.10 | 1.500 | 25 | 1933410000 |

Ordering data

| 000 |
|-----|
| 000 |
| 000 |
| 000 |
| |



Weidmüller ₹ 0.183 2977770000

BVF 7.62HP/../180



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

· Available with a flange (F), screw flange (SF) and middle flange (MF).

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm² UL: 600 V / 39 A / AWG 24 - 8



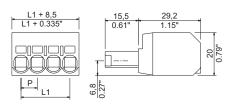
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVF 7.62HP/../180







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|-------|----------|------|
| Clamping range, max. | mm ² | 0.510 | | |
| Solid core H05(07) V-U | mm² | | 0.510 |) |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | |
| Flexible with ferrule | mm ² | | 0.510 | |
| Ferrule with plastic collar | mm ² | | 0.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 57 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | 24-8 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| • | | | | |

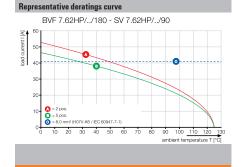
Accessories

| Coding | | Order No. |
|---------------|-----------------|------------|
| 20 55 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| • | | |
| Screwdriver | | |
| Ø | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| 19 | PZ 6/5 | 9011460000 |
| 20 | | |
| | | |

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 95 | 1060390000 |
| 3 | 15.24 | 0.600 | 65 | 1060400000 |
| 3 | 22.86 | 0.900 | 45 | 1060410000 |
| 5 | 30.48 | 1.200 | 40 | 1060420000 |
| | | | | |







BVF 7.62HP/../180F

BVF 7.62HP/../180SF







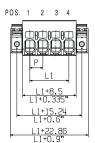


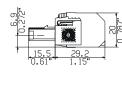
Dimensioned drawing

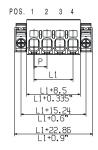


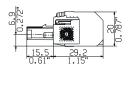


Dimensioned drawi







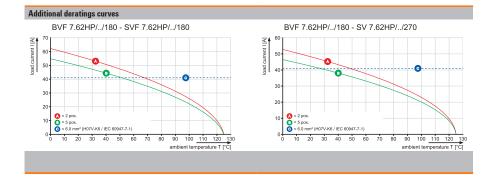


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 50 | 1060440000 |
| 3 | 15.24 | 0.600 | 40 | 1060450000 |
| 4 | 22.86 | 0.900 | 30 | 1060470000 |
| 5 | 30.48 | 1.200 | 25 | 1060480000 |
| 6 | 38.10 | 1.500 | 25 | 1060490000 |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 50 | 1060500000 |
| 3 | 15.24 | 0.600 | 40 | 1060510000 |
| 4 | 22.86 | 0.900 | 30 | 1060520000 |
| 5 | 30.48 | 1.200 | 25 | 1060530000 |
| 6 | 38.10 | 1.500 | 25 | 1060540000 |



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BVF 7.62HP/../180MF



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

• Middle flange available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm² UL: 600 V / 39 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

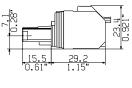
- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVF 7.62HP/../180MF2









Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|-------|----------|------|
| Clamping range, max. | mm ² | 0.510 | | |
| Solid core H05(07) V-U | mm² | | 0.510 |) |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | |
| Flexible with ferrule | mm ² | | 0.510 | |
| Ferrule with plastic collar | mm ² | | 0.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | | 57 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | | 24-8 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | | 24-8 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| | | | | |

Accessories

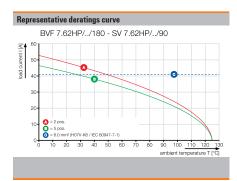
| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|---------------------------|------------|--|
| Coding | | Order No. | |
| BR 038 | BV/SV 7.62HP KO | 1937590000 | |
| - | | | |
| | | | |
| Screwdriver | | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 | |
| 1 | | | |
| / | | | |
| Pressing tool | | | |
| | PZ 6/5 | 9011460000 | |
| 20 | | | |
| • | | | |
| Coupling set | | | |
| 90/ | SVF/BVF 7.62HP COUPLE SET | 1440850000 | |
| На | | | |
| 8 | | | |

| Solder pin | | | | |
|------------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 65 | 1060550000 |
| 2 3 4 5 | 22.86 | 0.900 | 50 | 1060570000 |
| 4 | 30.48 | 1.200 | 40 | 1430120000 |
| 5 | 38.10 | 1.500 | 30 | 1430130000 |
| 6 | 45.72 | 1.800 | 25 | 2629920000 |









BVF 7.62HP/../180MF3

BVF 7.62HP/../180MF4





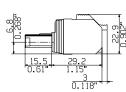


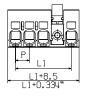


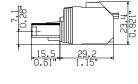










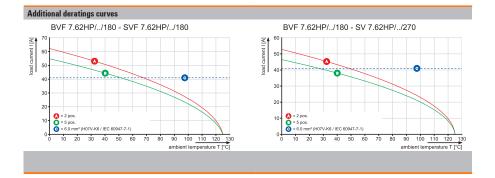


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.000 | | 400050000 |
| | 22.00 | 0.900 | 50 | 1060580000 |
| 4 | 30.48 | 1.200 | 40 | 1060580000 |
| | | | | |

Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 40 | 1430140000 |
| 5 | 38.10 | 1.500 | 30 | 1060610000 |
| 6 | 45.72 | 1.800 | 25 | 1060620000 |



Weidmüller 3 2 0.187 2977770000

BVF 7.62HP/../180MSF



Female plug in 180° outlet direction with PUSH IN spring connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch-safety of > 3 mm in accordance with IEC 61800-5-1.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct, and unique coding capability.

• Middle flange available in positions 2, 3 and 4.

Product data

IEC: 1000 V / 57 A / 0.5 - 10 mm² UL: 600 V / 39 A / AWG 24 - 8



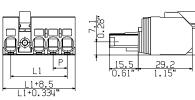
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVF 7.62HP/../180MSF2







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|------|----------|------|
| Clamping range, max. | mm ² | | 0.510 |) |
| Solid core H05(07) V-U | mm² | | 0.510 |) |
| Stranded H07 V-R | | | 10 | |
| Flexible H05(07) V-K | mm ² | | 0.510 |) |
| Flexible with ferrule | mm ² | | 0.510 |) |
| Ferrule with plastic collar | mm ² | | 0.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | 1 | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 57 | 57 | |
| At ambient temperature | | 20°C | 40°C | |
| For conductor cross-section | mm ² | 6 | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 39 | 39 | 5 |
| AWG conductor | AWG | 24-8 | | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 33 | 33 | 5 |
| AWG conductor | AWG | 24-8 | | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder evelet Ø tolerance | mm | | | |

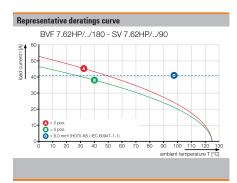
Accessories

| Coding | | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|
| County | BV/SV 7.62HP KO | 1937590000 |
| 1 | | |
| • | | |
| Screwdriver | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 |
| A CONTRACTOR OF THE PARTY OF TH | | |
| / | | |
| Pressing tool | | |
| 19 | PZ 6/5 | 9011460000 |
| 20 | | |
| | | |
| Coupling set | | |
| 90/ | SVF/BVF 7.62HP COUPLE SET | 1440850000 |
| Ha | | |
| -4 B | | |

| Solder pin | | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 65 | 1060630000 |
| 3 | 22.86 | 0.900 | 50 | 1060640000 |
| 3 | 30.48 | 1.200 | 40 | 1430090000 |
| 5 | 38.10 | 1.500 | 30 | 1430100000 |
| | | | | |







BVF 7.62HP/../180MSF3

BVF 7.62HP/../180MSF4



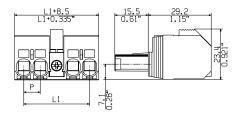


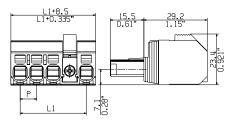










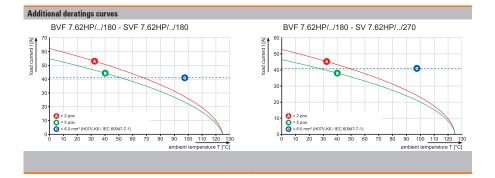


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 50 | 1060650000 |
| 4 | 30.48 | 1.200 | 40 | 1060670000 |
| 5 | 38.10 | 1.500 | 30 | 1060680000 |
| 6 | 45.72 | 1.800 | 25 | 2630320000 |

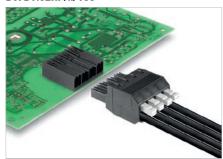
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 40 | 1430110000 |
| 5 | 38.10 | 1.500 | 30 | 1060690000 |
| 6 | 45.72 | 1.800 | 25 | 1060700000 |



Weidmüller **₹** 0.189 2977770000

BVFL 7.62HP/../180



Female plug with 180° outlet direction, adjustable actuator (pusher) and PUSH IN spring connection technology for TNC(S) networks.

Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement ensures finger-safety of >3 mm in accordance with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, unique coding diversity and a pin arrangement that ensures failsafe insertion.

Variants: flange, screw flange, middle flange and middle screw flange mounting.

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 39 A / AWG 24 - 8



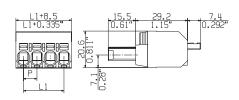
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVFL 7.62HP/../180







Technical data

| In compliance with IEC 60664-1 / IE | C 61984 | ļ. | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------|------------------------------------------------------------------------------|--------------------------------|
| Clamping range, max. | mm ² | | 0.56 | |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | 1.17 | 0 | 0 | 6 |
| riaicu iiripuise voitaye | kV | 8 | 8 | 0 |
| UL / CUL (Use Group) | KV | B | C | D |
| | V | _ | | |
| UL / CUL (Use Group) | | В | С | D |
| UL / CUL (Use Group) Rated voltage | V | B 600 | C 600 | D 600 |
| UL / CUL (Use Group) Rated voltage Rated current | V A | B 600 | C 600 39 | D 600 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor | V A | B 600 39 | C 600 39 24-8 | D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) | V A AWG | B 600 39 | C 600 39 24-8 C | D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | V A AWG | B 600 39 B 600 | C 600 39 24-8 C 600 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | V A AWG | B 600 39 B 600 | C 600 39 24-8 C 600 33 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | V A AWG | B 600 39 B 600 | C 600 39 24-8 C 600 33 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data | V A AWG | B 600 39 B 600 | C 600 39 24-8 C 600 33 24-8 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V A AWG | B 600 39 B 600 | C 600 39 24-8 C 600 33 24-8 | D 600 5 D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A AWG | B 600 39 B 600 | C 600 39 24-8 C 600 33 24-8 PA GF V-0 | D 600 5 D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V A AWG | B 600 39 B 600 | C 600 39 24-8 C 600 33 24-8 PA GF V-0 Cu-alloy | D 600 5 D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG V A AWG | B 600 39 B 600 | C 600 39 24-8 C 600 33 24-8 PA GF V-0 Cu-alloy | D 600 5 D 600 5 |

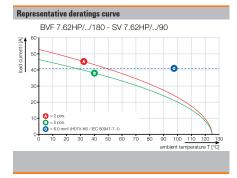
Accessories

| Coding | | Order No. |
|---------------|-----------------|------------|
| 22 53 | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| * | | |
| Screwdriver | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 |
| | | |
| / | | |
| Pressing tool | | |
| 1 | PZ 6/5 | 9011460000 |
| | | |
| | | |

| | | black |
|--------|-------------------------|-----------------------------------------------------|
| | | |
| (inch) | Qty. | Order No. |
| 0.300 | 120 | 2548870000 |
| 0.600 | 84 | 2548880000 |
| 0.900 | 60 | 1547520000 |
| 1.200 | 48 | 2548890000 |
| | 0.300 0.600 0.900 | 0.300 120 0.600 84 0.900 60 |





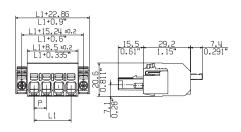


BVFL 7.62HP/../180F





Dimensioned drawing



Ordering data

| Solder pin | ı length | | | |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 66 | 2549280000 |
| 3 | 15.24 | 0.600 | 48 | 2549340000 |
| 4 | 22.86 | 0.900 | 42 | 1547530000 |
| 5 | 30.48 | 1.200 | 36 | 2549350000 |

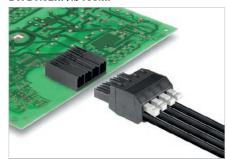
Additional deratings curves

BVF 7.62HP/../180 - SV 7.62HP/../270

Superior of the control of th

2977770000 **Weidmüller ₹ 0.191**

BVFL 7.62HP/../180MF



Female plug with 180° outlet direction, adjustable actuator (pusher) and PUSH IN spring connection technology for TNC(S) networks.

Meets the requirements of UL1059 for 600 V Use Group C. The pin arrangement ensures finger-safety of >3 mm in accordance with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, unique coding diversity and a pin arrangement that ensures failsafe insertion.

Variants: flange, screw flange, middle flange and middle screw flange mounting.

Product data

IEC: 1000 V / 41 A / 0.5 - 6 mm² UL: 600 V / 39 A / AWG 24 - 8



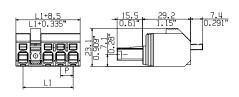
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Additional pole combinations on request
 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVFL 7.62HP/../180MF2







Technical data

| In compliance with IEC 60664-1 / | IEC 61984 | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------|----------------------------|--------------------------------|
| Clamping range, max. | mm ² | | 0.56 | |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.56 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 0.6 x 3.5 | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 41 | 41 | |
| At ambient temperature | | 20°C | 40°C | |
| For conductor cross-section | mm ² | 6 | | |
| Overvoltage category | | Ш | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| | | | | |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| Rated impulse voltage UL / CUL (Use Group) | kV | 8 B | 8 C | 6 D |
| | kV V | • | | _ |
| UL / CUL (Use Group) | | В | C | D |
| UL / CUL (Use Group) Rated voltage | V | B 600 | C 600 | D 600 |
| UL / CUL (Use Group) Rated voltage Rated current | V A | B 600 39 | C 600 | D 600 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor | V A | B 600 39 24-8 | 600 39 | D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) | V A AWG | B 600 39 24-8 B | C 600 39 | D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage | V A AWG | B 600 39 24-8 B 600 | C 600 39 C 600 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | V A AWG | B 600 39 24-8 B 600 33 | C 600 39 C 600 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V A AWG | B 600 39 24-8 B 600 33 | C 600 39 C 600 33 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A AWG | B 600 39 24-8 B 600 33 | C 600 39 C 600 33 | D 600 5 D |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | V A AWG | B 600 39 24-8 B 600 33 | C 600 39 C 600 33 | D 600 5 D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | V A AWG | B 600 39 24-8 B 600 33 | C 600 39 C 600 33 | D 600 5 D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | V A AWG | B 600 39 24-8 B 600 33 | C 600 39 C 600 33 | D 600 5 D 600 5 |
| UL / CUL (Use Group) Rated voltage Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | V A AWG | B 600 39 24-8 B 600 33 | C 600 39 C 600 33 | D 600 5 D 600 5 |

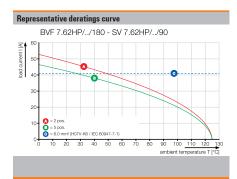
Accessories

| 0 - 41 | | O., J N |
|---------------|---------------------------|------------|
| Coding | | Order No. |
| | BV/SV 7.62HP KO | 1937590000 |
| - | | |
| ~ | | |
| Screwdriver | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 |
| - | | |
| / | | |
| Pressing tool | | |
| | PZ 6/5 | 9011460000 |
| 20 | | |
| | | |
| Coupling set | | |
| 90/ | SVF/BVF 7.62HP COUPLE SET | 1440850000 |
| Ha | | |
| *4 B | | |

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 15.24 | 0.600 | 84 | 2549300000 |
| 3 4 | 22.86 | 0.900 | 60 | 2549360000 |
| 4 | 30.48 | 1.200 | 48 | 2630700000 |
| 5 | 38.10 | 1.500 | 42 | 2630710000 |
| 6 | 45.72 | 1.800 | 36 | 2630720000 |







BVFL 7.62HP/../180MF3

BVFL 7.62HP/../180MF4



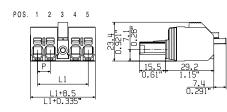


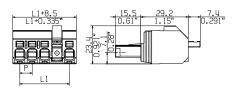


Dimensioned drawing



Dimensioned drawin



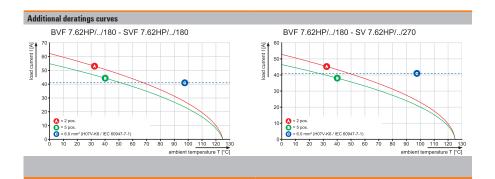


Ordering data

| | • | | | |
|------------|---------|--------|------|------------|
| Solder pin | length | | | |
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 22.86 | 0.900 | 60 | 2549370000 |
| 4 | 30.48 | 1.200 | 48 | 1547540000 |
| 5 | 38.10 | 1.500 | 42 | 2549380000 |
| 6 | 45.72 | 1.800 | 36 | 2630730000 |

Ordering data

| Solder pin | length | | | |
|-----------------|-------------|-----------------|-------------------|-------------------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| Pol. | L1 30.48 | (inch) 1.200 | Qty. 48 | Order No. 2630740000 |
| Pol. 4 5 | | | | |



2977770000 **Weidmüller** ₹ 0.193

BVDF 7.62HP 180



Bus connector with two connections per pole with the time-saving $6 \text{mm}^2 \text{ PUSH IN}$ connection system.

- The extremely short cross-connection allows you to safely loop through bus currents.
- PUSH IN connection: Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The self-locking middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Product data

IEC: 600 V / 46 A / 0.5 - 10 mm² UL: 600 V / 35 A / AWG 24 - 8



For additional articles and information, refer to eshop.weidmueller.com

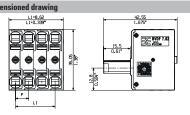
Note:

- Additional variants on request
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVDF 7.62HP/.../180









Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
|--------------------------------|-----------------|------|-----------|-----|
| Clamping range, max. | mm ² | | 0.510 | |
| Solid core H05(07) V-U | mm ² | | 0.510 |) |
| Stranded H07 V-R | | | 6 | |
| Flexible H05(07) V-K | mm ² | | 0.510 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | mm ² | | 0.5 | |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | 1 | 0.6 x 3.5 | 5 |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 46 | 41 | |
| At ambient temperature | | 20°C | 40°C | |
| For conductor cross-section | | | | |
| Overvoltage category | | III | Ш | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 600 | 600 | 600 |
| Rated impulse voltage | kV | 6 | 6 | 4 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 35 | 35 | 35 |
| AWG conductor | AWG | 24-8 | | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | - | | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Soluci cyclet b - D | | | | |

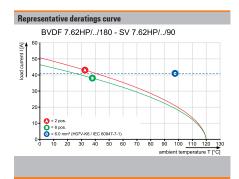
Accessories

| Coding | | Order No. |
|---------------|-----------------|------------|
| 22 33 | BV/SV 7.62HP KO | 1937590000 |
| _ | | |
| | | |
| Screwdriver | | |
| 0 | SDS 0.6X3.5X100 | 2749340000 |
| | | |
| / | | |
| Pressing tool | | |
| | PZ 6/5 | 9011460000 |
| 20 | | |
| | | |

| Solder pir | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 57 | 2719370000 |
| 3 4 | 15.24 | 0.600 | 39 | 2720430000 |
| 4 | 22.86 | 0.900 | 30 | 2720440000 |
| 5 | 30.48 | 1.200 | 24 | 2720450000 |
| 6 | 38.10 | 1.500 | 18 | 2720460000 |
| 7 | 45.62 | 1.800 | 15 | 2720470000 |
| 8 | 53.34 | 2.100 | 15 | 2720480000 |







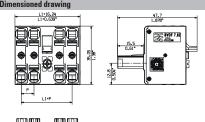
BVDF 7.62HP/.../180SF

BVDF 7.62HP/.../180MSF











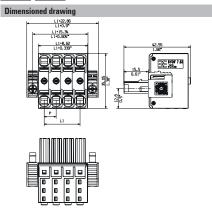
Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 30 | 2719380000 |
| 3 | 15.24 | 0.600 | 24 | 2720490000 |
| 4 | 22.86 | 0.900 | 21 | 2720500000 |
| 5 | 30.48 | 1.200 | 18 | 2720510000 |
| 6 | 38.10 | 1.500 | 15 | 2720520000 |
| 7 | 45.72 | 1.800 | 12 | 2720530000 |
| 8 | 53.34 | 2.100 | 12 | 2720540000 |



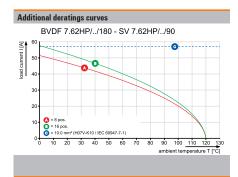






Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 39 | 2720560000 |
| 3 | 15.24 | 0.600 | 30 | 2720570000 |
| 4 | 22.86 | 0.900 | 24 | 2720580000 |
| 5 | 30.48 | 1.200 | 18 | 2720590000 |
| 6 | 38.10 | 1.500 | 15 | 2720600000 |
| 7 | 45.72 | 1.800 | 15 | 2720610000 |
| 8 | 53.34 | 2.100 | 12 | 2720620000 |



Weidmüller ₹ 0.195

BVL 7.62HP/../90



Touch-safe female header with 90° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and comes with UL approval in accordance with UL508-5-1 / UL840 for 600 V. An ideal touch-safe solution for power output and DC-link applications. The pin arrangement ensures more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 56.8 A UL: 300 V / 35 A



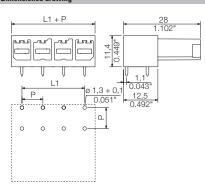
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live $% \left(\mathbf{r}\right) =\left(\mathbf{r}\right)$ or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BVL 7.62HP/../90







Technical data

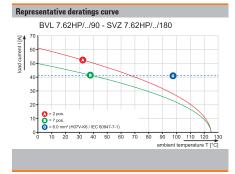
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 56.8 | | 41 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| D.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Note: Refer to the | Accessories chapter for additional access | sories. |
|--------------------|-------------------------------------------|------------|
| Coding | | Order No. |
| 20 03 | BV/SV 7.62HP KO | 1937590000 |
| | | |
| . , | | |

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1928280000 |
| 3 | 15.24 | 0.600 | 100 | 1928290000 |
| 4 | 22.86 | 0.900 | 100 | 1928300000 |
| 5 | 30.48 | 1.200 | 50 | 1928310000 |
| 6 | 38.10 | 1.500 | 50 | 1928320000 |
| 7 | 45.72 | 1.800 | 50 | 1928330000 |





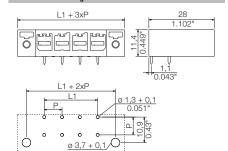
BVL 7.62HP/../90FI

BVL 7.62HP/../90SFI

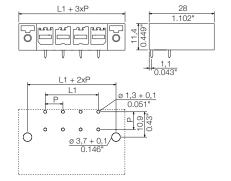










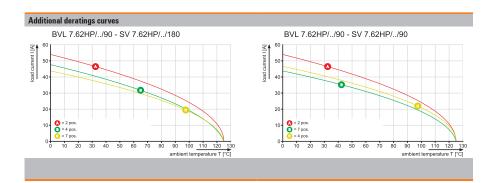


Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1928390000 |
| 3 | 15.24 | 0.600 | 100 | 1928400000 |
| 4 | 22.86 | 0.900 | 100 | 1928410000 |
| 5 | 30.48 | 1.200 | 50 | 1928420000 |
| 6 | 38.10 | 1.500 | 50 | 1928430000 |
| 7 | 45.72 | 1.800 | 50 | 1928440000 |

Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | ı | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1928500000 |
| 3 | 15.24 | 0.600 | 100 | 1928510000 |
| 4 | 22.86 | 0.900 | 100 | 1928520000 |
| 5 | 30.48 | 1.200 | 50 | 1928530000 |
| 6 | 38.10 | 1.500 | 50 | 1928540000 |
| 7 | 45.72 | 1.800 | 50 | 1928550000 |



Weidmüller **ॐ** 0.197 2977770000

BVL 7.62HP/../180



Touch-safe female header with 180° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and comes with UL approval in accordance with UL508-5-1 / UL840 for 600 V. An ideal touch-safe solution for power output and DC-link applications. The pin arrangement ensures more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Characteristics: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity, additional fixing and integral positioning aid.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 56.8 A UL: 300 V / 42 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, DMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVL 7.62HP/../180





imensioned drawing L1+P 80 10,9 11,4 0.083" 0.073" 11,4 0.449"

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-------------|------|----------|------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 56.8 | 41 | |
| At ambient temperature | | 20°C | 40°C | |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 42 | 42 | 5 |
| AWG conductor | AWG | - | | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | - | | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (| 0.8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

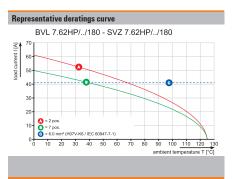
| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|-----------------|------------|--|
| Coding | | Order No. | |
| 20 33 | BV/SV 7.62HP KO | 1937590000 | |
| | | | |
| • | | | |
| Protection aga | inst twisting | | |
| | VDS180 SV7.62 | 1853940000 | |
| - | | | |
| , | | | |
| | | | |

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1928610000 |
| 3 | 15.24 | 0.600 | 100 | 1928620000 |
| 4 | 22.86 | 0.900 | 100 | 1928630000 |
| 5 | 30.48 | 1.200 | 50 | 1928650000 |
| 6 | 38.10 | 1.500 | 50 | 1928660000 |
| 7 | 45.72 | 1.800 | 50 | 1928670000 |

°|(\$ **7.62**

0.198



Weidmüller ₹ 2977770000

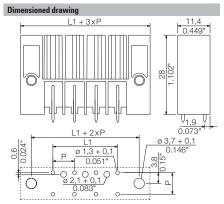
BVL 7.62HP/../180FI

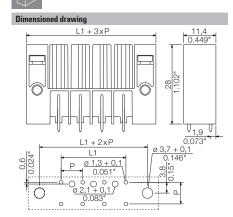
BVL 7.62HP/../180SFI









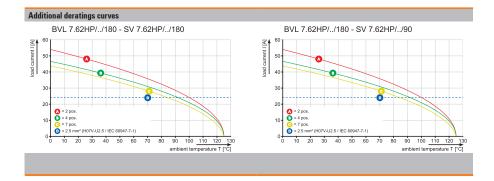


Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1928730000 |
| 3 | 15.24 | 0.600 | 100 | 1928740000 |
| 4 | 22.86 | 0.900 | 100 | 1928750000 |
| 5 | 30.48 | 1.200 | 50 | 1928760000 |
| 6 | 38.10 | 1.500 | 50 | 1928770000 |
| 7 | 45.72 | 1.800 | 50 | 1928780000 |

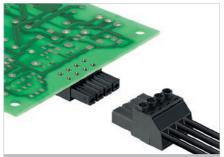
Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mn | 1 | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1928840000 |
| 3 | 15.24 | 0.600 | 100 | 1928850000 |
| 4 | 22.86 | 0.900 | 100 | 1928860000 |
| 5 | 30.48 | 1.200 | 50 | 1928870000 |
| 6 | 38.10 | 1.500 | 50 | 1928900000 |
| 7 | 45.72 | 1.800 | 50 | 1928910000 |



2977770000 **Weidmüller № 0.199**

BVL 7.62HP/../270



Finger-safe female header with 270° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and comes with UL approval in accordance with UL508-5-1 / UL840 for 600 V. An ideal touch-safe solution for power output and DC-link applications. The pin arrangement ensures more than 3 mm of touch-safety in accordance with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125° C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 56.8 A UL: 300 V / 35 A



For additional articles and information, refer to eshop.weidmueller.com

Note

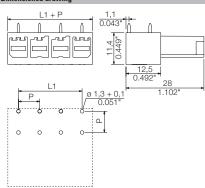
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BVL 7.62HP/../270





Dimensioned drawin



Technical data

| lecillical uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | | | | |
| Solid core HO5(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 56.8 | | 41 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 35 | 35 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | (|).8 x 1. | 0 |
| Solder eyelet Ø = D | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| Coding | | Order No. |
|----------|-----------------|------------|
| 200 1557 | BV/SV 7.62HP KO | 1937590000 |
| 1 | | |

Ordering data

| Solder p | in length | | | 3.5 mm |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1929300000 |
| 3 | 15.24 | 0.600 | 100 | 1929310000 |
| 4 | 22.86 | 0.900 | 100 | 1929320000 |
| 5 | 30.48 | 1.200 | 50 | 1929330000 |
| 6 | 38.10 | 1.500 | 50 | 1929340000 |
| 7 | 45.72 | 1.800 | 50 | 1929350000 |

°l(† **7.62**



0.200 Weidmüller ₹ 2977770000

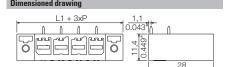
BVL 7.62HP/../270FI

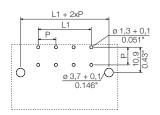
BVL 7.62HP/../270SFI



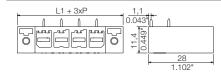


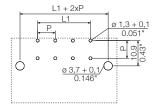










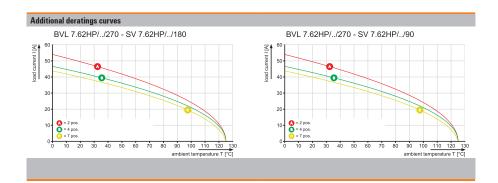


Ordering data

| | , | | | | | |
|------------|-------------------|--------|------|------------|--|--|
| Solder pin | Solder pin length | | | | | |
| Colour | | | | black | | |
| Pitch | 7.62 mm | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 7.62 | 0.300 | 100 | 1929410000 | | |
| 3 | 15.24 | 0.600 | 100 | 1929420000 | | |
| 4 | 22.86 | 0.900 | 100 | 1929430000 | | |
| 5 | 30.48 | 1.200 | 50 | 1929440000 | | |
| 6 | 38.10 | 1.500 | 50 | 1929450000 | | |
| 7 | 45.72 | 1.800 | 50 | 1929460000 | | |

Ordering data

| Solder pin | length | 3.5 mm | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 7.62 mm | | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 7.62 | 0.300 | 100 | 1929520000 |
| 3 | 15.24 | 0.600 | 100 | 1929530000 |
| 4 | 22.86 | 0.900 | 100 | 1929540000 |
| 5 | 30.48 | 1.200 | 50 | 1929550000 |
| 6 | 38.10 | 1.500 | 50 | 1929560000 |
| 7 | 45.72 | 1.800 | 50 | 1929570000 |



Weidmüller **ॐ** 0.201 2977770000

Increased current for better performance

The top class in the OMNIMATE® Power SU / BUZ 10.16HP connector system features a very durable contact system which makes it a pluggable power transmission solution with maximum load reserves.

HP stands for High Performance – performance exemplified by a long-term usage temperature of 120 $^{\circ}$ C. This custom, pluggable solution is suitable for all applications that must meet 600 V UL or 1,000 V (IEC) with up to 76 A (IEC) and 54 A (UL).

Compact reliability

Silver-plated contacts with stainless-steel top springs can tolerate short-circuit currents of 1,000 A for one second. Weidmüller's classic clamping yoke features a plus-minus screw and is protected against under insertion. It ensures a long-term, reliable connection.

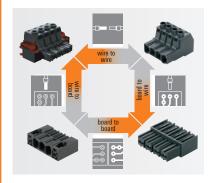


29777770000 29777770000

Compact integration No compromises during compact and standard-c

High system performance

The OMNIMATE® Power System up to 16 mm² can be individually combined with plugging mates that have an interlocking flange. It is also possible for the plugging mate to be screwed on.



Individualised configuration

Clear printed labelling and customised coding are used to prevent damage that could be caused by installation mistakes.



No compromises during design and approval: compact and standard-compliant with additional + 3.0 mm finger safety, according to IEC 61800-5-1, and increased creepage and clearance distances according to UL.



2977770000 **Weidmüller ₹ 0.203**

Touch-safe female header for power electronics

OMNIMATE® Power - plug-in connections for high power up to 76 A

Touch-safe protection for the contact blade is an important factor when considering high-power connectors. However such protection is currently quite difficult to design into standard products because of the size of the plug

We meet this challenge with our new BUL 10.16 female header in 10.16 mm pitch. The inverted plug ensures reliable touch protection for the unplugged, live side. This makes the BUL 10.16 a perfect-fit solution for board-to-wire connection in high-power electronics. You can also establish board-to-board connections when combined with the SU 10.16 HP standard male header.



Only mated plugs with the same pole count fit together. The plugs' mating profiles make it impossible to connect plugs with different pole counts together.



Plugging errors are not possible

With inserted coding elements, the male plug can only be connected with its corresponding female header



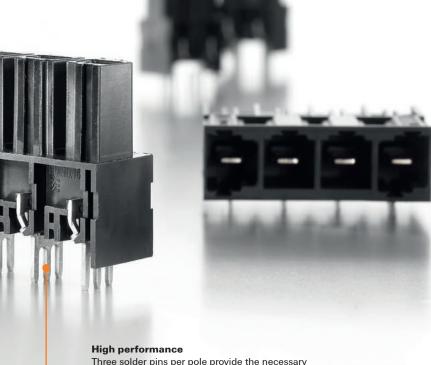




Non-rotating assembly

Improved reliability while assembling the circuit board: An integrated coding pin serves as an assembly guide so that the plug cannot be accidentally turned 180°.

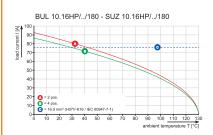




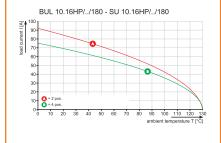
Three solder pins per pole provide the necessary mechanical strength while ensuring maximum current specifications.



Derating curve for the BUL 10.16 HP female header together with the SUZ 10.16 HP male plug



Derating curve for the BUL 10.16 HP female header together with the SU 10.16 HP male header



2977770000 **Weidmüller ₹ 0.205**

Secure and efficient connection of power electronics devices PUSH IN-connector with wire-ready function

High power applications need connection by wires with huge cross sections, which typically are inflexible. Large PUSH IN connections are therefore difficult to plug in. Special tools are often needed for installation in narrow areas or for wiring with flexible wires without ferrules.

BUF 10.16 facilitates and accelerates this process and does not require additional tools. The operating lever which can be locked in open position (pusher) makes it yet possible to insert conductors with short cladding or rigid insulation into the open terminal. This means that the proven PUSH IN function remains unrestricted while the terminal point, fixed in an open position, allows a comfortable and easy connection under difficult conditions. The result is a noticeable saving of time.

Your special advantages:

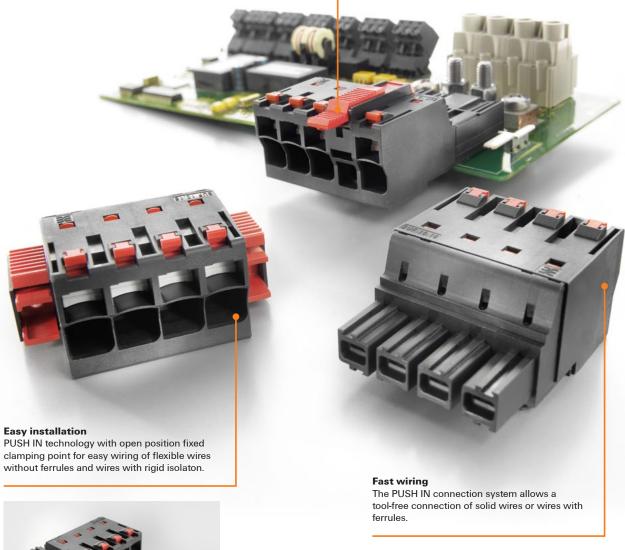
- PUSH IN-technology with open position fixed clamping point
- Tool-free wiring of flexible wires without ferrules and wires with rigid isolation
- · Easy one-hand operation of the connector
- Automatic locking by a centre flange with detent fixing and optional screw fixing

206 Weidmüller ₹ 2977770000

Easy one hand operation

Automatic locking by a centre flange with detent fixing and optional screw fixing.



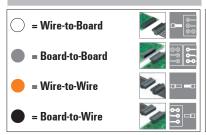


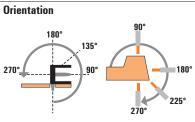




2977770000 **Weidmüller № 0.207**

http://www.OMNIMATE.net









Туре

Orientation

Flange options

Product code numbers

| Screw | |
|---------------|--|
| | |
| Clamping yoke | |
| | |
| | |



BUZ 180°

(G)/F/SF

IEC: 1.000 V/78 A/0.2 - 16 mm² UL: 600 V/60 A/AWG 22 - 4

Spring PUSH IN

Female plug



BUF IT

180°

(G)/F/SF

IEC: 1.000 V/78 A/0.2 - 16 mm² UL: 600 V/55 A/AWG 22 - 4



BUF IT SH 180°

(G)/F/SF

IEC: 1.000 V/78 A/0,2 - 16 mm² UL: 600 V/55 A/AWG 22 - 4



0.208



BUL

180°

on request

"IEC: 1.000 V/76 A UL: 300 V/57 A"

Female:

(G) = without flange

F = Interlock flange

SF = Interlock flange with screw

Pin:

G = Closed (without flange)

F = Interlock flange

SF = Interlock flange with nut

Weidmüller ₹ 2977770000











| | | | _ |
|--------------------------------------|--------------------------------------|-------------------------------------|-------------------------------------------------------------------------|
| SU | SU | SU | SUZ |
| 90° | 180° | 270° | 180° |
| G/F | G/F/SF | G/F/SF | G |
| IEC: 1.000 V/76 A UL: 300 V/54 A" | IEC: 1.000 V/76 A UL: 300 V/54 A" | EC: 1.000 V/76 A UL: 300 V/54 A" | IEC: 1.000 V/78 A/0.2 - 16 mm ² UL: 600 V/57 A/AWG 24 - 4 |
| 0 | 0 | 0 | • |
| | | | • |
| | 0 | | • |
| • | • | • | • |

2977770000 **Weidmüller № 0.209**

SU 10.16HP/../90



Male header with 90° outlet direction for TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 78.3 A UL: 300 V / 60 A



For additional articles and information, refer to eshop.weidmueller.com

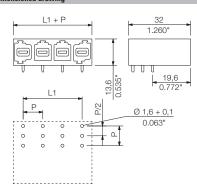
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SU 10.16HP/../90G

without flanges







Technical data

| C 61984 | ļ | | |
|--------------------------------|----------------------------------|----------------------------------------------------|--------------------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| mm | | | |
| | | | |
| | | | |
| Α | 78.3 | | 70.6 |
| | 20°C | | 40°C |
| | | | |
| | III | III | II |
| | 3 | 2 | 2 |
| V | 690 | 1000 | 1000 |
| | | | |
| kV | 8 | 8 | 6 |
| kV | 8 B | 8 C | 6 D |
| kV V | _ | | |
| | В | C | D |
| V | B 300 | C 300 | D 600 |
| V | B 300 | C 300 | D 600 |
| V | B 300 60 | C 300 60 | D 600 5 |
| V A AWG | B 300 60 | C 300 60 - | D 600 5 |
| V A AWG | B 300 60 B 300 | C 300 60 - C 300 | D 600 5 D |
| V A AWG | B 300 60 B 300 | C 300 60 - C 300 | D 600 5 D |
| V A AWG | B 300 60 B 300 | C 300 60 - C 300 | D 600 5 D 600 5 |
| V A AWG | B 300 60 B 300 | C 300 60 - C 300 60 - | D 600 5 D 600 5 |
| V A AWG | B 300 60 B 300 60 | C 300 60 - C 300 60 - PBT GF | D 600 5 D 600 5 |
| V A AWG | B 300 60 B 300 60 | C 300 60 - C 300 60 - PBT GF V-0 | D 600 5 D 600 5 |
| V A AWG | B 300 60 B 300 60 | C 300 60 - C 300 60 - PBT GF V-0 Cu-alloy | D 600 5 D 600 5 |
| V A AWG V A AWG | B 300 60 B 300 60 | C 300 60 - C 300 60 - PBT GF V-0 Cu-alloy ver-plat | D 600 5 D 600 5 |
| | mm A | A 78.3 20°C III | mm A 78.3 20°C III III 3 2 |

Accessories

| Coding | | Order No. |
|---------------|------------------------|------------|
| 20 135 | KO BU/SU10.16HP BK | 1824410000 |
| - | KO BU/SU10.16HP WT | 2592600000 |
| • | | |
| Mounting scre | •w | |
| | SU 10.16 BFSC P 35X 14 | 2812340000 |
| | SU 10.16 BFSC S 35X12 | 2812290000 |
| | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 90 | 1813330000 |
| 3 | 20.32 | 0.800 | 60 | 1813340000 |
| 4 | 30.48 | 1.200 | 42 | 1813350000 |
| 5 | 40.64 | 1.600 | 36 | 1813360000 |
| 6 | 50.80 | 2.000 | 30 | 1813370000 |
| 7 | 60.96 | 2.400 | 24 | 1813380000 |
| 8 | 71.12 | 2.800 | 18 | 1813390000 |
| 9 | 81.28 | 3.200 | 18 | 1813400000 |





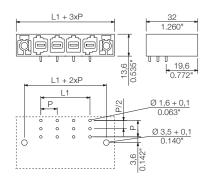
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SU 10.16HP/../90F

Interlock flanges





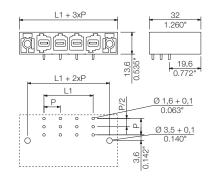


SU 10.16HP/../90SF

Interlock flanges with nuts







Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 42 | 1813570000 |
| 3 | 20.32 | 0.800 | 36 | 1813580000 |
| 4 | 30.48 | 1.200 | 30 | 1813590000 |
| 5 | 40.64 | 1.600 | 24 | 1813600000 |
| 6 | 50.80 | 2.000 | 18 | 1813610000 |
| 7 | 60.96 | 2.400 | 18 | 1813620000 |
| 8 | 71.12 | 2.800 | 18 | 1813630000 |
| 9 | 81.28 | 3.200 | 12 | 1813640000 |

Ordering data

| length | | | 3.5 mm |
|---------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| | | | black |
| 10.16 m | ım | | |
| L1 | (inch) | Qty. | Order No. |
| 10.16 | 0.400 | 42 | 1851040000 |
| 20.32 | 0.800 | 36 | 1851050000 |
| 30.48 | 1.200 | 30 | 1851060000 |
| 40.64 | 1.600 | 24 | 1851070000 |
| 50.80 | 2.000 | 18 | 1851080000 |
| 60.96 | 2.400 | 18 | 1851090000 |
| 71.12 | 2.800 | 18 | 1851100000 |
| 81.28 | 3.200 | 12 | 1851110000 |
| | 10.16 m L1 10.16 20.32 30.48 40.64 50.80 60.96 71.12 | 10.16 mm L1 (inch) 10.16 0.400 20.32 0.800 30.48 1.200 40.64 1.600 50.80 2.000 60.96 2.400 71.12 2.800 | 10.16 mm L1 (inch) Qty. 10.16 0.400 42 20.32 0.800 36 30.48 1.200 30 40.64 1.600 24 50.80 2.000 18 60.96 2.400 18 71.12 2.800 18 |

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SU 10.16HP/../90MF



Male header in 90° outlet direction for TNC (S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The mating profile ensures touchsafety of more than 3 mm according to IEC 61800-5-1. Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.

• Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 78.3 A UL: 300 V / 60 A



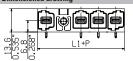
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- \bullet For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

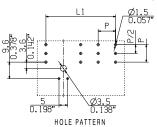
SU 10.16HP/../90MF2











Ordarina data

| UI | uei | IIIy | uata | ı |
|----|-------|------|--------|---|
| e. | aldar | nin | longth | |

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 20.32 | 0.800 | 60 | 2580340000 |
| 3 | 30.48 | 1.200 | 42 | 2580390000 |
| 5 | 40.64 | 1.600 | 36 | 2580410000 |
| 5 | 50.80 | 2.000 | 30 | 2597200000 |
| 6 | 60.96 | 2.400 | 24 | 2597210000 |
| | | | | |

Technical data

| lechnical data | | | | |
|-------------------------------|---------------|------|-----------|------|
| In compliance with IEC 60664- | 1 / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | Ш | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | lver-plat | |
| Pin dimensions = d | mm | | 1.2 x 1. | 1 |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

| Accessories | | |
|--------------------------------------------------------------------|------------------------|------------|
| Note: Refer to the Accessories chapter for additional accessories. | | |
| Coding | | Order No. |
| * | KO BU/SU10.16HP BK | 1824410000 |
| | KO BU/SU10.16HP WT | 2592600000 |
| | | |
| Mounting screw | | |
| | SU 10.16 BFSC P 35X 14 | 2812340000 |
| | SU 10.16 BFSC S 35X12 | 2812290000 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |





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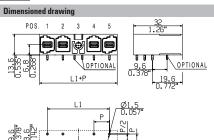
SU 10.16HP/../90MF3

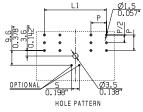
SU 10.16HP/../90MF4









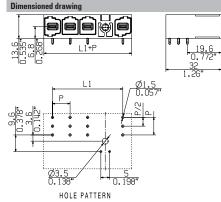


Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 42 | 2580400000 |
| 4 | 40.64 | 1.600 | 36 | 2580420000 |
| 5 | 50.80 | 2.000 | 30 | 2597220000 |
| 6 | 60.96 | 2.400 | 24 | 2597230000 |







Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 36 | 2580430000 |
| 5 | 50.80 | 2.000 | 30 | 2597240000 |
| 6 | 60.96 | 2.400 | 24 | 2597250000 |

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SU 10.16HP/../180



Male header with 180° outlet direction for TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, unique coding diversity and integral positioning aid.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 78.3 A UL: 300 V / 60 A



For additional articles and information, refer to eshop.weidmueller.com

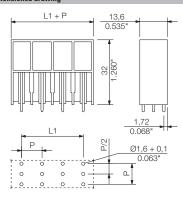
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16HP/../180G

without flanges







Toohnical data

| Technical data | | | | |
|--------------------------------|-------------|------|-----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | lver-plat | |
| Pin dimensions = d | mm | | 1.2 x 1. | 1 |
| Solder eyelet $\emptyset = D$ | mm | | 1.6 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------------|------------|--|--|
| Protection against twisting | | Order No. | | |
| . , | VDS180 SV7.62 | 1853940000 | | |
| - | | | | |
| , | | | | |
| Coding | | | | |
| 20 03 | KO BU/SU10.16HP BK | 1824410000 | | |
| - | KO BU/SU10.16HP WT | 2592600000 | | |
| • | | | | |
| Mounting scre | w | | | |
| | SU 10.16 BFSC P 35X 14 | 2812340000 | | |
| | SU 10.16 BFSC S 35X12 | 2812290000 | | |
| | | | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 90 | 1813410000 |
| 3 | 20.32 | 0.800 | 60 | 1813420000 |
| 4 | 30.48 | 1.200 | 42 | 1813430000 |
| 5 | 40.64 | 1.600 | 36 | 1813440000 |
| 6 | 50.80 | 2.000 | 30 | 1813450000 |
| 7 | 60.96 | 2.400 | 24 | 1813460000 |
| 8 | 71.12 | 2.800 | 18 | 1813470000 |
| 9 | 81.28 | 3.200 | 18 | 1813480000 |





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SU 10.16HP/../180F

Interlock flanges



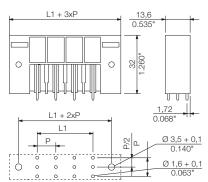
SU 10.16HP/../180SF

Interlock flanges with nuts



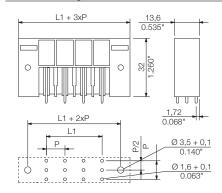


Dimensioned drawing





Dimensioned drawing



Ordering data

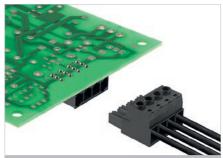
| Solder pir | ı length | | | 3.5 mm |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 42 | 1813650000 |
| 3 | 20.32 | 0.800 | 36 | 1813660000 |
| 4 | 30.48 | 1.200 | 30 | 1813670000 |
| 5 | 40.64 | 1.600 | 24 | 1813680000 |
| 6 | 50.80 | 2.000 | 18 | 1813690000 |
| 7 | 60.96 | 2.400 | 18 | 1813700000 |
| 8 | 71.12 | 2.800 | 18 | 1813710000 |
| 9 | 81.28 | 3.200 | 12 | 1813720000 |

Ordering data

| length | | | 3.5 mm |
|---------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| | | | black |
| 10.16 m | ım | | |
| L1 | (inch) | Qty. | Order No. |
| 10.16 | 0.400 | 42 | 1850880000 |
| 20.32 | 0.800 | 36 | 1850890000 |
| 30.48 | 1.200 | 30 | 1850900000 |
| 40.64 | 1.600 | 24 | 1850910000 |
| 50.80 | 2.000 | 18 | 1850920000 |
| 60.96 | 2.400 | 18 | 1850930000 |
| 71.12 | 2.800 | 18 | 1850940000 |
| 81.28 | 3.200 | 12 | 1850950000 |
| | 10.16 m L1 10.16 20.32 30.48 40.64 50.80 60.96 71.12 | 10.16 mm L1 (inch) 10.16 0.400 20.32 0.800 30.48 1.200 40.64 1.600 50.80 2.000 60.96 2.400 71.12 2.800 | 10.16 mm L1 (inch) Qty. 10.16 0.400 42 20.32 0.800 36 30.48 1.200 30 40.64 1.600 24 50.80 2.000 18 60.96 2.400 18 71.12 2.800 18 |

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SU 10.16HP/../270



Male header with 270° outlet direction for TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 78.3 A UL: 300 V / 60 A



For additional articles and information, refer to eshop.weidmueller.com

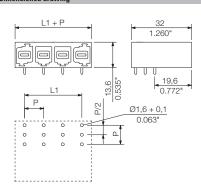
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SU 10.16HP/../270G

without flanges







Technical data

| In compliance with IEC 60664-1 / IEC | C 61984 | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------|---------------------------------------------------------|--------------------------|
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Data danders | | | | |
| Rated voltage | V | 300 | 300 | 600 |
| Rated voltage Rated current | V A | 300 60 | 300 60 | 600 5 |
| 3 | - | | | |
| Rated current | A | | 60 | |
| Rated current AWG conductor | A | 60 | 60 | 5 |
| Rated current AWG conductor CSA (Use Group) | A AWG | 60 B | 60 - C | 5 D |
| Rated current AWG conductor CSA (Use Group) Rated voltage | A AWG | 60 B 300 | 60 - C 300 | 5 D 600 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current | A AWG V A | 60 B 300 | 60 - C 300 | 5 D 600 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor | A AWG V A | 60 B 300 | 60 - C 300 | 5 D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG V A | 60 B 300 | 60 - C 300 60 - | 5 D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material | A AWG V A | B 300 60 | 60 - C 300 60 - | 5 D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating | A AWG V A | B 300 60 | 60 - C 300 60 - PBT GF V-0 | 5 D 600 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material | A AWG V A | 60 B 300 60 | 60 - C 300 60 - PBT GF V-0 Cu-alloy | 5 D 6 00 5 |
| Rated current AWG conductor CSA (Use Group) Rated voltage Rated current AWG conductor General data Type of insulation material UL 94 flammability rating Contact base material Material of contact surface | A AWG | 60 B 300 60 | 60 - C 300 60 PBT GF V-0 Cu-alloy | 5 D 6 00 5 |

Accessories

| Coding | | Order No. |
|---------------|------------------------|------------|
| 20 50 | KO BU/SU10.16HP BK | 1824410000 |
| - | KO BU/SU10.16HP WT | 2592600000 |
| • | | |
| Mounting scre | w | |
| | SU 10.16 BFSC P 35X 14 | 2812340000 |
| | SU 10.16 BFSC S 35X12 | 2812290000 |
| | | |

Ordering data

| Solder pi | n length | | | 3.5 mm |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 90 | 1813490000 |
| 3 | 20.32 | 0.800 | 60 | 1813500000 |
| 4 | 30.48 | 1.200 | 42 | 1813510000 |
| 5 | 40.64 | 1.600 | 36 | 1813520000 |
| 6 | 50.80 | 2.000 | 30 | 1813530000 |
| 7 | 60.96 | 2.400 | 24 | 1813540000 |
| 8 | 71.12 | 2.800 | 18 | 1813550000 |
| 9 | 81.28 | 3.200 | 18 | 1813560000 |





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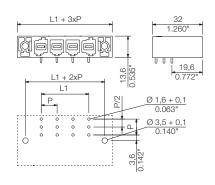
SU 10.16HP/../270F

Interlock flanges







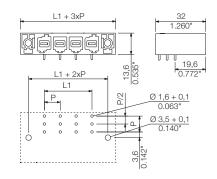


SU 10.16HP/../270SF

Interlock flanges with nuts







Ordering data

| Solder pin | length | | | 3.5 mm |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 42 | 1813730000 |
| 3 | 20.32 | 0.800 | 36 | 1813740000 |
| 4 | 30.48 | 1.200 | 30 | 1813750000 |
| 5 | 40.64 | 1.600 | 24 | 1813760000 |
| 6 | 50.80 | 2.000 | 18 | 1813770000 |
| 7 | 60.96 | 2.400 | 18 | 1813780000 |
| 8 | 71.12 | 2.800 | 18 | 1813790000 |
| 9 | 81.28 | 3.200 | 12 | 1813800000 |

Ordering data

| length | | | 3.5 mm |
|---------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| | | | black |
| 10.16 m | ım | | |
| L1 | (inch) | Qty. | Order No. |
| 10.16 | 0.400 | 42 | 1851120000 |
| 20.32 | 0.800 | 36 | 1851130000 |
| 30.48 | 1.200 | 30 | 1851140000 |
| 40.64 | 1.600 | 24 | 1851150000 |
| 50.80 | 2.000 | 18 | 1851160000 |
| 60.96 | 2.400 | 18 | 1851170000 |
| 71.12 | 2.800 | 18 | 1851180000 |
| 81.28 | 3.200 | 12 | 1851190000 |
| | 10.16 m L1 10.16 20.32 30.48 40.64 50.80 60.96 71.12 | 10.16 mm L1 (inch) 10.16 0.400 20.32 0.800 30.48 1.200 40.64 1.600 50.80 2.000 60.96 2.400 71.12 2.800 | 10.16 mm L1 (inch) Qty. 10.16 0.400 42 20.32 0.800 36 30.48 1.200 30 40.64 1.600 24 50.80 2.000 18 60.96 2.400 18 71.12 2.800 18 |

Weidmüller 3 2 0.217 2977770000

SU 10.16HP/../270MF



Male header with 270° outlet direction for TNC(S) systems. Enables UL approval for 600 V in accordance with UL61800-5-1 / UL840. The pin arrangement ensures more than 3 mm of touch-safety in acc. with IEC 61800-5-1.

Maximum connection and operating reliability thanks to: derating up to 125°C, pin arrangement that prevents wrong connections or incorrect wiring, and unique coding diversity.

Variants: flange and screw flange fastening.

Product data

IEC: 1000 V / 78.3 A UL: 300 V / 60 A



For additional articles and information, refer to eshop.weidmueller.com

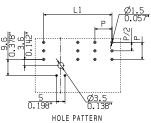
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
 Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- $\bullet\,$ For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

SU 10.16HP/../270MF2









Technical data

| lecillicai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 690 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PBT GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | 1.2 x 1. | 1 |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|------------------------|------------|--|--|
| Coding | | Order No. | | |
| 28 58 | KO BU/SU10.16HP BK | 1824410000 | | |
| | KO BU/SU10.16HP WT | 2592600000 | | |
| . , | | | | |
| Mounting screv | | | | |
| | SU 10.16 BFSC P 35X 14 | 2812340000 | | |
| | SU 10.16 BFSC S 35X12 | 2812290000 | | |
| | | | | |
| | | | | |

Ordering data

| Colour black Pitch 10.16 mm | n |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Pitch 10.16 mm | |
| | |
| Pol. L1 (inch) Qty. Order No. | |
| 2 10.16 0.400 60 258035000 | 000 |
| 2 10.16 0.400 60 258035000 3 20.32 0.800 42 258083000 4 30.48 1.200 36 258086000 5 40.64 1.600 30 259729000 | 000 |
| 4 30.48 1.200 36 258086000 | 000 |
| 5 40.64 1.600 30 259729000 | 000 |
| 6 50.80 2.000 24 259730000 | 000 |





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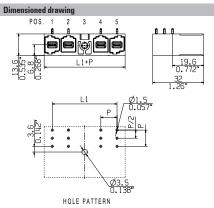
SU 10.16HP/../270MF3

SU 10.16HP/../270MF4



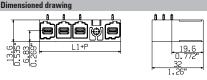


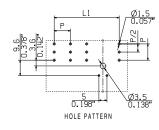












Ordering data

| Solder pir | ı length | | | 3.5 mm |
|------------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 20.32 | 0.800 | 42 | 2580850000 |
| 4 | 30.48 | 1.200 | 36 | 2580870000 |
| 5 | 40.64 | 1.600 | 30 | 2597310000 |
| 6 | 50.80 | 2.000 | 24 | 2597320000 |

Ordering data

| Solder pin | 3.5 mm | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 30.48 | 1.200 | 36 | 2580880000 |
| 5 | 40.64 | 1.600 | 30 | 2597330000 |
| 6 | 50.80 | 2.000 | 24 | 2597340000 |
| | | | | |

Weidmüller ₹ 0.219 2977770000

SUZ 10.16HP/../180



Male plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. The mating profile ensures touch safety of more than 3 mm according to IEC 61800-5-1 when connected.

Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capbility.

· Available with a flange (F) and screw flange on request.

Product data

IEC: 1000 V / 78 A / 0.2 - 16 mm² UL: 600 V / 57 A / AWG 24 - 6



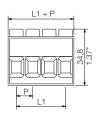
For additional articles and information, refer to eshop.weidmueller.com

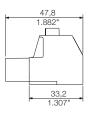
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
 Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

SUZ 10.16HP/../180G









Technical data

| In compliance with IEC 60664-1 / I | EC 61984 | 1 | | | | |
|------------------------------------|-----------------|-------|-----------|------|--|--|
| Clamping range, max. | mm ² | | 0.216 | | | |
| Solid core H05(07) V-U | mm² | | 0.216 | i | | |
| Stranded H07 V-R | | | 16 | | | |
| Flexible H05(07) V-K | mm ² | | 0.516 | | | |
| Flexible with ferrule | mm ² | (| 0.251 | 6 | | |
| Ferrule with plastic collar | mm ² | (| 0.251 | 0 | | |
| Stripping length | mm | | 12 | | | |
| Screwdriver blade | mm | | 1.0 x 5. | 5 | | |
| According to norm | | [| IN 526 | 4 | | |
| Tightening torque range | Nm | | 1.21.5 | 5 | | |
| Rated current, max. | Α | 78 | | 72 | | |
| At ambient temperature | | 20°C | | 40°C | | |
| For conductor cross-section | mm ² | | 16 | | | |
| Overvoltage category | | Ш | Ш | Ш | | |
| Pollution severity | | 3 | 2 | 2 | | |
| Rated voltage | V | 1000 | 1000 | 1000 | | |
| Rated impulse voltage | kV | 8 | 8 | 6 | | |
| UL / CUL (Use Group) | | B C D | | D | | |
| Rated voltage | V | 600 | 600 | 600 | | |
| Rated current | Α | 57 | 57 | 5 | | |
| AWG conductor | AWG | | 24-6 | | | |
| CSA (Use Group) | | В | C | D | | |
| Rated voltage | V | 600 | 600 | 600 | | |
| Rated current | Α | 57 | 57 | 5 | | |
| AWG conductor | AWG | | 24-6 | | | |
| General data | | | | | | |
| Type of insulation material | | | PA GF | | | |
| UL 94 flammability rating | | | V-0 | | | |
| Contact base material | | | Cu-alloy | | | |
| Material of contact surface | | si | lver-plat | ed | | |
| Pin dimensions = d | mm | | | | | |
| Caldan analas (IIII D | | | | | | |
| Solder eyelet $\emptyset = D$ | | | | | | |

Accessories

| Coding | | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|
| 22 755 | KO BU/SU10.16HP BK | 1824410000 |
| - | KO BU/SU10.16HP WT | 2592600000 |
| • | | |
| Screwdriver | | |
| M | SDIS 1.0X5.5X125 | 2749850000 |
| - | | |
| | | |
| Crosshead scre | wdriver | |
| 1 | SDIK PZ2 X 100 | 2749930000 |
| A CONTRACTOR OF THE PARTY OF TH | SDK PZ2 X 100 | 2749450000 |
| / | | |

Ordering data

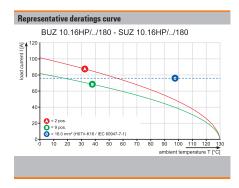
| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | black | | |
| Pitch | 10.16 m | ım | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 10.16 | 0.400 | 64 | 1947480000 | | |
| 3 | 20.32 | 0.800 | 44 | 1947490000 | | |
| 4 | 30.48 | 1.200 | 32 | 1947500000 | | |
| 5 | 40.64 | 1.600 | 26 | 1947510000 | | |
| 6 | 50.80 | 2.000 | 22 | 1966920000 | | |
| 7 | 60.96 | 2.400 | 18 | 1966930000 | | |
| 8 | 71.12 | 2.800 | 16 | 1962400000 | | |
| 9 | 81.28 | 3.200 | 14 | 1966910000 | | |











2977770000 **Weidmüller № 0.221**

BUZ 10.16HP/../180



Female plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. Ensures touch-safety of

- > 3 mm in accordance with IEC 61800-5-1.

 Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.
- Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 78.3 A / 0.2 - 16 mm² UL: 600 V / 60 A / AWG 22 - 4



For additional articles and information, refer to eshop.weidmueller.com

Note:

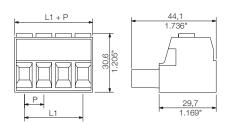
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUZ 10.16HP/../180





Dimensioned drawin



Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|--------------------------------|-----------------|-------|-----------|------|
| Clamping range, max. | mm ² | | 0.216 | |
| Solid core H05(07) V-U | mm ² | | 0.216 | ; |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | |
| Flexible with ferrule | mm ² | 1 | 0.251 | 6 |
| Ferrule with plastic collar | mm ² | 1 | 0.251 | 6 |
| Stripping length | mm | | 12 | |
| Screwdriver blade | mm | | 1.0 x 5. | 5 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | Nm | | 1.22 | |
| Rated current, max. | Α | 78.3 | | 70.6 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | Ш | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | B C D | | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | 600 |
| Rated current | Α | 60 | 60 | 5 |
| AWG conductor | AWG | | 22-4 | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | si | lver-plat | ed |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Coding | | Order No. |
|----------------|--------------------|------------|
| 20 50 | KO BU/SU10.16HP BK | 1824410000 |
| - | KO BU/SU10.16HP WT | 2592600000 |
| • | | |
| Screwdriver | | |
| W | SDIS 1.0X5.5X125 | 2749850000 |
| - | | |
| | | |
| Crosshead scre | wdriver | |
| 0 | SDIK PZ2 X 100 | 2749930000 |
| 1 | SDK PZ2 X 100 | 274945000 |
| / | | |

Ordering data

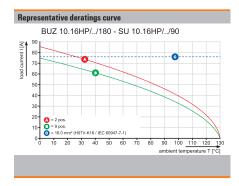
| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | black | | |
| Pitch | 10.16 m | ım | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 10.16 | 0.400 | 60 | 1924540000 | | |
| 3 | 20.32 | 0.800 | 40 | 1924550000 | | |
| 4 | 30.48 | 1.200 | 28 | 1924560000 | | |
| 5 | 40.64 | 1.600 | 24 | 1924570000 | | |
| 6 | 50.80 | 2.000 | 20 | 1924580000 | | |
| 7 | 60.96 | 2.400 | 16 | 1924590000 | | |
| 8 | 71.12 | 2.800 | 12 | 1924600000 | | |
| 9 | 81.28 | 3.200 | 12 | 1924610000 | | |











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BUZ 10.16HP/../180F

BUZ 10.16HP/../180SF



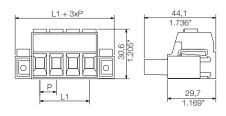


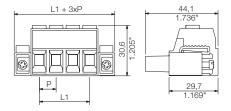










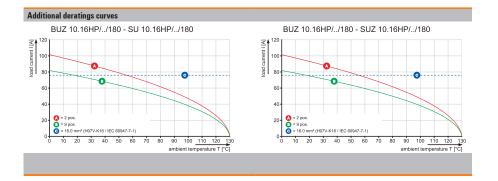


Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | black | | |
| Pitch | 10.16 m | ım | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 2 | 10.16 | 0.400 | 28 | 1924620000 | | |
| 3 | 20.32 | 0.800 | 24 | 1924630000 | | |
| 4 | 30.48 | 1.200 | 20 | 1924640000 | | |
| 5 | 40.64 | 1.600 | 16 | 1924650000 | | |
| 6 | 50.80 | 2.000 | 12 | 1924660000 | | |
| 7 | 60.96 | 2.400 | 12 | 1924670000 | | |
| 8 | 71.12 | 2.800 | 12 | 1924680000 | | |
| 9 | 81.28 | 3.200 | 8 | 1924690000 | | |

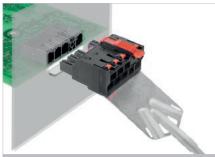
Ordering data

| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | | | | black | | | |
| Pitch | 10.16 m | ım | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 2 | 10.16 | 0.400 | 28 | 1924700000 | | | |
| 3 | 20.32 | 0.800 | 24 | 1924710000 | | | |
| 4 | 30.48 | 1.200 | 20 | 1924720000 | | | |
| 5 | 40.64 | 1.600 | 16 | 1924740000 | | | |
| 6 | 50.80 | 2.000 | 12 | 1924750000 | | | |
| 7 | 60.96 | 2.400 | 12 | 1924760000 | | | |
| 8 | 71.12 | 2.800 | 12 | 1924770000 | | | |
| 9 | 81 28 | 3 200 | 8 | 1924780000 | | | |



Weidmüller **₹** 0.223 2977770000

BUF 10.16IT/../180MF SH



PUSH IN female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 76 A / 2.5 - 16 mm² UL: 600 V / 51 A / AWG 12 - 6



For additional articles and information, refer to eshop.weidmueller.com

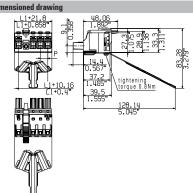
Note:

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUF 10.16IT/../180MF2 SH180







Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 4 | 40.64 | 1.600 | 20 | 2627720000 |
| | | | | |

Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
|--------------------------------|-----------------|---------------|-----------|------|
| Clamping range, max. | mm ² | | 2.516 | |
| Solid core H05(07) V-U | mm² | | 2.510 |) |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 2.516 | |
| Flexible with ferrule | mm ² | | 2.516 | |
| Ferrule with plastic collar | mm ² | | 2.516 | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | | 0.8 x 4.0 | 0 |
| According to norm | | [| OIN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 76 | | 70 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | B C D | | |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 51 | 51 | |
| AWG conductor | AWG | | 12-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | silver-plated | | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|--------------------|------------|--|--|
| Coding | | Order No. | | |
| 20 755 | KO BU/SU10.16HP BK | 1824410000 | | |
| - | KO BU/SU10.16HP WT | 2592600000 | | |
| . , | | | | |
| Screwdriver | | | | |
| Ø | SDS 0.8X4.5X125 | 2749370000 | | |
| | | | | |
| / | | | | |
| | | | | |

Representative dimensional drawing



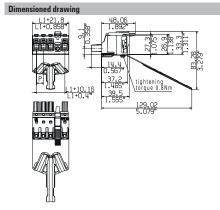


BUF 10.16IT/../180MF4 SH180









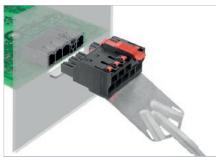
Ordering data

| Solder pin length | | | | | | |
|-------------------|---------|--------|------|------------|--|--|
| Colour | | | | black | | |
| Pitch | 10.16 m | m | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | |
| 4 | 40.64 | 1.600 | 20 | 2627750000 | | |

2977770000 **Weidmüller ₹ 0.225**

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BUF 10.16IT/../180MSF SH



PUSH IN female plug with 180° outlet direction for IT power networks. Meets the requirements of UL1059 for 600 V Use Group C. Leading PE contact in combination with the male header SU 7.62 IT. Meets the enhanced requirements for 5.5 mm of touch safety on IT power networks in acc. with IEC 61800-5-1 for 400 V relative to earth. The self-locking middle flange which can also be optionally screwed, reduces the space requirements by one pitch width compared to conventional solutions.

The pluggable shield connection has a wide contact area on the device housing and does not need to be bolted.

Product data

IEC: 1000 V / 76 A / 2.5 - 16 mm² UL: 600 V / 51 A / AWG 12 - 6



For additional articles and information, refer to eshop.weidmueller.com

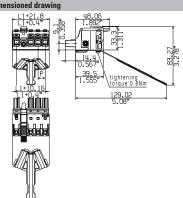
Note:

- · Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the heard
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUF 10.16IT/../180MSF2 SH180







Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | | |
|--------------------------------------------------------------------|--------------------|------------|--|--|--|
| Coding | | Order No. | | | |
| 20 00 | KO BU/SU10.16HP BK | 1824410000 | | | |
| - | KO BU/SU10.16HP WT | 2592600000 | | | |
| • | | | | | |
| Screwdriver | | | | | |
| 1 | SDS 0.8X4.5X125 | 2749370000 | | | |
| | | | | | |
| / | | | | | |
| | | | | | |

Ordering data

| Solder p | in length | | | |
|----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 | mm | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 3 | 30.48 | 1.200 | 20 | 2627860000 |

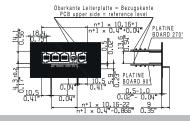
Technical data

| In compliance with IEC 60664-1 | I / IEC 61984 | ŀ | | |
|--------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | | 2.516 | |
| Solid core H05(07) V-U | mm² | | 2.510 |) |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 2.516 | |
| Flexible with ferrule | mm ² | | 2.516 | |
| Ferrule with plastic collar | mm ² | | 2.516 | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | - | 0.8 x 4.0 |) |
| According to norm | | | IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 76 | | 70 |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 51 | 51 | |
| AWG conductor | AWG | | 12-6 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | si | lver-plat | ed |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

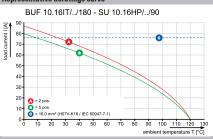
Representative dimensional drawing

proposal min. metal front plate cut out for BU...M(S)F/SU...M(S)F with shielding plate

Oberkante Leiterplatte = Rezugskante



Representative deratings curve





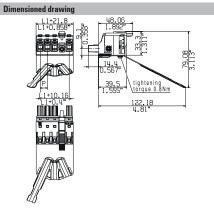


BUF 10.16IT/../180MSF4 SH200









Ordering data

| Solder pin length | | | | | | | |
|-------------------|---------|--------|------|------------|--|--|--|
| Colour | | | | black | | | |
| Pitch | 10.16 m | ım | | | | | |
| Pol. | L1 | (inch) | Qty. | Order No. | | | |
| 4 | 40.64 | 1.600 | 20 | 2627950000 | | | |

2977770000 **Weidmüller 3€ 0.227**

BUF 10.16IT/../180



Female plug in 180° outlet direction with clamping yoke screw connection for TNC (S) systems. Meets the requirements of UL1059 for 600 V Use Group C. Ensures touch-safety of

- > 3 mm in accordance with IEC 61800-5-1. Maximum operational reliability with a derating up to 125°C, a mating profile that can only be plugged in correct and unique coding capability.
- Available with a flange (F) and screw flange (SF).

Product data

IEC: 1000 V / 76 A / 2.5 - 16 mm² UL: 600 V / 51 A / AWG 12 - 6



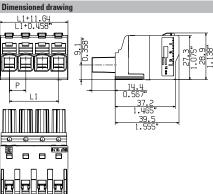
For additional articles and information, refer to eshop.weidmueller.com

- Additional variants on request
- · Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 $^{\circ}\text{C}$ and maximum humidity 70%, 36 months

BUF 10.16IT/../180







Technical data

| In compliance with IEC 60664-1 | / IEC 61984 | | | |
|-----------------------------------------------|-----------------|------|-----------|------|
| Clamping range, max. | mm ² | | 2.516 | |
| Solid core H05(07) V-U | mm ² | | 2.510 |) |
| Stranded H07 V-R | | | 16 | |
| Flexible H05(07) V-K | mm ² | | 2.516 | |
| Flexible with ferrule | mm ² | | 2.516 | |
| Ferrule with plastic collar | mm ² | | 2.516 | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | - | 0.8 x 4.0 | 0 |
| According to norm | | [| IN 526 | 4 |
| Tightening torque range | | | | |
| Rated current, max. | Α | 76 | | 70 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 1000 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 8 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 51 | 51 | |
| AWG conductor | AWG | | 12-6 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | | | |
| Rated current | Α | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | si | ver-plat | ed |
| Pin dimensions = d | mm | | | |
| i iii diiiioiioiio d | 111111 | | | |
| Solder eyelet Ø = D Solder eyelet Ø tolerance | 111111 | | | |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | | |
|---------------------------------------------------------------------------|--------------------|------------|--|--|
| Coding | | Order No. | | |
| 22 53 | KO BU/SU10.16HP BK | 1824410000 | | |
| | KO BU/SU10.16HP WT | 2592600000 | | |
| • | | | | |
| Screwdriver | | | | |
| 0 | SDS 0.8X4.5X125 | 2749370000 | | |
| | | | | |
| / | | | | |

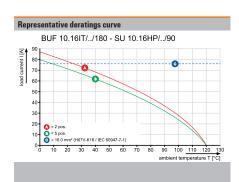
Ordering data

| Solder pi | n length | | | |
|-----------|----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 56 | 2493170000 |
| 3 | 20.32 | 0.800 | 36 | 2493400000 |
| 4 | 30.48 | 1.200 | 28 | 2493410000 |
| 5 | 40.64 | 1.600 | 24 | 2493420000 |
| | | | | |









BUF 10.16IT/../180F

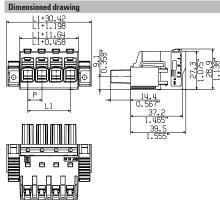
BUF 10.16IT/../180SF







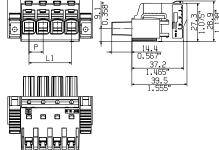










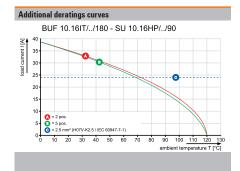


Ordering data

| Solder pin | length | | | |
|------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 28 | 2493300000 |
| 3 | 20.32 | 0.800 | 24 | 2493310000 |
| 4 | 30.48 | 1.200 | 20 | 2493320000 |
| 5 | 40.64 | 1.600 | 16 | 2493330000 |

Ordering data

| Solder pi | in length | | | |
|-----------|-----------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | m | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 28 | 2493340000 |
| 3 | 20.32 | 0.800 | 24 | 2493350000 |
| 4 | 30.48 | 1.200 | 20 | 2493360000 |
| 5 | 40.64 | 1.600 | 16 | 2493370000 |



Weidmüller **₹** 0.229 2977770000

BUL 10.16HP/../180



Finger-safe female header with 180° outlet direction for PCBs. Meets the requirements of IEC 61800-5-1 and allows UL approval in accordance with UL508 / UL840 for 600 V. An ideal finger-safe solution for power output and DC-link applications. The pin arrangement is finger-safe. The assembly coding ensures that it cannot be assembled on the PCB turned

Features:

through 180°.

- Derating up to 130°C, 100%
- Pin arrangement that prevents wrong connections or wrong wiring
- Unique coding diversity and assembly coding

Product data

IEC: 1000 V / 76 A UL: 300 V / 57 A



For additional articles and information, refer to eshop.weidmueller.com

Note:

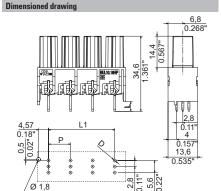
- Additional variants on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

BUL 10.16HP/../180

Without flange







Ordering data

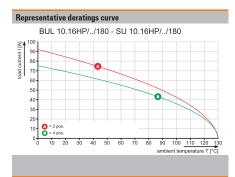
| Soluei hili | iengui | | | 4.3 11111 |
|-------------|---------|--------|------|------------|
| Colour | | | | black |
| Pitch | 10.16 m | ım | | |
| Pol. | L1 | (inch) | Qty. | Order No. |
| 2 | 10.16 | 0.400 | 50 | 1289000000 |
| 3 | 20.32 | 0.800 | 50 | 1341270000 |
| 4 | 30.48 | 1.200 | 50 | 1289010000 |
| | | | | |

| Technical data | | | | |
|--------------------------------|-------------|---------------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 76 | | 69 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 630 | 630 | 1000 |
| Rated impulse voltage | kV | 6 | 6 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 57 | 57 | 5 |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 600 |
| Rated current | Α | 57 | 57 | 5 |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | Cu-alloy | | |
| Material of contact surface | | silver-plated | | |
| Pin dimensions = d | mm | (|).8 x 1. | 0 |
| Solder eyelet $\emptyset = D$ | mm | | 1.3 | |
| Solder eyelet Ø tolerance | mm | | + 0,1 | |
| | | | | |

Accessories

| | Order No. |
|--------------------|------------|
| KO BU/SU10.16HP BK | 1824410000 |
| KO BU/SU10.16HP WT | 2592600000 |
| | |
| | |
| | |





0.230 Weidmüller ₹ 2977770000

OMNIMATE® Power BUS connection system

| OMNIMATE® Power | Explanation | P.2 |
|-----------------------|---------------------------------------------|-----|
| BUS connection system | OMNIMATE® Power BUS connection system 160 A | P.4 |

2977770000 **Weidmüller** ₹ P.1

Quick and simple installation of energy recovery by DC-Link for drives OMNIMATE® Power BUS connection system

In the field of power electronics, straightforward and economical installation is becoming increasingly important. The new OMNIMATE® Power BUS connection system is the optimal busbar solution for use in IP20 multi-axis servo drives for intermediate circuits for energy recovery and 24V control voltage supplies.

The innovative latch-in bus system consists of two different busbar connectors with spring contacts. They enable a fast, tool-free connection of individual modules in addition to the connection of the entire module network to the power supply. A significant advantage of the modular system is the possibility of connecting intermediate circuits to the front or top of the device. Thus, the system is ideally adaptable to any particular installation conditions.

Your special advantages:

- Quick and easy installation of multi-axis servo drives without tools
- 100 % finger-safe system construction due to insulation end cap
- Safe latching of the busbar connectors
- Tolerance compensation for a module offset of up to 2 mm
- Simple device integration and uncomplicated device approval

P.2 Weidmüller ₹ 2977770000

Quick and easy installation
The simple plug-and-play solution is ideal for the fast, tool-free replacement of individual modules from a network of multi-axis servo drives.

High safety

The system guarantees a secure, absolutely finger-safe latching of the busbar connectors. The tolerance compensation of the rail system facilitates the secure fastening of the entire axle system.





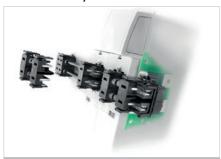
Simple device integration

The use of already registered UL components promotes approval. Besides, development becomes superflous, the project lead time shortens, and unnecessary investments decline significantly.



Weidmüller **₹** P.3

BUS connection system 160 A



Modular current bar solution from Weidmüller. Optimally designed for use in IP20 multi-axis servo amplifiers for the intermediate circuit and the 24 V control voltage supply. The busbar system is designed in such a way that each module in the same axis system is quickly and easily connected to a spring contact by snapping a current bar into place. No tools are required for the innovative snap-in bus system. This simplifies assembly and installation.

Product data

IEC: 1000 V / 160 A UL: 750 V / 160 A



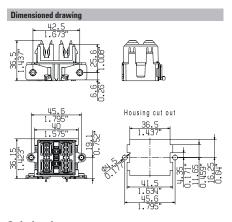
For additional articles and information, refer to eshop.weidmueller.com

Note

- Additional variants on request
- $\bullet\,$ IEC-rated current is based on 20 °C ambiente temperature, further values see derating curve
- UL508-rated current based on 65 °C ambiente temperature and max.
 20 devices
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

PB-CON 160





Technical data

| I CUIIII Cai uata | | | | |
|--------------------------------|-------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | | | | |
| Solid core H05(07) V-U | | | | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | | | | |
| Flexible with ferrule | | | | |
| Ferrule with plastic collar | | | | |
| Stripping length | | | | |
| Screwdriver blade | mm | | | |
| According to norm | | | | |
| Tightening torque range | | | | |
| Rated current, max. | Α | 160 | | 140 |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | | | | |
| Overvoltage category | | III | III | Ш |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | V | 800 | 1000 | 1000 |
| Rated impulse voltage | kV | 8 | 8 | 6 |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | | | | |
| Rated current | | | | |
| AWG conductor | AWG | | - | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | | | | |
| Rated current | | | | |
| AWG conductor | AWG | | - | |
| General data | | | | |
| Type of insulation material | | | PA GF | |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | Cu-alloy | | | |
| Material of contact surface | | sil | ver-plat | ed |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Note: Refer to the | Accessories chapter for additional acces | sories. |
|--------------------|------------------------------------------|------------|
| Cover | | Order No. |
| | PB-ENDCAP 160 02RF BK BX | 2594970000 |
| | | |
| | | |
| Coding | | |
| | PB-CO RD | 2654620000 |
| | | |
| | | |
| Mounting scre | W | |
| 9 | PB-CON IKSC M4X8 A2 | 2708610000 |
| | PB-CON SF DELTA PT 40X12 | 2708620000 |
| | | |
| | | |

Ordering data

| Solder pin | length | | |
|------------|----------|------|------------|
| Colour | | | black |
| Pitch | 42.50 mm | | |
| L2 | (inch) | Qty. | Order No. |
| | | 20 | 2594720000 |
| | | | |

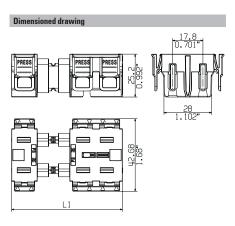
P.4 Weidmüller € 2977770000

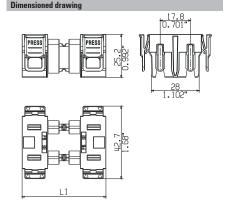
PB- FEED 160

PB-LINK 160









Ordering data

| Solder pin | length | | |
|------------|----------|------|------------|
| Colour | | | black |
| Pitch | 42.50 mm | | |
| L2 | (inch) | Qty. | Order No. |
| | | 20 | 2594950000 |
| | , | 10 | 2595180000 |

Ordering data

| Solder pin | length | | |
|------------|----------|------|------------|
| Colour | | | black |
| Pitch | 42.50 mm | | |
| L2 | (inch) | Qty. | Order No. |
| | | 20 | 2595540000 |
| | | 10 | 2594960000 |

2977770000 **Weidmüller № P.5**

P

P.6 Weidmüller ₹ 2977770000

OMNIMATE® Power Through-Panel Terminals

| OMNIMATE® Power Through-Panel Terminals | Through-Panel Terminals for devices Series PGK 4 and WGK | | |
|-----------------------------------------|---------------------------------------------------------------------------|------------------------------|--------------|
| Tillough Funci Torninais | outies fait 4 and Walk | Explanation | 0.2 |
| | | System overview | 0.6 |
| | | Quick selection | 0.8 |
| | Through-Panel Terminals for devices Series PGK 4 – PUSH IN connection | | |
| | | Product selection | |
| | | - Max. clamping range 4 mm² | Q .10 |
| | Through-Panel Terminals for devices Series WGK – connects up to 95 mm² | | |
| | | Product selection | |
| | | - Max. clamping range 6 mm² | Q.12 |
| | | - Max. clamping range 10 mm² | 0.14 |
| | | - Max. clamping range 16 mm² | 0.16 |
| | | - Max. clamping range 25 mm² | 0.18 |
| | | - Max. clamping range 35 mm² | 0.20 |
| | | - Max. clamping range 50 mm² | 0.22 |
| | | - Max. clamping range 95 mm² | 0.24 |

2977770000 **Weidmüller 3**€ **0.1**

OMNIMATE® – PUSH IN PGK 4 through-panel terminal

Comfortable, cost-saving installation and connection of conductors up to 4 mm²

In your applications space is limited. Save space and time for your housing feedthrough with our flexible connection system.

You are looking for a space-saving solution to quickly install wire connections for your device with panel or housing feed-throughs.

You'll find what you are looking for with our innovative PUSH IN connectivity technology solutions. Our PGK 4 feed-through terminal is worthy of note for its tool-free wire connection on the interior and exterior of your device. Thanks to its flexible, sliced construction and the intuitive fastening mechanism, it's easy for you to build blocks with plenty of poles.

With such features, our PGK 4 is currently the most compact and fastest solution for housing feedthroughs.

Flexible application options

Due to its construction with only 5.1 mm wide slices, you can build simple, space-saving terminal blocks with plenty of poles.





Clear marking

The terminals can be clearly labelled on the top and bottom, so that the terminal block can always be marked regardless of mounting position.





Enjoy the benefits of the intuitive fastening mechanism and the ability to fasten the terminal block in the housing cut-out in seconds.





1.2 Weidmüller 🏖

Secure attachment through thick and thin

The innovative terminal block fixing mechanism ensures a safe and reliable hold for the device feedthrough and is suited to panel thicknesses between 1.50 mm and 3.00 mm.



cross-section

Solid contact with a large connection

Our innovative PUSH IN connection technology allows users to quickly and conveniently connect conductors. It also meets the need for permanent and vibration-resistant contacts. Conductor connections with a cross-section of up to 4.0 mm² with ferrules are possible.



You can perform a simple function check at any time using the easily accessible diagnostic test points.





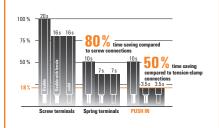
Future-proofed materials and approvals

Halogen-free materials and additional international approvals increase the application options for new device designs.



Direct connected

PUSH IN the quick, tool-free, intuitive connection mechanism for prepared wires. www.push-in.com



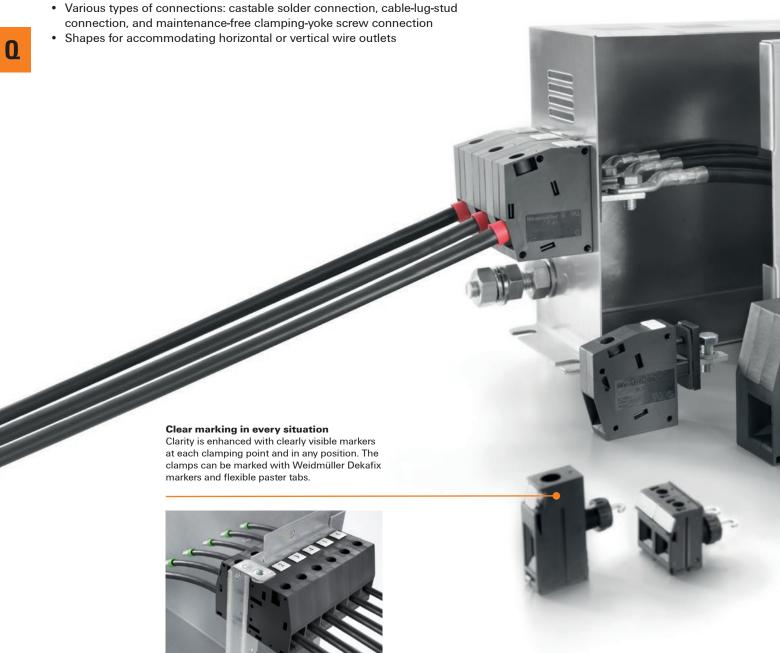
2977770000 **Weidmüller ₹ 0.3**

Through-Panel Terminals WGK – OMNIMATE® Power

The universal solution to feed power through housing walls. Suitable for applications such as EMC filters, discretely structured converters for drive engineering, encapsulated equipment or inverters in the production of renewable energy.

Choose from the flexible range:

 Wide performance spectrum for currents up to 232 A and wire cross sections from 4 to 95 mm² (AWG 4/0)



0.4 Weidmüller ₹ 2977770000

Safety with extra power

The high-performance insulating material WEMID meets maximum system availability requirements: With an RTI (relative temperature index) of 120 °C, the OMNIMATE® power Through-Panel Terminals exceed the highest continued use temperature of standard PA (100 °C) at +20° K, thus creating more power reserves and maximum safety with temperature fluctuations and overloads





WGK series lead-through terminals consist of an inside and outside component that are easily locked with one another through the housing wall without any tools.



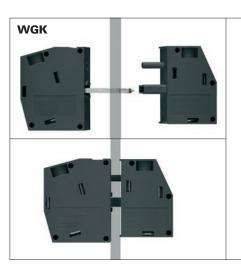


Solid and proven connection Connections proven a million times. The terminal unit consists of hardened steel, for very high contact force. The current bar is made of copper, which gives a low voltage drop. The tin-plated surface ensures minimum contact resistances.



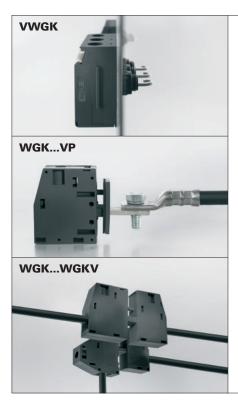


WGK series – System overview



Easy installation

WGK series feedthrough terminals consist of an inside and outside component that are easily locked with one another through the housing wall without any tools



Maximum freedom of design

Different types of connection on the inside such as a castable soldering connection (VWGK...), cable lug bolt connection (WGK ...VP) and a no-service clamping yoke-screw connection (WGK...) provide the optimum connection in any installation situation.

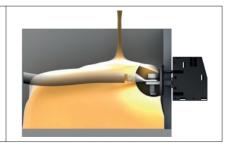
Weidmüller offers two models with a horizontal (WGK) and vertical (WGKV) outgoing direction to adapt the conductor guide to the given installation conditions.

Weidmüller ₹ 2977770000

OMNIMATE® Power Through-Panel Terminals

The VP and VWGK models of the WGK lead-through terminals with an insulating housing and clamping yoke connection on the outside are enhanced for use in encapsulated and cast equipment (such as EMV filters).

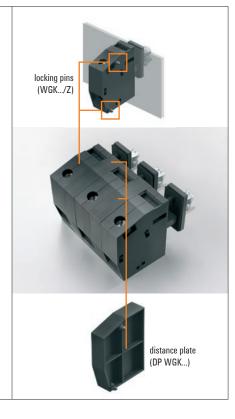
These products are developed for 100 % sealing in completely cast units.



All Through-Panel Terminals terminals are available with pins (WGK.../Z) for easy locking. Multi-pole blocks can be built up quickly and easily.

Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.

Distance plates (DP WGK...) can be easily mounted with locking pins.



2977770000 **Weidmüller 3 0.7**

http://www.OMNIMATE.net

| Through-Panel terminals - WGK | | | | | | |
|-------------------------------|------------------------|-----------------------------------------|----------------------------------------------|---|-------------------|------------------------|
| Device Outside | Device Inside | | | | ve | rtical |
| Type of connection | 1 | Clamping range IEC Clamping range UL | Max. rated voltage IEC Nominal current UL | | Туре | Outlet direction |
| PUSH IN | PUSH IN | 0.5 - 4 mm² 24 - 10 AWG | 32 A 30 A | | PGK 4 | horizontal |
| Screw Clamping yoke | Solder connection | 0.5 - 6 mm² 30 - 10 AWG | 32 A 30 A | 9 | VWGK 4 | horizontal |
| | | 0.5 - 10 mm² 22 - 8 AWG | 41 A 50 A | 1 | VWGK 6 | horizontal |
| | Screw Clamping yoke | 0.5 - 6 mm² 30 - 10 AWG | 32 A 30 A | | WGK 4 WGKV 4 | horizontal vertical |
| | | 0.5 - 16 mm² 24 - 6 AWG | 57 A 65 A | | WGK 10 WGKV 10 | horizontal vertical |
| | Screw Clamping yoke | 0.5 - 25 mm² | 76 A | | WGK 16 WGKV 16 | horizontal vertical |
| | Cable lug | 20 - 4 AWG | 85 A | 1 | WGK 16 VP | horizontal |
| | Screw Clamping yoke | 6 - 35 mm² | 101 A 100 A | | WGK 25 WGKV 25 | horizontal vertical |
| | Cable lug | 10 - 3 AWG | | | WGK 25 VP | horizontal |
| | Screw Clamping yoke | 16 - 50 mm² | 150 A | | WGK 50 | horizontal |
| | Cable lug | 6 - 1/0 AWG | 145 A | | WGK 50 VP | horizontal |
| | Screw Clamping yoke | 35 - 95 mm² | 232 A | | WGK 95 | horizontal |
| | Cable lug | 4 - 4/0 AWG | 230 A | | WGK 95 F VP | horizontal |
| | | | | | | |

回然樹絲回

Outlet direction

Device outside _ Device inside

Weidmüller 🛣 2977770000

| Max. rated voltage IEC | 400 V | 500 | D V | 690 V | 1,000 V |
|---------------------------|-------|-----|-----|-------|---------|
| Nominal voltage UL | 30 | 0 V | | 600 V | |
| | | | | | |
| | | 0 | | | |
| | | | | | |
| | | 0 | | | |
| | 0 | | | | |
| | | | | | |
| | | | 0 | | |
| | | | 0 | | |
| | | | | 0 | |
| | | | | 0 | |
| | | | | 0 | |
| | | | | 0 | |
| | | | | | 0 |
| | | | | | 0 |

2977770000 **Weidmüller № 0.9**

max. clamping range: 4 mm²



The PGK 4 device feed-through terminal is the fastest and most compact solution for feed-throughs in housings.

The innovative PUSH IN connection system from Weidmüller makes for a simple, tool-free wire connection on the inside and outside of devices. The sliced design and an intuitive fastening mechanism enable high-density blocks to be constructed quickly and easily.

Product data

IEC: 500 V / 32 A / 0.5 - 4 mm² UL: 300 V / 30 A / AWG 24 - 10



For additional articles and information, refer to eshop.weidmueller.com

Note:

- End plate required
- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

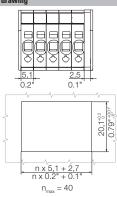
PGK 4

PUSH IN connection





Dimensioned drawin



Technical data

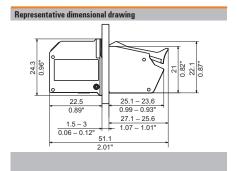
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | | |
|--------------------------------|-----------------|------|----------|------|--|
| Clamping range, max. | mm ² | | 0.54 | | |
| Solid core H05(07) V-U | mm ² | | 0.54 | | |
| Stranded H07 V-R | | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | | |
| Flexible with ferrule | mm ² | | 0.54 | | |
| Ferrule with plastic collar | mm ² | - 1 | 0.52. | 5 | |
| Stripping length | mm | | 12 | | |
| Screwdriver blade | mm | (| 0.4 x 2. | 5 | |
| According to norm | | | | | |
| Tightening torque range | | | | | |
| Rated current, max. | Α | 32 | | | |
| At ambient temperature | | 20°C | | 40°C | |
| For conductor cross-section | mm ² | | 4 | | |
| Overvoltage category | | III | III | II | |
| Pollution severity | | 3 | 2 | 2 | |
| Rated voltage | | 500 | | | |
| Rated impulse voltage | | 6 | | | |
| UL / CUL (Use Group) | | В | С | D | |
| Rated voltage | V | 300 | 150 | 300 | |
| Rated current | Α | 30 | 30 | 30 | |
| AWG conductor | AWG | | 24-10 | | |
| CSA (Use Group) | | В | C | D | |
| Rated voltage | V | 300 | 150 | 300 | |
| Rated current | Α | 30 | 30 | 30 | |
| AWG conductor | AWG | | 24-10 | | |
| General data | | | | | |
| Type of insulation material | | W | emid (F | PA) | |
| UL 94 flammability rating | | | V-0 | | |
| Contact base material | | | Cu-alloy | 1 | |
| Material of contact surface | | | tinned | | |
| Pin dimensions = d | mm | | | | |
| Solder eyelet $\emptyset = D$ | | | | | |
| Solder eyelet Ø tolerance | mm | | | | |
| | | | | | |

Accessories

| | Order No. |
|---------------------|------------------------------------------|
| VREL PGK4 OR VPE 30 | 1288610000 |
| | |
| | |
| g | |
| PS 2.3 RT | 0180400000 |
| | |
| | |
| | |
| SDS 0.4X2.5X75 | 2749320000 |
| SDS 0.5X3.0X80 | 2749330000 |
| | |
| | |
| PZ 6/5 | 9011460000 |
| | |
| | PS 2.3 RT SDS 0.4X2.5X75 SDS 0.5X3.0X80 |

Ordering data

| | | With lock pins |
|----------|------|----------------|
| T | 04 | O-1N- |
| Туре | Qty. | Order No. |
| PGK 4 BK | 100 | 1288470000 |
| | | |





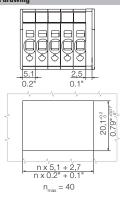
PGK 4 BT

PUSH IN connection





Dimensioned drawing



Dimensioned drawing

EPL PGK 4

Ordering data

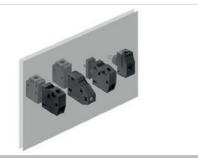
| | | With lock pins |
|-------------|------|----------------|
| | | |
| Туре | Qtv. | Order No. |
| PGK 4 BT BK | 100 | 1288590000 |

Ordering data

| | | With lock pins |
|-------------|------|----------------|
| | | |
| Туре | Qty. | Order No. |
| EPL PGK4 BK | 50 | 1288600000 |

2977770000 **Weidmüller № 0.11**

max. clamping range: 6 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside such as solder connections which can be encapsulated (VWGK...), cable lug connections (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) with vertical and horizontal wire insertion provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 500 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 30 A / AWG 30 - 10



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 4 mm = 500 V; metal walls: 1 2.5 mm = 400 V; metal walls: 2.5 4 mm = 250 V
- WGKV: Rated voltage plastic walls: 1 4 mm = 400 V; metal walls: 1 - 2.5 mm = 400 V; metal walls: 2.5 - 4 mm = 250 V
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

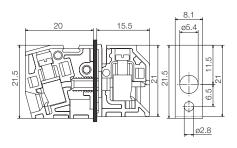
WGK 4

Screw connection





Dimensioned drawin



Technical data

| recillical data | | | | |
|-----------------------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | 1 | | |
| Clamping range, max. | mm ² | | 0.56 | |
| Solid core H05(07) V-U | mm² | | 0.56 | |
| Stranded H07 V-R | | | | |
| Flexible H05(07) V-K | mm ² | | 0.54 | |
| Flexible with ferrule | mm ² | | 0.54 | |
| Ferrule with plastic collar | | | | |
| Stripping length | mm | | 8 | |
| Screwdriver blade | mm | 1 | 0.6 x 3. | 5 |
| According to norm | | | | |
| Tightening torque range | Nm | | 0.60.8 | 3 |
| Rated current, max. | Α | 32 | | |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 4 | |
| Overvoltage category | | Ш | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | | 500 | | |
| Rated impulse voltage | | 6 | | |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 300 |
| Rated current | Α | 30 | 30 | 10 |
| AWG conductor | AWG | | 30-10 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | 300 |
| Rated current | Α | 30 | 30 | 10 |
| AWG conductor | AWG | | 30-10 | |
| General data | | | | |
| Type of insulation material | | W | /emid (P | 'A) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| | | | | |
| Solder eyelet Ø = D Solder eyelet Ø tolerance | | | | |

Accessories

| Distance plate | | Order No. |
|----------------|------------------|------------|
| | DP WGK 4 BK BX | 1297840000 |
| _ | DP WGK 4 GY BX | 1936450000 |
| | DP VWGK 4 BK BX | 1251030000 |
| | DP VWGK 4 GY BX | 1936430000 |
| Screwdriver | | |
| 0 | SDIS 0.6X3.5X100 | 2749810000 |
| A | | |
| / | | |
| Marking tags | | |
|] | DEK 5/8 MC NE WS | 1856740000 |
| | DEK 5/6 MC NE WS | 1609820000 |
| | DEK 5/5 MC NE WS | 1609801044 |

Ordering data

| | | With lock pins | No lock pins |
|------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 4/Z BK BX | 50 | 1250940000 | |
| WGK 4/Z GN/YE BX | 50 | 1936560000 | |
| WGK 4/Z GY BX | 50 | 1936570000 | |
| WGK 4 BK BX | 50 | | 1250930000 |
| WGK 4 GN/YE BX | 50 | | 1936540000 |
| WGK 4 GY BX | 50 | | 1936550000 |
| | | | |





1.12 Weidmüller ₹ 2977770000

WGKV 4

Screw connection



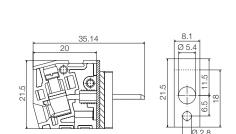
24.5

WGK 4 VP

Solder connection





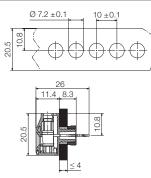


VWGK 4

Solder connection







Ordering data

| | | With lock pins | No lock pins |
|-------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGKV 4/Z BK BX | 50 | 1250960000 | |
| WGKV 4/Z GN/YE BX | 50 | 1936620000 | |
| WGKV 4/Z GY BX | 50 | 1936630000 | |
| WGKV 4 BK BX | 50 | | 1250950000 |
| WGKV 4 GN/YE BX | 50 | | 1936610000 |
| WGKV 4 GY BX | 50 | | 1934050000 |

Ordering data

| | | With lock pins | No lock pins |
|---------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 4 VP/Z GN/YE BX | 50 | 1003900000 | |
| WGK 4 VP/Z GY BX | 50 | 1003910000 | |
| WGK 4 VP GN/YE BX | 50 | | 1003890000 |
| WGK 4 VP GY BX | 50 | | 1981890000 |

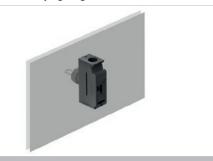
Ordering data

| | | With lock pins |
|-----------------|------|----------------|
| Туре | Qty. | Order No. |
| VWGK 4 BK BX | 50 | 1250650000 |
| VWGK 4 GN/YE BX | 50 | 1936480000 |
| VWGK 4 GY BX | 50 | 1936490000 |

For the rated voltage of plastic and metal walls, see the "WGK" notes

Weidmüller ₹ 0.13 2977770000

max. clamping range: 10 mm²



The V versions of the WGK feed-through terminals with an insulated housing and clamping yoke connection on the outside, and a solder connection on the inside. Optimal connection options for use in encapsulated devices (e.g. EMC filters and/or fully insulated transformers).

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 500 V / 41 A / 0.5 - 10 mm² UL: 300 V / 50 A / AWG 22 - 10



For additional articles and information, refer to eshop.weidmueller.com

Note:

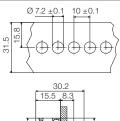
- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- VWGK: Rated voltage plastic walls: 1 4 mm = 500 V; metal walls: 1 4 mm = 500 V
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

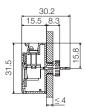
VWGK 6





Dimensioned drawing





Technical data

| ecnnicai data | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ | | |
| Clamping range, max. | mm ² | | 0.510 |) |
| Solid core H05(07) V-U | mm² | | 0.510 |) |
| Stranded H07 V-R | | | 6 | |
| Flexible H05(07) V-K | mm ² | | 0.56 | |
| Flexible with ferrule | mm ² | | 0.56 | |
| Ferrule with plastic collar | | | | |
| Stripping length | mm | | 13 | |
| Screwdriver blade | mm | | 0.8 x 4. | 0 |
| According to norm | | | | |
| Tightening torque range | Nm | | 0.81.8 | 3 |
| Rated current, max. | Α | 41 | | |
| At ambient temperature | | 20°C | | 40°0 |
| For conductor cross-section | mm ² | | 6 | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | | 500 | | |
| Rated impulse voltage | | 6 | | |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 300 |
| Rated current | Α | 50 | 50 | 10 |
| AWG conductor | AWG | | 22-10 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | 300 |
| Rated current | Α | 50 | 50 | 10 |
| AWG conductor | AWG | | 22-10 | |
| General data | | | | |
| Type of insulation material | | W | /emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet Ø = D | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Distance plate | | Order No. |
|----------------|------------------|------------|
| | DP VWGK 6 BK BX | 1250630000 |
| | DP VWGK 6 GY BX | 1965750000 |
| Screwdriver | | |
| <u> </u> | SDIS 0.8X4.0X100 | 2749820000 |
| Marking tags | | |
| marking tago | DEK 5/6 MC NE WS | 1609820000 |
| | DEK 5/8 MC NE WS | 1856740000 |
| | DEK 5/5 MC NE WS | 1609801044 |

Ordering data

| No lock pins |
|--------------|
| |
| Order No. |
| 2484810000 |
| 2484680000 |
| 2484800000 |
| |





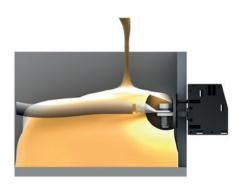
0.14 Weidmüller № 2977770000

Variants

The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.

These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.

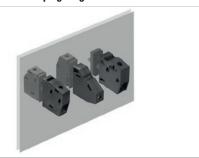
Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection. When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening.

As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved. Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.



2977770000 **Weidmüller № 0.15**

max. clamping range: 16 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Different types of connection on the inside, such as a solder connection which can be encapsulated (WGK ...VP) or a maintenance-free clamping yoke screw connection (WGK...) with vertical and horizontal wire connections, provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 500 V / 57 A / 0.5 - 16 mm² UL: 300 V / 65 A / AWG 24 - 6



For additional articles and information, refer to eshop.weidmueller.com

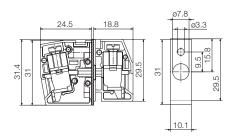
Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 4 mm = 500 V; metal walls: 1 2.5 mm = 400 V; metal walls: 2.5 4 mm = 250 V
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 10



Dimensioned drawin



Technical data

| recillical uata | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | | 0.516 | |
| Solid core H05(07) V-U | mm² | | 0.516 | ì |
| Stranded H07 V-R | mm ² | | 1016 | |
| Flexible H05(07) V-K | mm ² | | 0.510 |) |
| Flexible with ferrule | mm ² | | 0.510 |) |
| Ferrule with plastic collar | | | | |
| Stripping length | mm | | 11 | |
| Screwdriver blade | mm | - 1 | 0.8 x 4. | 0 |
| According to norm | | | | |
| Tightening torque range | Nm | | 1.22.4 | 1 |
| Rated current, max. | Α | 57 | | |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 10 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | | 500 | | |
| Rated impulse voltage | | 6 | | |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 300 | 300 | |
| Rated current | Α | 65 | 65 | |
| AWG conductor | AWG | | 24-6 | |
| CSA (Use Group) | | В | С | D |
| Rated voltage | V | 300 | 300 | |
| Rated current | Α | 65 | 65 | |
| AWG conductor | AWG | | 24-6 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |

Accessories

| Distance plate | | Order No. |
|----------------|------------------|------------|
| | DP VWGK 6 BK BX | 1250630000 |
| | DP VWGK 6 GY BX | 1965750000 |
| | DP WGK 10 BK BX | |
| | DP WGK 10 GY BX | |
| | DP WGKV 10 | |
| Screwdriver | | |
| N . | SDIS 0.8X4.0X100 | 274982000 |
| - | | |
| | | |
| Marking tags | | |
| [] | DEK 5/6 MC NE WS | 160982000 |
| | DEK 5/8 MC NE WS | 185674000 |
| | DEK 5/5 MC NE WS | 160980104 |

Ordering data

| | | With lock pins | No lock pins |
|-------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 10/Z BK BX | 50 | 2439460000 | |
| WGK 10/Z GN/YE BX | 50 | 2439400000 | |
| WGK 10/Z GY BX | 50 | 2439410000 | |
| WGK 10 BK BX | 50 | | 2439470000 |
| WGK 10 GN/YE BX | 50 | | 2439380000 |
| WGK 10 GY BX | 50 | | 2439390000 |
| | | | |





2.16 Weidmüller ₹ 2977770000

WGKV 10



WGK 10 VP



Dimensioned drawing

42.5

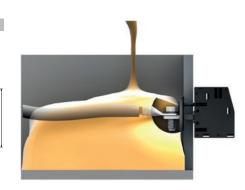
Variants

The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.

These products are developed for 100 % sealing in

These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



Ordering data

| | | With lock pins | No lock pins |
|--------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGKV 10/Z BK BX | 50 | 2439580000 | |
| WGKV 10/Z GN/YE BX | 50 | 2439540000 | |
| WGKV 10/Z GY BX | 50 | 2439550000 | |
| WGKV 10 BK BX | 50 | | 2439570000 |
| WGKV 10 GN/YE BX | 50 | | 2439530000 |
| WGKV 10 GY BX | 50 | | 2439520000 |

Ordering data

| | With lock pins | No lock pins |
|------|----------------|----------------------------------------------------|
| | | |
| Qty. | Order No. | Order No. |
| 50 | 2439440000 | |
| 50 | 2439420000 | |
| 50 | | 2439430000 |
| 50 | | 2439450000 |
| | 50 50 50 | 50 2439440000 50 2439420000 50 |

10.1

Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.

Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection. When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening.

As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved. Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.

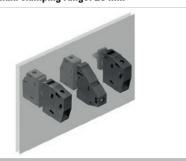
For the rated voltage of plastic and metal walls, see the "WGK" notes

For the rated voltage of plastic and metal walls, see the "WGK" notes



2977770000 **Weidmüller 3**

max. clamping range: 25 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside, such as cable lug connections which can be encapsulated (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) with vertical and horizontal wire insertion provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 500 V / 76 A / 0.5 - 25 mm² UL: 600 V / 85 A / AWG 20 - 4



For additional articles and information, refer to eshop.weidmueller.com

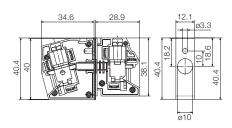
Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 6 mm = 800 V; metal walls: 1 2.5 mm = 800 V; metal walls: 2.5 4 mm = 690 V; metal walls: 4 6 mm = 500 V
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 16



Dimensioned drawing



Technical data

| roommour uutu | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | | | |
| Clamping range, max. | mm ² | | 0.525 | ; |
| Solid core H05(07) V-U | mm ² | | 0.510 | ì |
| Stranded H07 V-R | mm ² | | 1025 | |
| Flexible H05(07) V-K | mm ² | | 0.516 | 3 |
| Flexible with ferrule | mm ² | | 0.516 | 3 |
| Ferrule with plastic collar | | | | |
| Stripping length | mm | | 16 | |
| Screwdriver blade | mm | | 1.0 x 5. | 5 |
| According to norm | | | | |
| Tightening torque range | Nm | | 22.3 | |
| Rated current, max. | Α | 76 | | |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 16 | |
| Overvoltage category | | III | Ш | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | | 500 | | |
| Rated impulse voltage | | 6 | | |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 85 | 85 | |
| AWG conductor | AWG | | 20-4 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 85 | 85 | |
| AWG conductor | AWG | | 20-4 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Distance plate | | Order No. |
|----------------|------------------|------------|
| | DP WGK 16 BK BX | 1250580000 |
| | DP WGK 16 GY BX | 1936700000 |
| | | |
| Screwdriver | | |
| A | SDIS 1.0X5.5X125 | 2749850000 |
| | | |
| | | |
| Marking tags | | |
| J | DEK 5/6 MC NE WS | 1609820000 |
| | DEK 5/8 MC NE WS | 1856740000 |
| | DEK 5/5 MC NE WS | 1609801044 |

Ordering data

| | | With lock pins | No lock pins |
|-------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 16/Z BK BX | 50 | 2440600000 | |
| WGK 16/Z GN/YE BX | 50 | 2440570000 | |
| WGK 16/Z GY BX | 50 | 2440580000 | |
| WGK 16 BK BX | 50 | | 2440590000 |
| WGK 16 GN/YE BX | 50 | | 2439600000 |
| WGK 16 GY BX | 50 | | 2440560000 |
| | | | |





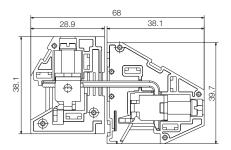
1.18 Weidmüller ₹ 2977770000

WGKV 16

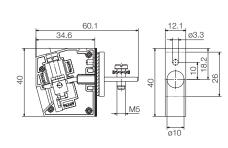
WGK 16 VP



Dimensioned drawing







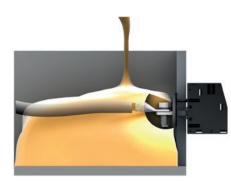
Variants

The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.

These products are developed for 100 % sealing in

These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



Ordering data

| | | With lock pins | No lock pins |
|--------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGKV 16/Z BK BX | 50 | 2440800000 | |
| WGKV 16/Z GN/YE BX | 50 | 2440720000 | |
| WGKV 16/Z GY BX | 50 | 2440730000 | |
| WGKV 16 BK BX | 50 | | 2440790000 |
| WGKV 16 GN/YE BX | 50 | | 2440740000 |
| WGKV 16 GY BX | 50 | | 2440750000 |

Ordering data

| | | With lock pins | No lock pins |
|----------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 16 VP/Z BK BX | 50 | 2440710000 | |
| WGK 16 VP/Z GN/YE BX | 50 | 2440630000 | |
| WGK 16 VP/Z GY BX | 50 | 2440640000 | |
| WGK 16 VP BK BX | 50 | | 2440660000 |
| WGK 16 VP GN/YE BX | 50 | | 2440610000 |
| WGK 16 VP GY BX | 50 | | 2440620000 |

Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.

Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection. When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening.

As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved. Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.

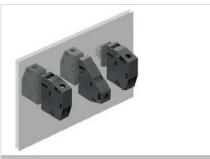
For the rated voltage of plastic and metal walls, see the "WGK" notes

For the rated voltage of plastic and metal walls, see the "WGK" notes $\,$



2977770000 **Weidmüller 3**

max. clamping range: 35 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside, such as cable lug connections which can be encapsulated (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) with vertical and horizontal wire insertion provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 690 V / 101 A / 6 - 35 mm² UL: 600 V / 100 A / AWG 10 - 3



For additional articles and information, refer to eshop.weidmueller.com

Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- • WGK: Rated voltage plastic walls: 1 - 6 mm = 800 V; metal walls: 1 - 4 mm = 800 V; metal walls: 4 - 6 mm = 690 V
- WGKV: Rated voltage plastic walls: 1 6 mm = 800 V; metal walls: 1 4 mm = 800 V; metal walls: 4 6 mm = 690 V
- WGK...VP: Rated voltage plastic walls: 1 6 mm = 800 V; metal walls: 1 - 2.5 mm = 800 V; metal walls: 2.5 - 4 mm = 690 V; metal walls: 4 - 6 mm = 500 V
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 25



Dimensioned drawin

38.5 30 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.3 15.1 04.

Technical data

| Toolillour du tu | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | | 435 | |
| Solid core H05(07) V-U | mm ² | | 616 | |
| Stranded H07 V-R | mm ² | | 1035 | |
| Flexible H05(07) V-K | mm ² | | 616 | |
| Flexible with ferrule | mm ² | | 425 | |
| Ferrule with plastic collar | | | | |
| Stripping length | mm | | 18 | |
| Screwdriver blade | mm | | l.2 x 6. | 5 |
| According to norm | | | | |
| Tightening torque range | Nm | | 44.5 | |
| Rated current, max. | Α | 101 | | |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 25 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | | 690 | | |
| Rated impulse voltage | | 6 | | |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 100 | 100 | |
| AWG conductor | AWG | | 10-3 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 100 | 100 | |
| AWG conductor | AWG | | 10-3 | |
| General data | | | | |
| Type of insulation material | | W | emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | / |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Distance plate | | Order No. |
|----------------|------------------|------------|
| | DP WGK 25 BK BX | 1250590000 |
| | DP WGK 25 GY BX | 1936710000 |
| | | |
| Screwdriver | | |
| (A) | SDIS 1.2X6.5X150 | 274986000 |
| - | | |
| | | |
| Marking tags | | |
| | DEK 5/6 MC NE WS | 160982000 |
| | DEK 5/8 MC NE WS | 185674000 |
| | DEK 5/5 MC NE WS | 160980104 |

Ordering data

| | | With lock pins | No lock pins |
|-------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 25/Z BK BX | 50 | 2444680000 | |
| WGK 25/Z GN/YE BX | 50 | 2444640000 | |
| WGK 25/Z GY BX | 50 | 2444300000 | |
| WGK 25 BK BX | 50 | | 2444670000 |
| WGK 25 GN/YE BX | 50 | | 2444650000 |
| WGK 25 GY BX | 50 | | 2444660000 |
| | | | |





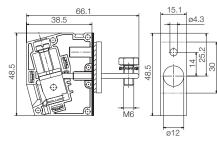
0.20 Weidmüller ₹ 2977770000

WGKV 25

WGK 25 VP





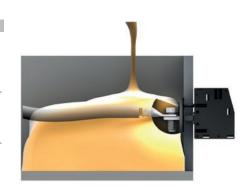


Variants

The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications.

These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



Ordering data

| | | With lock pins | No lock pins |
|--------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGKV 25/Z BK BX | 25 | 2444870000 | |
| WGKV 25/Z GN/YE BX | 25 | 2444810000 | |
| WGKV 25/Z GY BX | 25 | 2444860000 | |
| WGKV 25 BK BX | 25 | | 2444840000 |
| WGKV 25 GN/YE BX | 25 | | 2444830000 |
| WGKV 25 GY BX | 25 | | 2444820000 |

Ordering data

| | | With lock pins | No lock pins |
|----------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 25 VP/Z BK BX | 50 | 2444790000 | |
| WGK 25 VP/Z GN/YE BX | 50 | 2444720000 | |
| WGK 25 VP/Z GY BX | 50 | 2444730000 | |
| WGK 25 VP BK BX | 50 | | 2444800000 |
| WGK 25 VP GN/YE BX | 50 | | 2444700000 |
| WGK 25 VP GY BX | 50 | | 2444710000 |

Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.

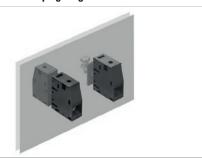
Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection. When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening. As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved. Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.

Rated voltage for plastic and metal walls such as WGK



Weidmüller 🕏 2977770000

max. clamping range: 50 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside, such as cable lug connections which can be encapsulated (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 690 V / 150 A / 16 - 50 mm² UL: 600 V / 150 A / AWG 6 - 1/0



For additional articles and information, refer to eshop.weidmueller.com

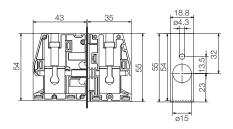
Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1 6 mm = 800 V; metal walls: 1 2.5 mm = 800 V; metal walls: 2.5 6 mm = 690 V
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

WGK 50



Dimensioned drawin



Technical data

| Toolillour data | | | | |
|--------------------------------|-----------------|------|----------|------|
| In compliance with IEC 60664-1 | / IEC 61984 | ļ. | | |
| Clamping range, max. | mm ² | | 1050 | |
| Solid core H05(07) V-U | mm ² | | 1616 | i |
| Stranded H07 V-R | mm ² | | 1650 | |
| Flexible H05(07) V-K | mm ² | | 1650 | |
| Flexible with ferrule | mm ² | | 1050 | |
| Ferrule with plastic collar | | | | |
| Stripping length | mm | | 24 | |
| Screwdriver blade | mm | | 1.2 x 6. | 5 |
| According to norm | | | | |
| Tightening torque range | Nm | | 45.5 | |
| Rated current, max. | Α | 150 | | |
| At ambient temperature | | 20°C | | 40°C |
| For conductor cross-section | mm ² | | 50 | |
| Overvoltage category | | III | III | II |
| Pollution severity | | 3 | 2 | 2 |
| Rated voltage | | 690 | | |
| Rated impulse voltage | | 6 | | |
| UL / CUL (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 150 | 150 | |
| AWG conductor | AWG | | 6-1/0 | |
| CSA (Use Group) | | В | C | D |
| Rated voltage | V | 600 | 600 | |
| Rated current | Α | 150 | 150 | |
| AWG conductor | AWG | | 6-1/0 | |
| General data | | | | |
| Type of insulation material | | W | /emid (F | PA) |
| UL 94 flammability rating | | | V-0 | |
| Contact base material | | | Cu-alloy | 1 |
| Material of contact surface | | | tinned | |
| Pin dimensions = d | mm | | | |
| Solder eyelet $\emptyset = D$ | | | | |
| Solder eyelet Ø tolerance | mm | | | |
| | | | | |

Accessories

| Distance plate | | Order No. |
|----------------|------------------|------------|
| | DP WGK 50 BK BX | 1250610000 |
| | DP WGK 50 | 1937030000 |
| | | |
| Screwdriver | | |
| A | SDIS 1.2X6.5X150 | 2749860000 |
| 1 | | |
| | | |
| Marking tags | | |
|] | DEK 5/6 MC NE WS | 1609820000 |
| | DEK 5/8 MC NE WS | 1856740000 |
| | DEK 5/5 MC NE WS | 1609801044 |

Ordering data

| | | With lock pins | No lock pins |
|-------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 50/Z BK BX | 10 | 2427690000 | |
| WGK 50/Z GN/YE BX | 10 | 2427810000 | |
| WGK 50/Z GY BX | 10 | 2427650000 | |
| WGK 50 BK BX | 10 | | 2427680000 |
| WGK 50 GN/YE BX | 10 | | 2427660000 |
| WGK 50 GY BX | 10 | | 2427640000 |
| | | | |

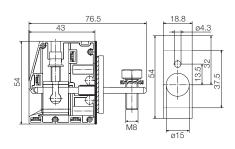




0.22 Weidmüller ₹ 2977770000

WGK 50 VP

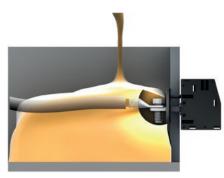




Variants

The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications. These products are developed for 100 % sealing in completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



Ordering data

| | | With lock pins | No lock pins |
|----------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 50 VP/Z BK BX | 10 | 2428450000 | |
| WGK 50 VP/Z GY BX | 10 | 2428300000 | |
| WGK 50 VP/Z GN/YE BX | 10 | 2428290000 | |
| WGK 50 VP BK BX | 10 | | 2428440000 |
| WGK 50 VP GN/YE BX | 10 | | 2428270000 |
| WGK 50 VP GY BX | 10 | | 2428280000 |

Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.

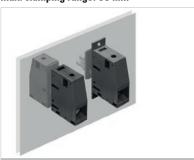
Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection. When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening. As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved. Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.

For the rated voltage of plastic and metal walls, see the "WGK" notes



Weidmüller ₹ 0.23 2977770000

max. clamping range: 95 mm²



The high-current feed-through terminals of the WGK series provide a universal solution for feeding currents of different magnitude through the enclosure wall.

Various types of connection on the inside, such as cable lug connections which can be encapsulated (WGK ...VP) and maintenance-free clamping yoke screw connections (WGK...) provide the optimal connection for any installation situation.

The different peg types allow for a simple and quick assembly of multi-pole blocks.

Product data

IEC: 1000 V / 232 A UL: 600 V / 255 A / AWG 4 - kcmil 250



......

For additional articles and information, refer to eshop.weidmueller.com

Note:

- Clearance and creepage distances to other components must be devised in accordance with the relevant application standard. This can be achieved in the device by full encapsulation or by the use of additional spacer plates.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Colours: SW = black; GN/YL = green/yellow; GY = grey
- Additional variants on request
- WGK: Rated voltage plastic walls: 1–6 mm = 1000 V; metal walls: < 1 mm = 1000 V; metal walls: 1–3.5 mm = 800 V; metal walls: 3.5–5.5 mm = 690 V
- Wire-end ferrules are mandatory for stranded wires with more than 19 strands.
- \bullet Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

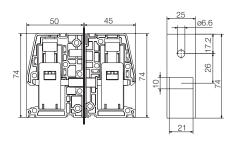
WGK 95

Screw connection





Dimensioned drawin



Technical data

| EC 61984 | ļ | | |
|-----------------|-----------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------|
| mm² | | 3595 | |
| | | | |
| mm ² | | 3595 | |
| mm ² | | 3595 | |
| mm ² | | 3595 | |
| | | | |
| mm | | 27 | |
| mm | | | |
| | | | |
| Nm | | 1520 | |
| Α | 232 | | |
| | 20°C | | 40°C |
| mm ² | | 95 | |
| | Ш | III | II |
| | 3 | 2 | 2 |
| | 1000 | | |
| | 8 | | |
| | В | C | D |
| V | 600 | 600 | |
| Α | 255 | 255 | |
| | | | |
| AWG | 4-1 | ccmil 2 | 50 |
| AWG | 4-I B | ccmil 2 C | 50 D |
| AWG | | | |
| | В | C | |
| V | B 600 255 | C 600 | D |
| V | B 600 255 | C 600 255 | D |
| V | 8 600 255 4- | C 600 255 | D 50 |
| V | 8 600 255 4- | 600 255 kcmil 2 | D 50 |
| V | 8 600 255 4- | C 600 255 kcmil 2 emid (F V-0 Cu-alloy | D 50 PA) |
| V | 8 600 255 4- | 600 255 kcmil 2 emid (F V-0 | D 50 PA) |
| V | 8 600 255 4- | C 600 255 kcmil 2 emid (F V-0 Cu-alloy | D 50 PA) |
| V A AWG | 8 600 255 4- | C 600 255 kcmil 2 emid (F V-0 Cu-alloy | D 50 PA) |
| | mm² mm² mm² mm² mm nm A mm² | mm² mm² mm² mm² mm mm mm | mm² 3595 mm² 3595 mm² 3595 mm² 27 mm 27 mm 27 mm 95 lill ill 3 3 2 1000 8 B C V 600 600 |

Accessories

| Note: Refer to the Accessories chapter for additional accessories. | | | |
|---------------------------------------------------------------------------|------------------|------------|--|
| Distance plate | | Order No. | |
| | DP WGK 95 BK BX | 1250620000 | |
| | DP WGK 95 GY BX | 1937020000 | |
| | | | |
| Marking tags | | | |
| [| DEK 5/6 MC NE WS | 1609820000 | |
| | DEK 5/8 MC NE WS | 1856740000 | |
| | DEK 5/5 MC NE WS | 1609801044 | |
| | | | |

Ordering data

| | | With lock pins | No lock pins |
|-------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 95/Z BK BX | 10 | 1250690000 | |
| WGK 95/Z GN/YE BX | 10 | 1937390000 | |
| WGK 95/Z GY BX | 10 | 1937400000 | |
| WGK 95 BK BX | 10 | | 1250680000 |
| WGK 95 GN/YE BX | 10 | | 1937370000 |
| WGK 95 GY BX | 10 | | 1937380000 |



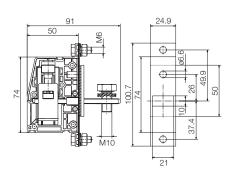


0.24 Weidmüller № 2977770000

WGK 95 F VP

Cable lug connection



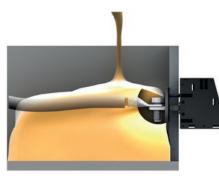


Variants

The WGK...VP, VWGK 4 and VWGK 6 variants of the WGK series, with an insulating housing and clamping yoke connection on the outside, are specially enhanced for use in potted and through-panel applications. These products are developed for 100 % sealing in

completely enclosed units..

WGK variants are used, for example, as device connections for EMC filters or fully insulated transformers.



Ordering data

| | | With lock pins | No lock pins |
|-----------------------|------|----------------|--------------|
| | | | |
| Туре | Qty. | Order No. | Order No. |
| WGK 95F VP/Z BK BX | 10 | 1250670000 | |
| WGK 95F VP/Z GN/YE BX | 10 | 1937360000 | |
| WGK 95F VP/Z GY BX | 10 | 1937140000 | |
| WGK 95F VP BK BX | 10 | | 1250660000 |
| WGK 95F VP GN/YE BX | 10 | | 1937120000 |
| WGK 95F VP GY BX | 10 | | 1937130000 |

Clamping yoke screw connection

The clamping yoke connection is a proven connection in use around the world today.

Steel clamping yokes made using a stamping and bending process guarantee a vibration proof clamp connection. When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening. As the screw thread is on an inclined plane, the force is amplified and a very high clamping force is achieved. Weidmüller uses hardened steel with optimised corrosion protection for stability and safety in addition to copper alloys in the contact area for good electrical conductivity.

For the rated voltage of plastic and metal walls, see the "WGK" notes



Weidmüller ₹ 0.25 2977770000

0.26 Weidmüller ₹ 2977770000

OMNIMATE® Power Accessories

| OMNIMATE® Power Accessories | Strain relief | R.2 |
|--------------------------------|----------------------------------------|-----|
| Accessories | Shielding | R.3 |
| | Coding elements / Anti-twist mechanism | R.4 |
| | Screwdrivers | R.5 |
| | Test plug | R.6 |

2977770000 **Weidmüller** ₹ R.1

BV/SV 7.62HP/02 ZE GR

Strain relief



BV/SV 7.62HP/04 ZE GR

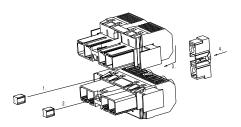
Strain relief



SVF/BVF 7.62HP COUPLE SET

Couple Set





Ordering data

| g | | |
|-----------------------|------|------------|
| Colour | | Grey |
| Туре | Qty. | Order No. |
| BV/SV 7.62HP/02 ZE GR | | 1937550000 |

Ordering data

| Colour | | Grey |
|-----------------------|------|------------|
| Туре | Qty. | Order No. |
| BV/SV 7.62HP/04 ZE GR | | 1937560000 |

Ordering data

| Colour | | Grey |
|---------------------------|------|------------|
| Туре | Qty. | Order No. |
| SVF/BVF 7.62HP COUPLE SET | | 1440850000 |

Weidmüller ₹ 2977770000

BVF 7.62HP SH180 4-6 KIT

Shield support



BVF 7.62HP SH150 4-6 KIT

Shield support



BVF 7.62HP SH150 4-6 KIT

Shield support



Ordering data

| Colour | | Grey |
|--------------------------|------|------------|
| Туре | Qty. | Order No. |
| BVF 7.62HP SH180 4-6 KIT | | 1118470000 |

Ordering data

| Colour | | Grey |
|--------------------------|------|------------|
| Туре | Qty. | Order No. |
| BVF 7.62HP SH150 4-6 KIT | | 1118480000 |

Ordering data

| Colour | | Grey |
|--------------------------|------|------------|
| Туре | Qty. | Order No. |
| BVF 7.62HP SH210 4-6 KIT | | 1118490000 |

2977770000 **Weidmüller ₹** R.3

BV/SV 7.62 KO

Coding element



KO BU/SU 10.16HP BK Coding element

Anti-twist mechanism









Ordering data

| Тур | Qty. | Order No. |
|-----------------|------|------------|
| BV/SV 7.62HP KO | 100 | 1937590000 |

| Ordering data | | |
|---------------|------|------------|
| Туре | Qty. | Order No. |
| SV 7.62 VDS | 1 | 1853940000 |

| Ordering data | | |
|------------------------|------|------------|
| Туре | Qty. | Order No. |
| VO DII/CII 10 1CIID DV | 1 | 102//10000 |

Weidmüller 🛣 2977770000

SDI

VDE-insulated slotted screwdriver

SD

Slotted screwdriver with round blade

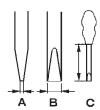
SDK PH/PZ

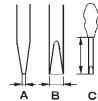
Crosshead screwdriver













VDE-insulated slotted screwdriver, SDI

- SDI DIN 7437, ISO 2380/2
- Drive output acc. to DIN EN ISO/IEC 60900 and DIN ISO 2380



Slotted screwdriver with round blade, SD

- SD DIN 5265, DIN ISO 2380
- Drive output acc. to DIN 5264, DIN ISO 2380/1
- ChromTop tip



Crosshead screwdriver PH (Philips)

- SDK PH DIN 5262, DIN ISO 8764-PH
- Drive output acc. to DIN ISO 8764-PH
- ChromTop tip



Crosshead screwdriver PZ (Pozidrive)

- SDK PZ DIN 5262, DIN ISO 8764-PZ
- Drive output acc. to DIN ISO 8764-PZ
- Chrome top tip



Ordering data

| Туре | Dims. (mm) | Α | В | C | Order No. |
|------|------------|-----|-----|-----|------------|
| SDI | | 0,4 | 2,5 | 75 | 2749790000 |
| SDI | | 0,5 | 3,0 | 100 | 2749800000 |
| SDI | | 0,6 | 3,5 | 100 | 2749810000 |
| SDI | | 0,8 | 4,0 | 100 | 2749820000 |
| SDI | | 1,0 | 4,5 | 125 | 2749830000 |
| SDI | | 1,0 | 5,5 | 125 | 2749850000 |
| SDI | | 1,2 | 6,5 | 150 | 2749860000 |
| SDI | | 1.6 | 8.0 | 175 | 2749870000 |

Ordering data

| Туре | Dims. (mm) | Α | В | C | Order No. |
|------|------------|-----|-----|-----|------------|
| SD | | 0,4 | 2,5 | 75 | 2749320000 |
| SD | | 0,5 | 3,0 | 80 | 2749330000 |
| SD | | 0,6 | 3,5 | 100 | 2749340000 |
| SD | | 0,8 | 4,0 | 100 | 2749360000 |
| SD | | 0,8 | 4,5 | 125 | 2749370000 |
| SD | | 1,0 | 5,5 | 150 | 2749380000 |
| SD | | 1,2 | 6,5 | 150 | 2749390000 |
| | | | | | |

Ordering data PH

| Туре | Dims. (mm) | Α | В | С | Order No. |
|---------|------------|---|---|-----|------------|
| SDK PHO | 0 | | | 60 | 2749400000 |
| SDK PH1 | 1 | | | 80 | 2749410000 |
| SDK PH2 | 2 | | | 100 | 2749420000 |
| SDK PH3 | 3 | | | 150 | 2749430000 |

Tension clamp terminal tool

Tool for PCB terminals with tension clamp connection









You do not need any special tool to connect or disconnect our tension clamp connection.

The opening is designed to accommodate a standard 0.6 x 3.5×100 screwdriver 2749040000 to DIN 5264-A (with flat blade).

Ordering data PZ

| Туре | Dims. (mm) A | В | C | Order No. |
|---------|--------------|---|-----|------------|
| SDK PZ1 | 1 | | 80 | 2749440000 |
| SDK PZ2 | 2 | | 100 | 2749450000 |
| SDK PZ3 | 3 | | 150 | 2749460000 |
| | | | | |

2977770000 **Weidmüller** ₹

Test plug



R

- \bullet For conductors up to 0.75 mm^2 (AWG 18).
- Gold-plated lantern-type contact.
- Conductor must be soldered to contact in test plug.

Ordering data

| Тур | Wire cross-sections | Qty. | Order No. |
|-----------|-----------------------------|------|------------|
| PS 2.0 MC | \leq 0,75 mm ² | 20 | 0310000000 |

OMNIMATE® Housings Electronic housings

| OMNIMATE® Housing | s |
|---------------------|---|
| Electronic housings | |

| DMNIMATE® Housings | | |
|----------------------------------------|---------------------------------------|------|
| | Explanation | S.2 |
| | Orientation guide | S.4 |
| CH2OM modular housing series | | |
| | Explanation | S.6 |
| | Orientation guide | S.15 |
| | Connection technology selection guide | S.18 |
| | Product selection | S.20 |
| MICROBOX / TERMINALBOX | | |
| Small housing series | Explanation | S.42 |
| | Product selection | S.44 |
| RS profile housing series | | |
| | Explanation | S.46 |
| | Orientation guide | S.48 |
| | Product selection | S.50 |
| Accessories | | |
| | Mounting foot | S.56 |
| | Identification systems | S.56 |
| | Screwdrivers | S.57 |
| ı-maker Box – the Raspberry Pi housing | | |
| | Explanation | S.58 |
| | Product selection | S.60 |

2977770000 **Weidmüller** ₹ \$.1

OMNIMATE® Housings

Electronic housings

The perfect platform for form and function – including terminal layouts, bulk products and "tailor-made suits straight off the rack".

Weidmüller's electronics provide a state-of-the-art platform for electronics applications: for all design types and usage areas. The application and its requirements are the foundation for the housing design:

Modular housing using the standard pitch sizes are particularly well suited for standardised electrical cabinet applications.

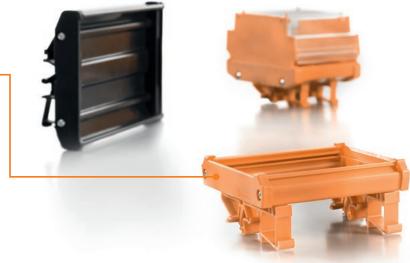
Because of their excellent flexibility and variability, profile housings are the perfect solution for custom constructions and small-batch series.

The perfect blend of design, connection technology and functionality result in a design that is well tailored to market and application requirements.

Flexibility

Profile housing – the perfect solution for custom constructions and smallbatch series.





Reliability

Weidmüller's legendary quality and well established, proven connection technology guarantee maximum availability for your systems.





2 Weidmüller 🏖

Innovation

Attention to detail: with the integrated, captive "AutoSet" coding function.







Efficiency

Reduce costs and increase productivity: SMT/SMD connectors packed suitably for fully automated production.



Modular housing for mounting on rail

Modular housing: function, form and processing all contribute to a single cohesive unit that offers safety, manufacturing efficiency and usability.



Profile housing in profile shape

Profile housing in profile shape - the flexible modular system of coloured and transparent plastic profiles and support modules provides the optimum balance between flexibility and efficiency.



Accessories

Comprehensive range of system accessories for integrating your assembled electronics "package" into the system environment - from attachment and connection to marking systems.



2977770000 **Weidmüller 3€ s.3**

Electronic housings

With 6 housing systems, Weidmüller's electronics housing portfolio offers a platform for electronic applications in any design and for all application areas.

Detailed design information and the most important product-related data is available on the respective product pages. Data sheets and CAD models are available online for download.

CH20M - Modular Rail-mounted housing



System description (key points)

Scalability

Widths

Design

Type of assembly of the PCB

Application

Connection system

Number of conductors that can be connected

Number of slots for female plugs

Design options

Housing design

PCB layout

Labelling & marking

Standard housing colours

(Other colours on request)

Additional features

optional (excerpt)

standard (excerpt)

Component housing system IP 20

- 7 housing widths from 6 to 67.5 mm;
- 6,1 / 12,5 / 17,5 / 22,5 / 35¹⁾ / 45 / 67,5
- Individually configurable
- THR and THT assemblies
- · Optional connection of devices via mounting rail bus

Connectors (touch-safe both sides)

- 2 72



Individually configurable

- · Asymmetrical port configuration
- Individual processing / modification
- Large net layout space of up to 9000 mm²
- . Up to 3 flexibly positioned PCBs
- Both sides can be fitted with components
- Pad & laser printing
- · Device markers for female connector
- Device markers for hinged cover
- Black
- · Graphite grey
- Traffic red Traffic yellow
- Black, transparent
- · Pebble grey
- Agate grey
- Traffic grey • Light blue
- Transparent

· Light grey

- Integrated mounting rail bus
- FE mounting rail contac
- Preparation for SIM card insertion
- Integrated, captive 16-fold "AutoSet" coding
- Integrated release lever
- Choice of PUSH-IN or clamping yoke connection
- "Wire ready" and "wire guard" (protection against mis-inserting)
- Transparent hinged cover, sealable

Legend of symbols



Clamping yoke screw connections

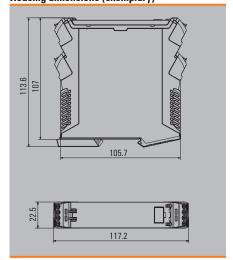


PUSH IN spring connection



Tension clamp connection

Housing dimensions (exemplary)



Note: 1) On request

Weidmüller 🏖 2977770000

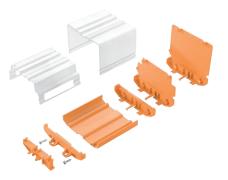
S

MICROBOX - Small housing **TERMINALBOX - Terminal housing**

RS 45-122 - Profile housing variable

RS 70 - Profile housing modular







Small housing IP 20

- MICROBOX: 6.1 mm
- TERMINALBOX: 6.0 mm
- Miniature plate housing
- · Compact enclosure in terminal format
- E.g. for I/O-plate applications

Connection terminals

- 4 6
- 2 3



2 versions

- MICROBOX: closed
- TERMINALBOX: optionally with cover plate
- Pad-print printing
- Black
- Pebble grey
- · Grey beige
- Light blue

Cross-connector 32 A

Variable extruded profile case IP 20

- Standard length 2 m, optionally cut to size
- Circuit boards 45 to 122 mm
- Precisely cut lengths
- Modules protected with a clear cover

Female connectors or terminals

- As needed





Combinable and a perfect fit

- See-through covers in 2 sizes
- End plates in 3 sizes
- . Standard circuit cards (EURO format)
- Up to 2 PCBs stackable
- · Double-sided installation
- · Pad-print printing
- Standard connector markings Marking strips for the cover hood
- Black
- Orange
- Pebble grey
- Signal green

Direct mounting

Modular profile case IP 00

- Individual elements, stackable modular
- Elements of 5 / 10 / 15 / 25 / 30 / 45 mm
- For 68 mm circuit boards
- Tool-free installation
- · Sub-assembly accessible when opened

Female connectors or terminals

- As needed





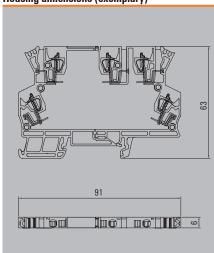


tool-free installation

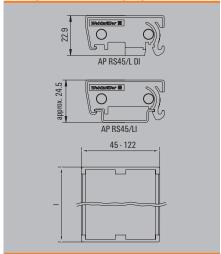
- 4 snap-on feet
- 5 different intermediate elements
- Standard circuit boards
- · Double-sided installation
- Pad-print printing
- · Standard connector markings
- Black
- Orange
- Grey beige

· Direct mounting

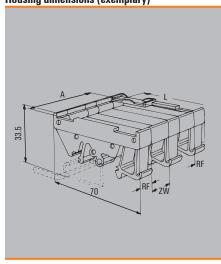
Housing dimensions (exemplary)



Housing dimensions (exemplary)



Housing dimensions (exemplary)



Weidmüller **₹** S.5

2977770000

Individual design by combining form, function and appearance

CH20M (Component Housing IP 20 Modular) – Weidmüller's new housing standard – represents the ideal platform for basing customised electronic applications.

Like a "tailor-made suit straight off the rack", the ground breaking module concept combines freedom in design with the low cost and planning security of a standard system.

In addition to scalability, a high level of safety and innovative functionality in the application, the system also convinces with superior attention to detail.

The results are quicker installation, user-friendly operation, high operational reliability and resistance to interference. From development to production, the CH20M represents efficiency. It covers all of the requirements for a modern electronics platform built with the future in mind.

Designed configuration

As many connections as you require and as affordable as you need: scalable connection levels, up to 72 wire connections, individually configurable for each side with 1, 2 or 3 connection levels across all housing widths.



Designed basic colours

With a focus on the important elements: the unobtrusive housing colours (black graphite, grey graphite and light grey) make a competent impression without distracting from the key operational and display elements.





Designed printing

Detailed symbols, data, graphics or text can be printed (with either laser or pad printing) on the large surface available on the housing element.





Designed modifications

Modifying after the configuration: for example by integrating the pluggable 30-pole BL-I/O LED digital I/O connection level in the front or with the RJ45 socket on the side.



Designed optical appearance

The standard variants, with their modularity and variety, enable you to customise a wide range of designs to fit your application.



Designed functionality

Our comprehensive, standardised configuration variants can be further supplemented with modification and design changes to fit your custom needs.



Designed functional colours

More operational confidence with functionally appropriate colour coding: three functional colours (red, yellow and blue coding) can be assigned to key industrial applications.



Power, signals and data are provided, connected and distributed securely and consistently

This customer-friendly bus solution brings power, signals and data to the rail in a quick and reliable manner. When supplying, connecting or distributing within modular applications, the rail bus can replace the tedious individual wiring process with a flexible and uninterrupted system solution. As a result, the wiring overhead and the error rate are both reduced. Redundant functions within complex applications can be efficiently centralised or intelligently distributed.

The system bus is securely integrated within the 35 mm standard mounting rail. The SMD-bus contact block can be reflow-soldered so that it can be completely automatically processed during the component assembly. The resistant, gold-plated contact surfaces ensure a permanent and reliable contact for all housing widths.

Scalability with no limits

Unique: The integrated connection solution covers all system widths: from the 6 mm slice to the 67 mm large-area housing.



Easy to service during installation:

Quick: It's easy to replace a module, even in existing modules groups – without any influence on the neighbouring modules.



Unlimited configuration

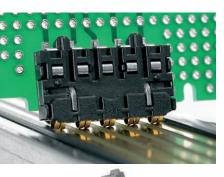
Compatible: The individual modules can be positioned anywhere on any TS 35 standard top-hat rail. Unused areas are safely covered.





Maximum availability:

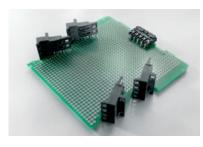
Reliable: Five fully-galvanised and partially gold-plated twin-arched contacts are used to establish a permanent contact to the rail bus. THR solder flanges ensure that the connection to the circuit board is stable.





Affordable assembly

Fully automatic: No manual post processing is required for the bus contact block - it is processed with the assembly group in a single SMT assembly process.



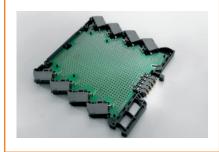
Safe installation

Low loss: You can safely avoid undesired bus interruptions and high contact resistances. Maximum facility availability ensured by the old-plated contact surfaces on the system bus and contact block, as well as the consistent system design.

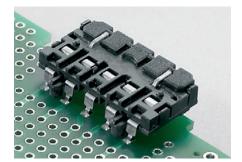


More flexibility in design

From design through production to application - CH20M6 sets the market standard with maximal board space with minimal exterior dimensions as well as allowing fully automatic reflow processing or bus connections.



Efficient: The SMD-compatible bus contact block is made from high-temperature-resistant LCP. It is designed for the SMT reflow process



OMNIMATE® Housing – CH20M67

The new housing offers new assembly dimensions in the 67.5 mm equipment class.

The CH20M-67 sets new standards on the market as a largescale housing in terms of flexibility for integrating intricate electronic subassemblies. You can distribute the electronic functions over as many as three printed-circuit boards. The front surface of the housings also has a unique size that can be used for freely laying out the operator interface.

Like all housings of the CH20M family from Weidmüller, the CH20M-67 also supports the connection to the mounting rail bus. The system bus is reliably integrated into the 35-mm standard mounting rail and replaces painstaking and error-prone individual wiring.

More reliability when connecting the conductors

Series equipment: The built-in conductor wire guard underinsertion protection prevents the hazardous underinsertion of the conductor and protects it from concealed contact faults. Being wire ready ensures that all connecting points are completely open at delivery.



More speed at installation

Series equipment: Screwed connections with wiring, supported by plus-minus screws, with power tools just right for automatic equipment.





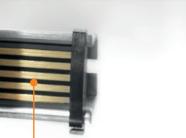
OMNIMATE® Housings Electronic housings



More layout area

The side Ventilation openings are standard equipment in the semi-cooling design and provide sufficient convection for demanding electronics with the maximised layout area on the printed-circuit board.





More flexibility for interfaces

Unused plug-in stations or connections that are only accessible from the factory side can be reliably and permanently sealed with the optional AD-SHL-SMT cover.



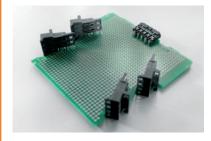
More stability on the mounting rail

The built-in click-in base is premounted at the factory which guarantees easy, reliable and vibration-free fastening on the DIN mounting rail. A guide with four points of support provides a solid base.



More design freedom

There is room for one to three printedcircuit boards placed on both sides CH20M-67. There is maximum design flexibility since each printed-circuit board can take four freely selectable positions in the housing.



More mounting space

The printed-circuit boards can be positioned at a distance of 2.3 mm (and also 5 mm to the housing wall). This gives you the free choice of single- or doublesided assembly.



OMNIMATE® Housings Design-IN made easy From the circuit diagram to the PCB

Our electronics housings can be customised quickly and easily with the aid of the Weidmüller Configurator.

Efficient digital engineering

The Weidmüller Configurator (WMC) & EDA data

1. Tried-and-tested configuration designs in real 3D

Configure your own housing quickly and easily with the Weidmüller Configurator. The smart linking of our assembly-specific individual parts enables a simple and clear assembly of your housing. The integrated plausibility and collision check together with the complete digital documentation ensures that you can rely 100% on your configuration.

2. Seamless CAD Integration

Integrated interfaces enable the simple export of product data between the WMC and all common CAD tools.

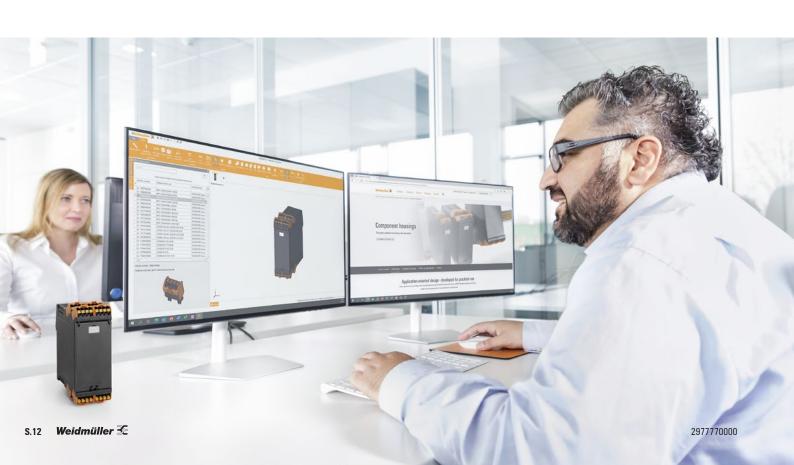
3. Quickly and easily back on the PCB

With our EDA component library and predefined PCB layouts, you can quickly and easily integrate our products into your EDA software.



Get started online now! www.weidmueller.com/wmc





OMNIMATE® sample service

Quick and easy from an idea to your desk.

Try out our electronics housings yourself and order up to three free samples from the OMNIMATE® sample service. These are available in the form of pre-assembled demonstration samples and unassembled development kits.

For your first circuits, stripboards are also available from this service and will be on your desk within 72 hours.



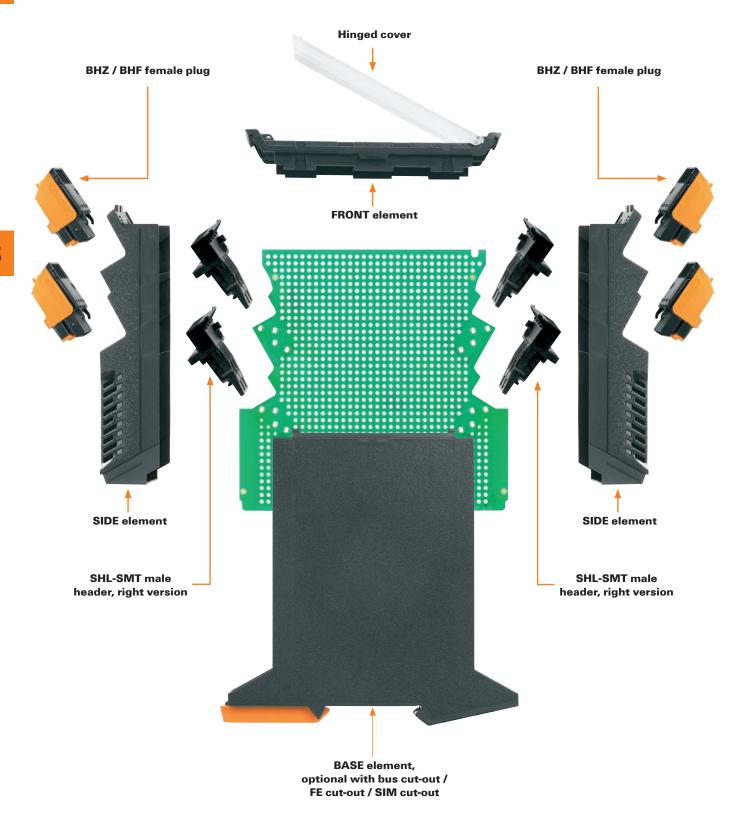
www.weidmueller.com/housingsample



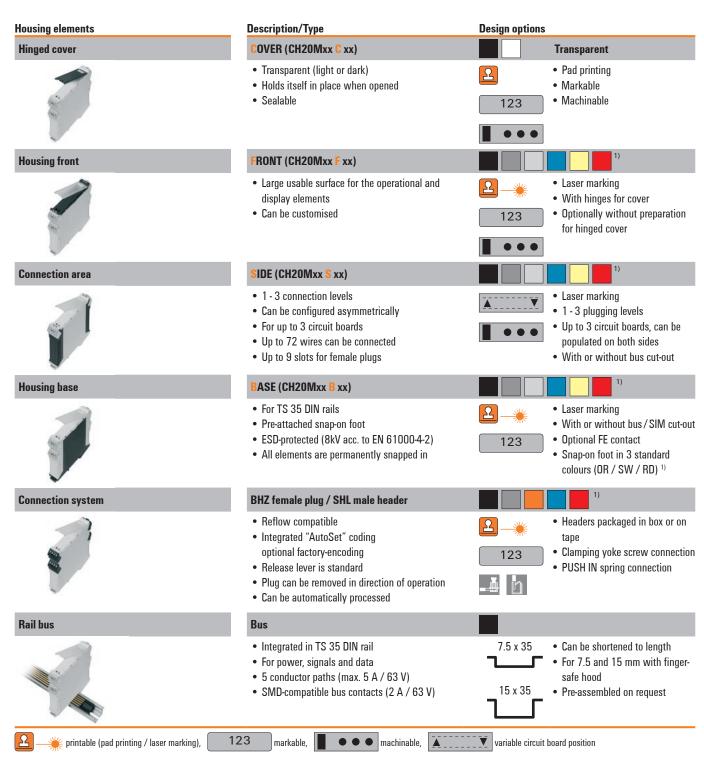
| Туре | Qty. | Order No. |
|----------------------------------|------|------------|
| Demonstration sample | • | |
| SK DEMO CH20M6 | 1 | 1203310000 |
| SK DEMO CH20M12 | 1 | 1111630000 |
| SK DEMO CH20M17 | 1 | 1167200000 |
| SK DEMO CH20M22 | 1 | 1105600000 |
| SK DEMO CH20M45 | 1 | 1111640000 |
| SK DEMO CH20M67 | 1 | 1270820000 |
| Development kit | | |
| SK S-KIT CH20M6 | 1 | 1203290000 |
| SK S-KIT CH20M12 | 1 | 1167190000 |
| SK S-KIT CH20M17 | 1 | 1255820000 |
| SK S-KIT CH20M22 | 1 | 1158390000 |
| SK S-KIT CH20M45 | 1 | 1203350000 |
| SK S-KIT CH20M67 | 1 | 1275810000 |
| Hole pattern boards | | |
| SAMPLE LP CH20M6 | 1 | 1171090000 |
| SAMPLE LP CH20M PPX | 1 | 1105580000 |
| SAMPLE LP CH20M PPP | 1 | 1317200000 |
| Bus system sample | | |
| SK S-KIT IN-RAIL BUS CH20M 12-67 | 1 | 1327040000 |
| | | |
| | | |

2977770000 **Weidmüller ₹** S.13

OMNIMATE® Housing – System CH20M System overview



Weidmüller ₹ 2977770000



1) Other colours on request weitere Farben auf Anfrage

2977770000 **Weidmüller** ₹ \$.15

Design examples



Hinged cover, transparent CH20M22 C TP on FRONT element, black CH20M22 F BK



Hinged cover, black **CH20M22 C BK**



FRONT element, black **CH20M22 F BK**



FRONT element, black: for use without hinged cover CH20M22 FC BK

Connection area (SIDE) with 1 - 3 connection levels



3-row. 12 connections **CH20M22 S PPP BK**



Black SIDE element Black SIDE element 3-row. 8 connections + RJ45 **CH20M22 S RPP BK**



2-row, 8 connections **CH20M22 S PPSC BK**



Black SIDE element Black SIDE element 1-row. 4 connections CH20M22 S **PSCSC BK**

Connection area (SIDE) with 1 - 3 connection levels and varying connection configurations



Black SIDE element 1-row 8 connections-CH20M45 S P2SC/P2SC BK



Black SIDE element 2-row 16 connections CH20M45 S 2PSC/2PSC BK

incl. Male header **CH20M AD-SHL**



Black SIDE element 2-row 8 connections CH20M45 S 2PSC/3SC BK

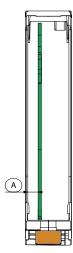


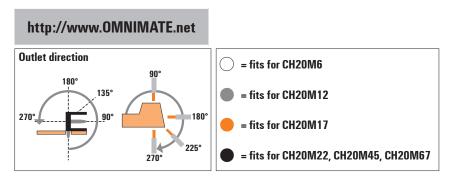
Black SIDE element 2-row 8 connections CH20M45 S 3SC/2PSC BK

Weidmüller 🏖 2977770000

2977770000 **Weidmüller ₹** \$.17

Туре





Orientation



| | | | Oncination | | | | |
|--------------|------------------|----------|------------|-----------------|-------------------------|------------|-----------------------------------|
| • | | | | Number of poles | | | |
| | | | | ı | Alignment of connection | side | |
| | | | | | I | Pin length | |
| | | | | | | · iong | Distance moulding wall to PCB (A) |
| _ | | | | | | | Distance moduling wan to FCD (A) |
| PCB-terminal | Clamping yoke | LHZ-SMT | 90° | 1 | | | |
| ۱ | | BHZ 5.00 | 90° | 2 | | | |
| Female plug | | BHZ 5.00 | 90° | 3 | | | |
| | | BHZ 5.00 | 90° | 4 | | | |
| PCB-terminal | PUSH IN | LHF-SMT | 180° | 1 | | | |
| | | BHF 5.00 | 180° | 2 | | | |
| Female plug | | BHF 5.00 | 180° | 3 | | | |
| | | BHF 5.00 | 180° | 4 | | | |
| | | | | | | | |

S.18 Weidmüller ₹ 2977770000

| PCB-terminal | | | | Male I | header | | | |
|--------------|------------|-------------------|------------|------------|------------|------------|------------|------------|
| | TH | IR solder connect | ion | | | = 6 | connection | |
| | | | | | | | | |
| LHZ/LHF-SMT | SHL-SMT | SHL-SMT | SHL-SMT | SHL-SMT | SHL-SMT | SHL-SMT | SHL-SMT | SHL-SMT |
| 90°/180° | 90° | 90° | 90° | 90° | 90° | 90° | 90° | 90° |
| 1 | 2 | 3 | 3 | 4 | 4 | 2 | 3 | 4 |
| left/right | left/right | left/right | left/right | left/right | left/right | left/right | left/right | left/right |
| 1.5 mm | 4.2 mm | 1.5 mm | 4.2 mm | 1.5 mm | 4.2 mm | 5.9 mm | 5.9 mm | 5.9 mm |
| | 2.3 mm | 5 mm | 2.3 mm | 5 mm | 2.3 mm | 2.3 mm | 2.3 mm | 2.3 mm |
| 0 | | | | | | | | |
| | • | | | | | • | | |
| | | • | • | | | | • | |
| | | | | • | • | | | • |
| 0 | | | | | | | | |
| | • | | | | | • | | |
| | | • | • | | | | | |
| | | | | • | • | | | • |

2977770000 **Weidmüller** ₹ \$.19

CH20M6



Modular component housing for electronic components

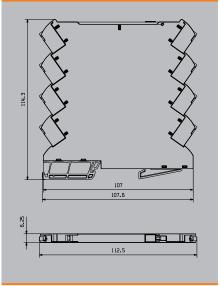
• 6.1mm wide

Technical data

| Number of PCBs, max. | 1 |
|---------------------------------------|-----------------|
| Number of connection levels, max. | 8 |
| Number of poles, max. | 8 |
| Height of components on the PCB, max. | 3.5 mm |
| Type of assembly of the PCB | one-sided |
| UL 94 flammability rating | V-0 |
| Type of insulation material | PBT |
| Insulating material group | II |
| Comparative Tracking Index (CTI) | 100 < CTI < 600 |

| Demo/Sample Kit | | |
|---------------------------------------------------------------------------------------------------|------|---------------------|
| Туре | Qty. | Order No. |
| SK DEMO CH20M6 | 1 | 1203310000 |
| SK S-KIT CH20M6 | 1 | 1203290000 |
| Demo kits are already assembled in final con S-kits contain individual parts (e.g. for prototy | | ionstrationpieces), |

Dimensioned drawing



CH20M6 BP

Housing base



Ordering data

| Version | Colour | Cut out in clip-on foot area for: | Туре | Order No. |
|--------------|-------------------------|------------------------------------|--------------------------------------|------------|
| Housing base | part | | | |
| | Agate grey | | CH20M6 BP 4P-4P AGY LF 1 1293807 | 2771450000 |
| - | black | | CH20M6 BP 4P-4P BK LF 1 1261494 | 2771470000 |
| | Pebble grey | | CH20M6 BP 4P-4P GY LF 1 1261516 | 2771460000 |
| | red | | CH20M6 BP 4P-4P RD LF 1 1261515 | 2771490000 |
| | Traffic grey (RAL) | | CH20M6 BP 4P-4P TGY LF 1 1293806 | 2771480000 |
| Housing base | part including preparat | ion for busconnector | | |
| | Agate grey | BUS-contact, contact not included! | CH20M6 BP 4P-4P BUS AGY LF 1 1293807 | 2771420000 |
| 4 | black | BUS-contact, contact not included! | CH20M6 BP 4P-4P BUS BK LF 1 1261494 | 2771430000 |
| | Pebble grey | BUS-contact, contact not included! | CH20M6 BP 4P-4P BUS GY LF 1 1261516 | 2771440000 |
| 200 | red | BUS-contact, contact not included! | CH20M6 BP 4P-4P BUS RD LF 1 1261515 | 2771410000 |
| ~ | Traffic grey (RAL) | BUS-contact, contact not included! | CH20M6 BP 4P-4P BUS TGY LF 1 1293806 | 2771400000 |
| Housing base | part including function | al earth connector | | |
| (Barrella) | black | FE contact, Contact included! | CH20M6 BP 4P-4P FE BK 1 1261494 | 2435460000 |
| Ş | K | | | |
| | λ | | | |
| | <u> </u> | | | |
| Note | | | | |
| | | | | |

CH20M6 C



Ordering data

| Version | Colour | Туре | Order No. |
|------------|--------------------|------------------|------------|
| Flip cover | | | |
| > | black, Transparent | CH20M6 C BK 1819 | 2418620000 |
| 2 | Transparent | CH20M6 C TP 8089 | 1073410000 |
| | | | |
| Ų. | | | |
| Note | | | |

CH20M6 BC

Housing side panel



Ordering data

| | CH20M6 BC 4P-4P AGY 1 1293807 CH20M6 BC 4P-4P BK 1 1261494 CH20M6 BC 4P-4P GY 1 1261516 CH20M6 BC 4P-4P RD 1 1261515 CH20M6 BC 4P-4P TGY 1 1293806 | 2771210000 2771160000 2771180000 2771190000 |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | CH20M6 BC 4P-4P BK 1 1261494 CH20M6 BC 4P-4P GY 1 1261516 CH20M6 BC 4P-4P RD 1 1261515 | 2771160000 2771180000 |
| | CH20M6 BC 4P-4P GY 1 1261516 CH20M6 BC 4P-4P RD 1 1261515 | 2771180000 |
| | CH20M6 BC 4P-4P RD 1 1261515 | |
| | | 277119000 |
| | CU20MG DC AD AD TCV 1 120200G | |
| | CHZUNO BC 4F-4F 101 1 1233000 | 277120000 |
| connector | | |
| BUS-contact, contact not included! | CH20M6 BC 4P-4P BUS AGY 1 1293807 | 277122000 |
| BUS-contact, contact not included! | CH20M6 BC 4P-4P BUS BK 1 1261494 | 277113000 |
| BUS-contact, contact not included! | CH20M6 BC 4P-4P BUS GY 1 1261516 | 277114000 |
| BUS-contact, contact not included! | CH20M6 BC 4P-4P BUS RD 1 1261515 | 277115000 |
| BUS-contact, contact not included! | CH20M6 BC 4P-4P BUS TGY 1 1293806 | 277117000 |
| | BUS-contact, contact not included! BUS-contact, contact not included! BUS-contact, contact not included! BUS-contact, contact not included! | BUS-contact, contact not included! CH20M6 BC 4P-4P BUS GY 1 1261516 BUS-contact, contact not included! CH20M6 BC 4P-4P BUS RD 1 1261515 |

2977770000 **Weidmüller № S.21**

CH20M12



Modular component housing for electronic components

- 12.5 mm wide
- Pluggable wire connection

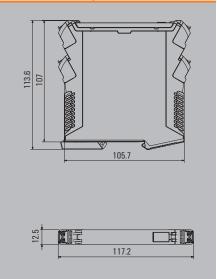
Technical data

| Number of PCBs, max. | 1 |
|----------------------------------------------|--------------|
| Number of connection levels, max. | 3 |
| Number of slots for female connectors of the | 6 |
| mounted assembly, max. | |
| Number of poles, max. | 12 |
| Height of components on the PCB, max. | 6.1 mm |
| Type of assembly of the PCB | double-sided |
| UL 94 flammability rating | V-0 |
| Type of insulation material | PA 66 GF 30 |
| Insulating material group | I |
| Comparative Tracking Index (CTI) | 600 ≤ CTI |

Demo/Sample Kit

| Туре | Qty. | Order No. |
|--------------------------------------------------------------------------------------------------|------|---------------------|
| SK DEMO CH20M12 | 1 | 1111630000 |
| SK S-KIT - CH20M12 | 1 | 1167190000 |
| Demo kits are already assembled in final con S-kits contain individual parts (e.g. for protot | | ionstrationpieces), |

Dimensioned drawing



CH20M12 B

Base element



Ordering data

| Version | Colour | Color of clip-on foot | Cut out in clip-on foot area for: | Туре | Order No. |
|-------------------|---------------|-------------------------|------------------------------------|---------------------------|------------|
| Housing base eler | nent | | | | |
| 4 | Agate grey | black | | CH20M12 B AGY/BK 3747 | 2554620000 |
| | black | black | | CH20M12 B BK/BK 2010 | 1104170000 |
| | black | orange | | CH20M12 B BK/OR 2010 | 1104180000 |
| • | Light Grey | black | | CH20M12 B LGY/BK 2018 | 1294310000 |
| Housing base eler | nent includin | g functional cut-out in | snap-in foot area | | |
| 4 | black | black | BUS-contact, contact not included! | CH20M12 B BUS BK/BK 2010 | 1366350000 |
| | black | orange | BUS-contact, contact not included! | CH20M12 B BUS BK/OR 2010 | 1176980000 |
| | Light Grey | black | BUS-contact, contact not included! | CH20M12 B BUS LGY/BK 2018 | 1310520000 |
| 1 | black | orange | FE contact, contact not included! | CH20M12 B FE BK/OR 2010 | 1176990000 |
| Note | | | | | |

CH20M12 C / CH20M12 F

Cover element / Front element





Ordering data

| Version | Colour | Flip cover mountable | Туре | Order No. |
|---------------|--------------------------|----------------------|--------------------|------------|
| Front element | including preperation fo | or flip cover | | |
| | Agate grey | Yes | CH20M12 F AGY 3747 | 2554760000 |
| | black | Yes | CH20M12 F BK 2010 | 1104190000 |
| - | Light Grey | Yes | CH20M12 F LGY 2018 | 1294350000 |
| | | | | |
| Flip cover | | | | |
| | black, Transparent | | CH20M12 C BK 1819 | 1104240000 |
| 10 | Transparent | | CH20M12 C TP 8089 | 1104250000 |
| | | | | |
| | | | | |
| Note | | | | |
| | | | | |

CH20M12 S

Side element



Ordering data

| /ersion | Colour | Number of slots for female plugs | Number of ventilation openings | Туре | Order No. |
|--------------|----------------------|----------------------------------|--------------------------------|--------------------------|------------|
| Side element | with three plugs pe | r side | | | |
| ad. | black | 3 | 0 | CH20M12 S PPP BK 2010 | 1174280000 |
| ₹ | light blue | 3 | 0 | CH20M12 S PPP BL 2013 | 1294340000 |
| - 1 | Light Grey | 3 | 0 | CH20M12 S PPP LGY 2018 | 1294330000 |
| | Agate grey | 3 | 0 | CH20M12 S PPP AGY 3747 | 2554690000 |
| ide element | with two plugs per | side | | | |
| ad. | Agate grey | 2 | 1 | CH20M12 S PPSC AGY 3747 | 2554860000 |
| ₹ | black | 2 | 1 | CH20M12 S PPSC BK 2010 | 1104200000 |
| 1 | light blue | 2 | 1 | CH20M12 S PPSC BL 2013 | 1104220000 |
| | Light Grey | 2 | 1 | CH20M12 S PPSC LGY 2018 | 1294320000 |
| ide element | with one plug per si | ide | | | |
| ad. | Agate grey | 1 | 2 | CH20M12 S PSCSC AGY | 2638340000 |
| - 2 | black | 1 | 2 | CH20M12 S PSCSC BK 2010 | 1104210000 |
| | light blue | 1 | 2 | CH20M12 S PSCSC BL 2013 | 1104230000 |
| | Light Grey | 1 | 2 | CH20M12 S PSCSC LGY 2018 | 1312680000 |
| lote | | | | | |

2977770000 **Weidmüller № S.23**

S

CH20M17



Modular component housing for electronic components

- 17.5 mm wide
- Pluggable wire connection

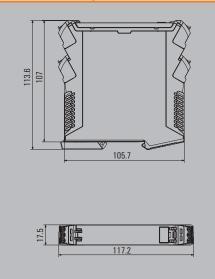
Technical data

| Number of PCBs, max. | 1 |
|----------------------------------------------|--------------|
| Number of connection levels, max. | 3 |
| Number of slots for female connectors of the | 6 |
| mounted assembly, max. | |
| Number of poles, max. | 18 |
| Height of components on the PCB, max. | 11.1 mm |
| Type of assembly of the PCB | double-sided |
| UL 94 flammability rating | V-0 |
| Type of insulation material | PA 66 GF 30 |
| Insulating material group | I |
| Comparative Tracking Index (CTI) | 600 ≤ CTI |

Demo/Sample Kit

| Туре | Qty. | Order No. | | | |
|-------------------------------------------------------------------------------|------|------------|--|--|--|
| SK DEMO CH20M17 | 1 | 1167200000 | | | |
| SK S-KIT CH20M17 | 1 | 1255820000 | | | |
| Demo kits are already assembled in final configuration (demonstrationpieces), | | | | | |

Dimensioned drawing



CH20M17 B

Base element



Ordering data

| Version | Colour | Color of clip-on foot | Cut out in clip-on foot area for: | Туре | Order No. |
|-------------------|---------------|-------------------------|------------------------------------|--------------------------|------------|
| Housing base eler | ment | | | | |
| 4. | Agate grey | black | | CH20M17 B AGY/BK 3747 | 2554640000 |
| | black | black | | CH20M17 B BK/BK 2010 | 1254120000 |
| | black | orange | | CH20M17 B BK/OR 2010 | 1254130000 |
| 1 | light blue | black | | CH20M17 B BL/BK 2013 | 1544520000 |
| Housing base ele | ment includin | g functional cut-out in | snap-in foot area | | |
| 4. | black | black | BUS-contact, contact not included! | CH20M17 B BUS BK/BK 2010 | 1366280000 |
| | black | orange | BUS-contact, contact not included! | CH20M17 B BUS BK/OR 2010 | 1254180000 |
| | black | black | FE contact, contact not included! | CH20M17 B FE BK/BK 2010 | 1378000000 |
| 1 | black | orange | FE contact, contact not included! | CH20M17 B FE BK/OR 2010 | 1254190000 |
| Note | | | | | |

CH20M17 C / CH20M17 F

Cover element / Front element





Ordering data

| Version | Colour | Flip cover mountable | Туре | Order No. |
|-----------------|------------------------|----------------------|---------------------|------------|
| Front element | | | | |
| | black | No | CH20M17 FC BK 2010 | 2655080000 |
| | Traffic yellow | No | CH20M17 FC TYL 2083 | 2655070000 |
| | | | | |
| Front element i | ncluding preperation t | or flip cover | | |
| | Agate grey | Yes | CH20M17 F AGY 3747 | 2554750000 |
| | black | Yes | CH20M17 F BK 2010 | 1254140000 |
| - | Light Grey | Yes | CH20M17 F LGY 2018 | 1529530000 |
| Flip cover | | | | |
| • | black | | CH20M17 C BK 1819 | 1254150000 |
| 130 | Transparent | | CH20M17 C TP 8089 | 1254160000 |
| 4 | | | | |
| _ | | | | |
| Note | | | | |

CH20M17 S

Side element



Ordering data

| Version | Colour | Number of slots for female plugs | Number of ventilation openings | Туре | Order No. |
|------------------|------------------------|----------------------------------|--------------------------------|------------------------|------------|
| Side element wit | th three plugs per sid | <u> </u> | | | |
| w. | Agate grey | 3 | 0 | CH20M17 S PPP AGY 3747 | 2554700000 |
| 41 | black | 3 | 0 | CH20M17 S PPP BK 2010 | 1254170000 |
| \$ | Light Grey | 3 | 0 | CH20M17 S PPP LGY 2018 | 1529520000 |
| 20 | Traffic yellow | 3 | 0 | CH20M17 S PPP TYL 2083 | 1395730000 |
| Note | | | | | |

2977770000 **Weidmüller № S.25**

S

CH20M22



Modular component housing for electronic components

- 22.5 mm wide
- Pluggable wire connection

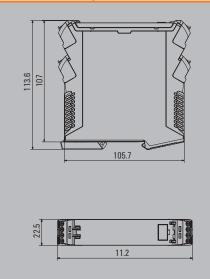
Technical data

| Number of PCBs, max. | 1 |
|----------------------------------------------|--------------|
| Number of connection levels, max. | 3 |
| Number of slots for female connectors of the | 6 |
| mounted assembly, max. | |
| Number of poles, max. | 24 |
| Height of components on the PCB, max. | 16.1 mm |
| Type of assembly of the PCB | double-sided |
| UL 94 flammability rating | V-0 |
| Type of insulation material | PA 66 GF 30 |
| Insulating material group | I |
| Comparative Tracking Index (CTI) | 600 ≤ CTI |

Demo/Sample Kit

| Туре | Qty. | Order No. | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------|------|------------|--|--|--|
| SK DEMO CH20M22 | 1 | 1105600000 | | | |
| SK S-KIT - CH20M22 | 1 | 1158390000 | | | |
| Demo kits are already assembled in final configuration (demonstrationpieces), S-kits contain individual parts (e.g. for prototyping) | | | | | |

Dimensioned drawing



CH20M22 B

Base element



Ordering data

| Version | Colour | Color of clip-on foot | Cut out in clip-on foot area for: | Туре | Order No. |
|--------------|---------------------|--------------------------|------------------------------------------------|-----------------------------|------------|
| Housing base | element | | | | |
| | Agate grey | black | | CH20M22 B AGY/BK 3747 | 1545130000 |
| | black | black | | CH20M22 B BK/BK 2010 | 2418630000 |
| | black | orange | | CH20M22 B BK/OR 2010 | 1104450000 |
| | black | red | | CH20M22 B BK/RD 2010 | 2555100000 |
| | Graphite grey | black | | CH20M22 B GGY/BK 2019 | 1073350000 |
| • | Light Grey | black | | CH20M22 B LGY/BK 2018 | 1164670000 |
| | red | black | | CH20M22 B RD/BK 2014 | 1206870000 |
| Housing base | element including t | functional cut | -out in snap-in foot area | | |
| | black | black | BUS-contact, contact not included! | CH20M22 B BUS BK/BK 2010 | 1243030000 |
| | black | orange | BUS-contact, contact not included! | CH20M22 B BUS BK/OR 2010 | 1177000000 |
| | Agate grey | black | FE contact, contact not included! | CH20M22 B FE AGY/BK 3747 | 1472800000 |
| | black | orange | FE contact, contact not included! | CH20M22 B FE BK/OR 2010 | 1177010000 |
| | black | black | BUS-contact, FE contact, contact not included! | CH20M22 B BUS FE BK/BK 2010 | 1384030000 |
| • | black | orange | BUS-contact, FE contact, contact not included! | CH20M22 B BUS FE BK/OR 2010 | 2004700000 |
| | black | orange | Micro SIM card (3FF) | CH20M22 B SIM BK/OR 2010 | 2743520000 |
| Note | | | | | |

CH20M22 C / CH20M22 F

Cover element / Front element





Ordering data

| Version | Colour | Flip cover mountable | Туре | Order No. |
|----------------------------------------------|----------------------------|----------------------|-----------------------|------------|
| Front element | | | | |
| | Agate grey | No | CH20M22 FC AGY 3747 | 1472810000 |
| | black | No | CH20M22 FC BK 2010 | 1209350000 |
| | Graphite grey | No | CH20M22 FC GGY 2019 | 1209360000 |
| | Light Grey | No | CH20M22 FC LGY 2018 | 1209370000 |
| | red | No | CH20M22 FC RD 2014 | 1206880000 |
| | black, Transparent | No | CH20M22 FC TP BK 1819 | 2639980000 |
| | Traffic yellow | No | CH20M22 FC TYL 2083 | 1304240000 |
| Front element in | cluding preperation for fl | ip cover | | |
| | Agate grey | Yes | CH20M22 F AGY 3747 | 2554730000 |
| | black | Yes | CH20M22 F BK 2010 | 2418640000 |
| | Graphite grey | Yes | CH20M22 F GGY 2019 | 1073360000 |
| 1 | Light Grey | Yes | CH20M22 F LGY 2018 | 1164680000 |
| | red | Yes | CH20M22 F RD 2014 | 1209380000 |
| | Traffic yellow | Yes | CH20M22 F TYL 2083 | 1350230000 |
| Flip cover | | | | |
| | black, Transparent | | CH20M22 C BK 1819 | 2418670000 |
| | Transparent | | CH20M22 C TP 8089 | 1073420000 |
| </td <td></td> <td></td> <td></td> <td></td> | | | | |
| | | | | |
| Note | | | | |

OMNIMATE® Housing Electronic housings

CH20M22 S

Side element



Ordering data

| ersion ersion | Colour | Number of slots for female plugs | Number of ventilation openings | Cut out functional port | Туре | Order No. |
|---------------|-----------------------|----------------------------------|--------------------------------|-------------------------|--------------------------|------------|
| ide element w | ith three plugs per : | side | | | | |
| | Agate grey | 3 | 0 | | CH20M22 S PPP AGY 3747 | 2554840000 |
| Жı | black | 3 | 0 | | CH20M22 S PPP BK 2010 | 1139790000 |
| - 8 | light blue | 3 | 0 | | CH20M22 S PPP BL 2013 | 1296430000 |
| <u> </u> | Graphite grey | 3 | 0 | | CH20M22 S PPP GGY 2019 | 1411500000 |
| • | Light Grey | 3 | 0 | | CH20M22 S PPP LGY 2018 | 1296440000 |
| ide element w | ith two plugs per si | de | | | | |
| | Agate grey | 2 | 1 | | CH20M22 S PPSC AGY 3747 | 2554710000 |
| wt. | black | 2 | 1 | | CH20M22 S PPSC BK 2010 | 2418650000 |
| Q | light blue | 2 | 1 | | CH20M22 S PPSC BL 2013 | 2418660000 |
| | Graphite grey | 2 | 1 | | CH20M22 S PPSC GGY 2019 | 1073370000 |
| - | Light Grey | 2 | 1 | | CH20M22 S PPSC LGY 2018 | 1164690000 |
| | red | 2 | 1 | | CH20M22 S PPSC RD 2014 | 1206890000 |
| ide element w | ith one plug per sid | е | | | | |
| | Agate grey | 1 | 2 | | CH20M22 S PSCSC AGY 3747 | 2554850000 |
| Xhi . | black | 1 | 2 | | CH20M22 S PSCSC BK 2010 | 1080630000 |
| | light blue | 1 | 2 | | CH20M22 S PSCSC BL 2013 | 1070620000 |
| | Graphite grey | 1 | 2 | | CH20M22 S PSCSC GGY 2019 | 1451120000 |
| - | Light Grey | 1 | 2 | | CH20M22 S PSCSC LGY 2018 | 1432860000 |
| ide element w | ith two plugs, one f | unctional port per side | | | | |
| w. | Agate grey | 2 | 0 | RJ45 | CH20M22 S RPP AGY 3747 | 1472820000 |
| 4 | black | 2 | 0 | RJ45 | CH20M22 S RPP BK 2010 | 1276590000 |
| Я | Light Grey | 2 | 0 | RJ45 | CH20M22 S RPP LGY 2018 | 1470700000 |
| • | | | | | | |
| lote | | | | | | |

2977770000 **Weidmüller № S.27**

S

CH20M45



Modular component housing for electronic components

- 45 mm wide
- Pluggable wire connection

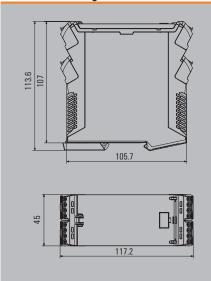
Technical data

| Number of PCBs, max. | 2 |
|----------------------------------------------|--------------|
| Number of connection levels, max. | 3 |
| Number of slots for female connectors of the | 12 |
| mounted assembly, max. | |
| Number of poles, max. | 48 |
| Height of components on the PCB (usage of | 38.6 mm |
| 1 PCB), max. | |
| Height of components on the PCB (usage of | 34.7 mm |
| 2 PCB), max. | |
| Type of assembly of the PCB | double-sided |
| UL 94 flammability rating | V-0 |
| Type of insulation material | PA 66 GF 30 |
| Insulating material group | [|
| Comparative Tracking Index (CTI) | 600 ≤ CTI |
| | |

Demo/Sample Kit

| Туре | Qty. | Order No. | | | |
|-------------------------------------------------------------------------------|------|------------|--|--|--|
| SK DEMO CH20M45 | 1 | 1111640000 | | | |
| SK S-KIT CH20M45 | 1 | 1203350000 | | | |
| Demo kits are already assembled in final configuration (demonstrationpieces), | | | | | |

Dimensioned drawing



CH20M45 B

Base element



Ordering data

| Version | Colour | Color of clip-on | Cut out in clip-on foot area for: | Туре | Order No. |
|--------------|-------------------|-------------------|------------------------------------|---------------------------|-----------|
| | | foot | | | |
| lousing base | element | | | | |
| | black | black | | CH20M45 B BK/BK 2010 | 110440000 |
| | black | orange | | CH20M45 B BK/OR 2010 | 110441000 |
| | black | red | | CH20M45 B BK/RD 2010 | 255511000 |
| | Graphite grey | black | | CH20M45 B GGY/BK 2019 | 116471000 |
| | Light Grey | black | | CH20M45 B LGY/BK 2018 | 116475000 |
| | red | black | | CH20M45 B RD/BK 2014 | 120691000 |
| lousing base | element including | functional cut-ou | ıt in snap-in foot area | | |
| | black | black | BUS-contact, contact not included! | CH20M45 B BUS BK/BK 2010 | 147600000 |
| | black | orange | BUS-contact, contact not included! | CH20M45 B BUS BK/OR 2010 | 117702000 |
| | Graphite grey | black | BUS-contact, contact not included! | CH20M45 B BUS GGY/BK 2019 | 141377000 |
| | black | orange | FE contact, contact not included! | CH20M45 B FE BK/OR 2010 | 117703000 |
| 1 | light blue | orange | FE contact, contact not included! | CH20M45 B FE BL/OR 2013 | 257968000 |
| | black | black | Micro SIM card (3FF) | CH20M45 B SIM BK/BK 2010 | 273867000 |

CH20M45 C / CH20M45 F

Cover element / Front element





Ordering data

| Version | Colour | Flip cover mountable | Туре | Order No. |
|------------------|----------------------------|----------------------|-----------------------|------------|
| Front element | | | | |
| | black | No | CH20M45 FC BK 2010 | 1164800000 |
| | Graphite grey | No | CH20M45 FC GGY 2019 | 1164730000 |
| | Light Grey | No | CH20M45 FC LGY 2018 | 1164780000 |
| - | red | No | CH20M45 FC RD 2014 | 1206920000 |
| | black, Transparent | No | CH20M45 FC TP BK 1819 | 2673070000 |
| Front element in | cluding preperation for fl | ip cover | | |
| | black | Yes | CH20M45 F BK 2010 | 1104420000 |
| | light blue | Yes | CH20M45 F BL 2013 | 2579660000 |
| | Graphite grey | Yes | CH20M45 F GGY 2019 | 1164720000 |
| | Light Grey | Yes | CH20M45 F LGY 2018 | 1164770000 |
| | red | Yes | CH20M45 F RD 2014 | 1209390000 |
| | Traffic yellow | Yes | CH20M45 F TYL 2083 | 1337640000 |
| Flip cover | | | | |
| | black, Transparent | | CH20M45 C BK 1819 | 1104430000 |
| (3) | Transparent | | CH20M45 C TP 8089 | 1104440000 |
| | | | | |
| Note | | | | |

CH20M45 S

Side element



Ordering data

| /ersion | Colour | Number of slots for female plugs | Number of ventilation openings | Cut out functional port | Туре | Order No. |
|---------------|--------------------|------------------------------------------|--------------------------------|-------------------------|------------------------------|------------|
| ide element w | ith six plugs per | side | | | | |
| % | black | 6 | 0 | | CH20M45 S 3P/3P BK 2010 | 1137730000 |
| - 33 | light blue | 6 | 0 | | CH20M45 S 3P/3P BL 2013 | 2624760000 |
| 351 | Light Grey | 6 | 0 | | CH20M45 S 3P/3P LGY 2018 | 1444330000 |
| _ | Traffic yellow | | 0 | | CH20M45 S 3P/3P TYL 2083 | 1482830000 |
| ide element w | ith four plugs pe | | | | | |
| | black | 4 | 2 | | CH20M45 S 2PSC/2PSC BK 2010 | 1111720000 |
| * | light blue | 4 | 2 | | CH20M45 S 2PSC/2PSC BL 2013 | 147691000 |
| 3 | Graphite grey | | 2 | | CH20M45 S 2PSC/2PSC GGY 2019 | 116474000 |
| | Light Grey | 4 | 2 | | CH20M45 S 2PSC/2PSC LGY 2018 | 116479000 |
| - | red | 4 | 2 | | CH20M45 S 2PSC/2PSC RD 2014 | 120693000 |
| | Traffic yellow | | 2 | | CH20M45 S 2PSC/2PSC TYL 2083 | 132799000 |
| ide element w | ith two plugs pe | r side | | | | |
| * | black | 2 | 4 | | CH20M45 S P2SC/P2SC BK 2010 | 116618000 |
| | light blue | 2 | 4 | | CH20M45 S P2SC/P2SC BL 2013 | 257967000 |
| ide element w | | r side, vertical left | | | | |
| * | black | 2 | 4 | | CH20M45 S 2PSC/3SC BK 2010 | 113774000 |
| | Light Grey | 2 | 4 | | CH20M45 S 2PSC/3SC LGY 2018 | 258548000 |
| ide element w | 1 0 1 | r side, vertical right | | | | |
| et. | black | 2 | 4 | | CH20M45 S 3SC/2PSC BK 2010 | 113775000 |
| 1 | Light Grey | 2 | 4 | | CH20M45 S 3SC/2PSC LGY 2018 | 258549000 |
| ide element w | ith three plugs, o | one functional port preperation per side | | | | |
| H | black | 3 | 2 | RJ45 | CH20M45 S RPSC/2PSC BK 2010 | 150004000 |
| ide element w | ith two plugs, or | ne functional port per side | | | | |
| * | black | 2 | 2 | Mini-USB, RJ45 | CH20M45 S 2PSC/RUSC BK 2010 | 150005000 |
| ote | | | | | | |

2977770000 **Weidmüller № S.29**

CH20M67



Modular component housing for electronic components

- 67.5 mm wide
- Pluggable wire connection

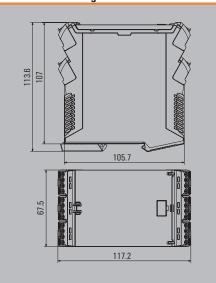
Technical data

| Number of PCBs, max. | 3 |
|----------------------------------------------|--------------|
| Number of connection levels, max. | 3 |
| Number of slots for female connectors of the | 18 |
| mounted assembly, max. | |
| Number of poles, max. | 72 |
| Height of components on the PCB (usage of | 61.1 mm |
| 1 PCB), max. | |
| Height of components on the PCB (usage of | 57.2 mm |
| 2 PCB), max. | |
| Height of components on the PCB (usage of | 34.7 mm |
| 3 PCB), max. | |
| Type of assembly of the PCB | double-sided |
| UL 94 flammability rating | V-0 |
| Type of insulation material | PA 66 GF 30 |
| Insulating material group | 1 |
| Comparative Tracking Index (CTI) | 600 ≤ CTI |
| | |

Demo/Sample Kit

| Туре | Qty. | Order No. | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------|------|------------|--|--|--|
| SK DEMO CH20M67 | 1 | 1270820000 | | | |
| SK S-KIT CH20M67 | 1 | 1275810000 | | | |
| Demo kits are already assembled in final configuration (demonstrationpieces), S-kits contain individual parts (e.g. for prototyping) | | | | | |

Dimensioned drawing



CH20M67 B

Base element



Ordering data

| ersion / | Colour | • | Cut out in clip-on foot area for: | Туре | Order No. |
|--------------|-------------------|-------------------|--------------------------------------|---------------------------|------------|
| | | foot | | | |
| lousing base | element | | | | |
| - | black | black | | CH20M67 B BK/BK 2010 | 1235270000 |
| | black | orange | | CH20M67 B BK/OR 2010 | 1235250000 |
| | Traffic yellow | black | | CH20M67 B TYL/BK 2083 | 2653360000 |
| 1 | | | | | |
| lousing base | element including | functional cut-ou | ıt in snap-in foot area | | |
| | black | black | BUS-contact, contact not included! | CH20M67 B BUS BK/BK 2010 | 1490820000 |
| 4 | black | orange | BUS-contact, contact not included! | CH20M67 B BUS BK/OR 2010 | 1247240000 |
| | Graphite grey | black | BUS-contact, contact not included! | CH20M67 B BUS GGY/BK 2019 | 1413780000 |
| | black | orange | FE contact, contact not included! | CH20M67 B FE BK/OR 2010 | 1247250000 |
| | black | orange | 2x FE contact, contact not included! | CH20M67 B 2FE BK/OR | 2745200000 |
| lote | | | | | |

CH20M67 F

Front element



Ordering data

| Version | Colour | Flip cover mountable | Туре | Order No. |
|---------------|----------------|----------------------|---------------------|------------|
| Front element | | | | |
| 628 | black | No | CH20M67 FC BK 2010 | 1235310000 |
| | Graphite grey | No | CH20M67 FC GGY 2019 | 1413810000 |
| | Traffic yellow | No | CH20M67 FC TYL 2083 | 2653370000 |
| | | | | |
| Note | | | | |

OMNIMATE® Housing Electronic housings

CH20M67 S

Side element



Ordering data

| Version | Colour | Number of slots for female plugs | Number of ventilation openings | Туре | Order No. |
|----------------|------------------------|----------------------------------|--------------------------------|-----------------------------------|------------|
| Side element w | ith nine plugs per sic | le | | | |
| * | black | 9 | 0 | CH20M67 S 3P/3P/3P BK 2010 | 1420370000 |
| - 92⊲ | Graphite grey | 9 | 0 | CH20M67 S 3P/3P/3P GGY 2019 | 1455770000 |
| | Traffic yellow | 9 | 0 | CH20M67 S 3P/3P/3P TYL 2083 | 2653380000 |
| - | | | | | |
| Side element w | ith six plugs per side | | | | |
| * | black | 6 | 3 | CH20M67 S 2PSC/2PSC/2PSC BK 2010 | 1235320000 |
| - 92≥ | Graphite grey | 6 | 3 | CH20M67 S 2PSC/2PSC/2PSC GGY 2019 | 1413820000 |
| | | | | | |
| | | | | | |
| Note | | | | | |
| | | | | | |

2977770000 **Weidmüller № S.31**

LHZ, LHF



THR PCB terminal for 6 mm housings, CH20M6 reflow-compatible, Pole count: 1

solder pin length: 1.5 mm Orientation: 90° / 180°

Technical data

| Insulating material | LCP |
|-----------------------------|-------|
| Flammability rating (UL 94) | VO |
| Rated voltage | 250 V |
| Rated current | 13 A |

| Conductors that can be connected | | | | | |
|----------------------------------|--------------------------------------------|--|--|--|--|
| Clamping range | 0.13 mm ² - 2.5 mm ² | | | | |
| Wire cross-section, | | | | | |
| AWG, min. | AWG 26 - AWG 14 | | | | |
| Solid, min. H05(07) V-U | 0.2 mm ² - 2.5 mm ² | | | | |
| Flexible, min. H05(07) V-K | 0.2 mm ² - 2.5 mm ² | | | | |
| With wire-end ferrule with | | | | | |
| DIN 46 228/4, min. | 0.2 mm ² - 2.5 mm ² | | | | |

| Rated data according to DIN I | EC |
|-------------------------------|-------|
| Rated voltage | |
| for surge voltage class / | |
| contamination degree III/3 | 250 V |
| Rated impulse voltage | |
| for surge voltage class / | |
| contamination degree III/3 | 4 kV |
| Rated voltage | |
| for surge voltage class / | |
| contamination degree III/2 | 320 V |
| Rated impulse voltage | |
| for surge voltage class / | |
| contamination degree III/2 | 4 kV |
| Rated voltage | |
| for surge voltage class / | |
| contamination degree II/2 | 500 V |
| Rated impulse voltage | · |
| for surge voltage class / | |
| contamination degree II/2 | 4 kV |
| | |

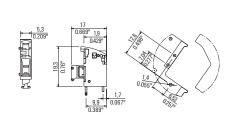
Note: Rated data according to UL - refer to the online data sheet

LHZ-SMT 1.5SN BK

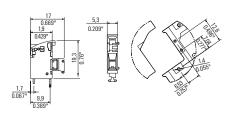
PCB terminal with screw connection



Dimensional drawing



Version left



Version right

Ordering data

| Type / Version | Qty. | Order No. |
|------------------------------|------|------------|
| LHZ-SMT L 1.5SN BK RL | | |
| Left version, tape-on-reel | 432 | 2418580000 |
| LHZ-SMT R 1.5SN BK RL | | |
| Right version, tape-on-reel | 432 | 2418590000 |
| LHZ-SMT L 1.5SN BK BX | | |
| Left version, Box packaging | 306 | 1137870000 |
| LHZ-SMT R 1.5SN BK BX | | |
| Right version, Box packaging | 306 | 1137880000 |
| | | |

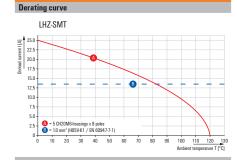
LHF-SMT 1.5SN BK/GY

PCB terminal with PUSH IN connection



Ordering data

| Oruering uata | | |
|------------------------------|------|------------|
| Type / Version | Qty. | Order No. |
| LHF-SMT L 1.5SN BK/GY RL | | |
| Left version, tape-on-reel | 432 | 2581750000 |
| LHF-SMT R 1.5SN BK/GY RL | | |
| Right version, tape-on-reel | 432 | 2581380000 |
| LHF-SMT L 1.5SN BK/GY BX | | |
| Left version, Box packaging | 306 | on request |
| LHF-SMT R 1.5SN BK/GY BX | | |
| Right version, Box packaging | 306 | on request |
| | | |

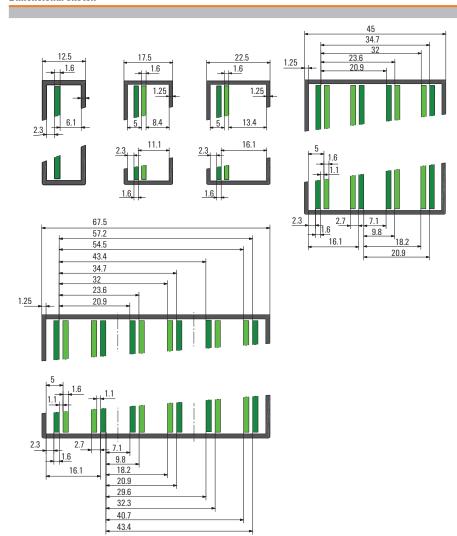


Circuit board positions in CH20M

| Housing width (mm) | 12.5 | 17.5 | 22.5 | 45.0 | 67.5 |
|-----------------------------|------|------|------|------|------|
| Number of circuit boards | 1 | 1 | 1 | 2 | 3 |
| Positions per circuit board | 1 | 2 | 2 | 4 | 4 |



Dimensional sketch



Features of the BHZ/BHF/SHL-SMT connector system

- $\bullet \ \, \text{Clamping yoke screw connection with "WireReady", wire guard protection and plus/minus screw} \\$
- Integrated, captive coding (with "AutoSet" function) protects against accidental mismatch
- Leading contact on the male headers
- · Finger-safety provided for both, male and female connector
- PUSH IN wire connection for especially fast wiring of electronics

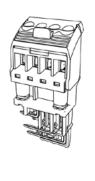


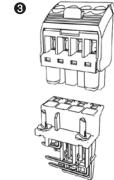


Coding can be set with one of 16 possible configurations



Connecting the female connector





Male header coding transferred to module

2977770000 **Weidmüller № 5.33**

SHL-SMT



THR male header for modular housing CH20M12-67
Can be reflow soldered, resistant to high temperatures
The position of the PCB (see also dimensional sketch) is
determined through the configuration of the pin headers
Suffix 1.5: PCB position 5,0 mm/pin length 1,5 mm (Reflow)
Suffix 4.2: PCB position 2,3 mm / pin length 1,5 mm (Reflow)
Suffix 5.9: PCB position 2,3 mm / pin length 3,2 mm (Wave)

Technical data

| Insulating material | LCP |
|-----------------------------|-------|
| Flammability rating (UL 94) | VO |
| Rated voltage | 250 V |
| Rated current | 10 A |

SHL-SMT 5.00/GL BX



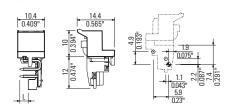
Left-sided pin header Box packaging

Ordering data

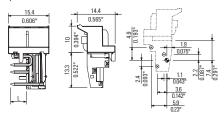
| Type / Version | Poles | Qty. | Order No. |
|-------------------------|-------|------|------------|
| SHL-SMT 5.00/02GL 4.2BX | 2 | 150 | 1069620000 |
| SHL-SMT 5.00/02GL 5.9BX | 2 | 150 | 1069750000 |
| | | | |
| SHL-SMT 5.00/03GL 1.5BX | 3 | 120 | 1063210000 |
| SHL-SMT 5.00/03GL 4.2BX | 3 | 120 | 1069630000 |
| SHL-SMT 5.00/03GL 5.9BX | 3 | 120 | 1069760000 |
| | | | |
| SHL-SMT 5.00/04GL 1.5BX | 4 | 108 | 1063220000 |
| SHL-SMT 5.00/04GL 4.2BX | 4 | 108 | 1069640000 |
| SHL-SMT 5.00/04GL 5.9BX | 4 | 108 | 1069770000 |
| | | | |

Dimensional drawing

Version left 2-pole



3-pole



SHL-SMT 5.00/GL RL



Left-sided pin header Tape-on-reel

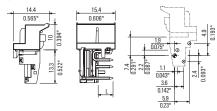
Ordering data

| Poles | Qty. | Order No. |
|-------|---------------------------------|-------------------------------------------------------------|
| 2 | 260 | 1069650000 |
| 2 | 260 | 1069780000 |
| | | |
| 3 | 175 | 1063240000 |
| 3 | 175 | 1069660000 |
| 3 | 175 | 1069790000 |
| | | |
| 4 | 130 | 1063250000 |
| 4 | 130 | 1069670000 |
| 4 | 130 | 1069810000 |
| | 2 2 3 3 3 4 4 | 2 260 2 260 3 175 3 175 3 175 4 130 4 130 |

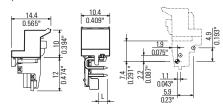
Dimensional drawing

Version right

2-pole



3-pole



Rated data when used together with BHZxx female plug: refer to page N.32

SHL-SMT 5.00/GR BX

SHL-SMT 5.00/GR RL



Version right Box packaging



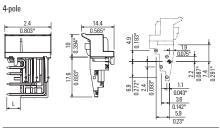
Version right Tape-on-reel

Ordering data

| Type / Version | Poles | Qty. | Order No. |
|-------------------------|-------|------|------------|
| SHL-SMT 5.00/02GR 4.2BX | 2 | 150 | 1069550000 |
| SHL-SMT 5.00/02GR 5.9BX | 2 | 150 | 1069680000 |
| | | | |
| SHL-SMT 5.00/03GR 1.5BX | 3 | 120 | 1063140000 |
| SHL-SMT 5.00/03GR 4.2BX | 3 | 120 | 1069560000 |
| SHL-SMT 5.00/03GR 5.9BX | 3 | 120 | 1069690000 |
| | | | |
| SHL-SMT 5.00/04GR 1.5BX | 4 | 108 | 1063150000 |
| SHL-SMT 5.00/04GR 4.2BX | 4 | 108 | 1069570000 |
| SHL-SMT 5.00/04GR 5.9BX | 4 | 108 | 1069710000 |

Dimensional drawing





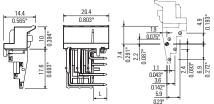
Ordering data

| Type / Version | Poles | Qty. | Order No. |
|-------------------------|-------|------|------------|
| SHL-SMT 5.00/02GR 4.2RL | 2 | 260 | 1069580000 |
| SHL-SMT 5.00/02GR 5.9RL | 2 | 260 | 1069720000 |
| | | | |
| SHL-SMT 5.00/03GR 1.5RL | 3 | 175 | 1063170000 |
| SHL-SMT 5.00/03GR 4.2RL | 3 | 175 | 1069590000 |
| SHL-SMT 5.00/03GR 5.9RL | 3 | 175 | 1069730000 |
| | | | |
| SHL-SMT 5.00/04GR 1.5RL | 4 | 130 | 1063180000 |
| SHL-SMT 5.00/04GR 4.2RL | 4 | 130 | 1069610000 |
| SHL-SMT 5.00/04GR 5.9RL | 4 | 130 | 1069740000 |

Dimensional drawing

Version right

4-pole



2977770000 **Weidmüller № 5.35**

BHZ, BHF



Female plug for modular housing CH20M12-67 5.00 mm, PUSH IN or Screw connection, integrated coding, release lever can be colour coded

Available in other colours on request

Technical data

| Insulating material | PA | |
|-----------------------------|-------|--|
| Flammability rating (UL 94) | VO | |
| Rated voltage | 250 V | |
| Rated current | 10 A | |

| Conductors that can be connected | | | | |
|----------------------------------|---------------------------------------------|--|--|--|
| Clamping range | 0.13 mm ² - 3.31 mm ² | | | |
| Wire cross-section, | | | | |
| AWG, min | AWG 26 - AWG 12 | | | |
| Solid, min. H05(07) V-U | 0.2 mm ² - 2.5 mm ² | | | |
| Flexible, min. H05(07) V-K | 0.2 mm ² - 2.5 mm ² | | | |
| With wire end ferrule, acc. to | | | | |
| DIN 46 228/1, max. | 0.2 mm ² - 2.5 mm ² | | | |
| With wire-end ferrule with | | | | |
| DIN 46 228/4. min. | 0.2 mm ² - 2.5 mm ² | | | |

| Rated data according to DIN | IEC |
|-----------------------------|-------|
| Rated current, | |
| Max. pole count (Tu=20 °C) | 10 A |
| Rated current, | |
| Max. pole count (Tu=40 °C) | 9 A |
| Rated voltage | |
| for surge voltage class / | |
| contamination degree III/3 | 250 V |
| Rated impulse voltage | |
| for surge voltage class / | |
| contamination degree III/3 | 4 kV |
| Rated impulse voltage | |
| for surge voltage class / | |
| contamination degree III/2 | 4 kV |
| Rated voltage | |
| for surge voltage class / | |
| contamination degree III/2 | 320 V |
| Rated voltage | |
| for surge voltage class / | |
| contamination degree II/2 | 400 V |
| Rated impulse voltage | |
| for surge voltage class / | |
| contamination degree II/2 | 4 kV |

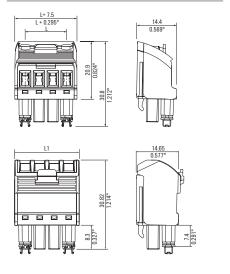
Note: Rated data according to UL - refer to the online data sheet

BHZ 5.00/90 BK/OR

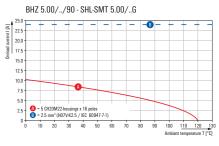
Female header with screw connection

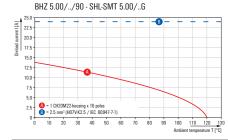


Dimensional drawing



Derating curv





Ordering data

| Type / Version | Poles | Qty. | Order No. |
|------------------------|-------|------|------------|
| BHZ 5.00/02/90LH BK/OR | 2 | 150 | 1063260000 |
| BHZ 5.00/03/90LH BK/OR | 3 | 108 | 1063270000 |
| BHZ 5.00/04/90LH BK/OR | 4 | 78 | 1063280000 |

BHF 5.00/180LH BK/OR

Female header with PUSH IN connection



Ordering data

| Type / Version | Poles | Qty. | Order No. |
|-------------------------|-------|------|------------|
| BHF 5.00/02/180LH BK/OR | 2 | 150 | 1988380000 |
| BHF 5.00/03/180LH BK/0R | 3 | 108 | 1989210000 |
| BHF 5.00/04/180LH BK/OR | 4 | 78 | 1989190000 |

3.36 **Weidmüller** ₹2 2977770000

BHZ 5.00/90 BK/BK

Female header with PUSH IN connection



BHZ 5.00/90 BK/BL

Female header with PUSH IN connection



Accessories



Marker for release lever

Ordering data

| Type / Version | Poles | Qty. | Order No. |
|------------------------|-------|------|------------|
| BHZ 5.00/02/90LH BK/BK | 2 | 150 | 1069330000 |
| BHZ 5.00/03/90LH BK/BK | 3 | 108 | 1069340000 |
| BHZ 5.00/04/90LH BK/BK | 4 | 78 | 1069350000 |

Ordering data

| Type / Version | Poles | Qty. | Order No. |
|------------------------|-------|------|------------|
| BHZ 5.00/02/90LH BK/BL | 2 | 150 | 1069360000 |
| BHZ 5.00/03/90LH BK/BL | 3 | 108 | 1069370000 |
| BHZ 5.00/04/90LH BK/BL | 4 | 78 | 1069380000 |

Ordering data

| Type / Version | Poles | Qty. | Order No. |
|-------------------------|-------|------|------------|
| ESG 6.6/11 BHZ 5.00/02 | 2 | 200 | 1082490000 |
| ESG 6.6/15 BHZ 5.00/03 | 3 | 200 | 1082520000 |
| ESG 6.6/20 BHZ 5.00/04 | 4 | 200 | 1082540000 |
| ESG 6.6/11 BHZ 5.00 SDR | 2 | 200 | 1346330000 |
| ESG 6.6/15 BHZ 5.00 SDR | 3 | 200 | 1346320000 |
| ESG 6.6/20 BHZ 5.00 SDR | 4 | 40 | 1221520000 |

BHF 5.00/180LH BK/BK

Female header with PUSH IN connection



BHF 5.00/180LH BK/BL

Female header with PUSH IN connection



Ordering data

| oraoring aata | | | |
|-------------------------|-------|------|------------|
| Type / Version | Poles | Qty. | Order No. |
| BHF 5.00/02/180LH BK/BK | 2 | 150 | 1497740000 |
| BHF 5.00/03/180LH BK/BK | 3 | 108 | 1497670000 |
| BHF 5.00/04/180LH BK/BK | 4 | 78 | 1497500000 |

Ordering data

| Type / Version | Poles | Qty. | Order No. |
|-------------------------|-------|------|------------|
| BHF 5.00/02/180LH BK/BL | 2 | 150 | 1989220000 |
| BHF 5.00/03/180LH BK/BL | 3 | 108 | 1989200000 |
| BHF 5.00/04/180LH BK/BL | 4 | 78 | 1989090000 |

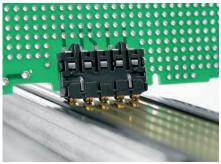


You can find more colour variations in the webshop:

eshop.weidmueller.com/ c/group71481003388752

2977770000 **Weidmüller № \$.37**

SR-SMD



Bus contact block Reflow-compatible, resistant to high temperatures, 5-pole, for rail bus

SR-SMD

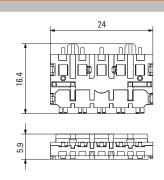


Bus contact for CH20M6

Technical data

| Insulating material | LCP |
|-----------------------------|----------------|
| Flammability rating (UL 94) | VO |
| Rated voltage IEC | 63 V AC |
| Rated current IEC CH20M6 | 2 A (at 70 °C) |
| Rated current IEC CH20M22 | 4 A (at 70 °C) |
| Rated voltage UL | 150 V |
| Rated current UL | 5 A |

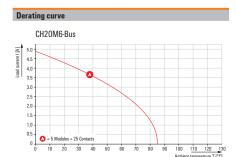
Dimensional drawing



For CH20M6

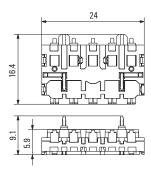
Ordering data

| Type / Version | Qty. | Order No. |
|----------------------------|------|------------|
| SR-SMD 4.50/05/90 AU BK BX | 72 | 1155840000 |
| SR-SMD 4.50/05/90 AU BK RL | 300 | 1155850000 |

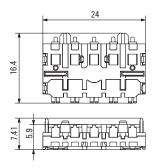




Note: Framework conditions of rating data available on request



With centre solder flange for CH20M12-67



With solder flange for CH20M12-67

"BX" means box packaging, "RL" means tape-on-reel

SR-SMD

SR-SMD

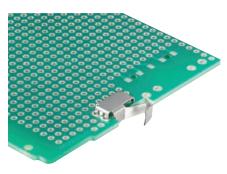
CH20M FE 12-67



Bus contact with centre solder flange for CH20M12-67



Bus contact with solder flange for CH2OM12-67



FE contact for CH20M 12-67

Ordering data

| Type / Version | Qty. | Order No. |
|----------------------------------|------|------------|
| SR-SMD 4.50/05/90LFM AU BK BX | 72 | 1155870000 |
| SR-SMD 4.50/05/90LFM 3.2AU BK RL | 300 | 1155880000 |

Ordering data

| Type / Version | Qty. | Order No. |
|---------------------------------|------|------------|
| SR-SMD 4.50/05/90LF AU BK BX | 72 | 1155890000 |
| SR-SMD 4.50/05/90LF 1.5AU BK RL | 300 | 1155900000 |

Ordering data

| Type / Version | Qty. | Order No. |
|-------------------------|------|------------|
| CH20M FE 12-67 1.5SN RL | 750 | 1189370000 |
| CH20M FE 12-67 3 2SN RI | 750 | 1264240000 |

"BX" means box packaging, "RL" means tape-on-reel

2977770000

"BX" means box packaging, "RL" means tape-on-reel

Weidmüller ₹ \$.39

CH20M BUS-PROFIL TS35x7.5/1000

Support section for bus circuit board



- Support section for TS 35 x 7.5
- Length: 250, 500 or 750 mm

CH20M BUS-PROFIL TS35x15/1000

Support section for bus circuit board



- Support section for TS 35 x 15
- Length: 250, 500 or 750 mm

CH20M BUS 4.50/05 AU/1000

Bus PCB



- Bus circuit board for use on TS 35 x 7.5 and TS 35 x 15
- Length: 250, 500 or 750 mm
- Five conductor paths, gold-plated
- Electrical rating: 63 V AC, 5 A/conductor path

Ordering data

| Туре | Qty. | Order No. |
|-------------------------------|------|------------|
| CH20M BUS-PROFIL TS35x7.5/250 | 10 | 1248150000 |
| CH20M BUS-PR0FIL TS35x7.5/500 | 10 | 1248160000 |
| CH20M BUS-PR0FIL TS35x7.5/750 | 5 | 1248170000 |
| N . I | | |

Length specification /XXX = 250, Other lengths available on request

Ordering data

| Туре | Qty. | Order No. |
|------------------------------|------|------------|
| CH20M BUS-PR0FIL TS35x15/250 | 5 | 1248180000 |
| CH20M BUS-PR0FIL TS35x15/500 | 5 | 1248190000 |
| CH20M BUS-PR0FIL TS35x15/750 | 5 | 1248210000 |
| | | |

Ordering data

| Туре | Qty. | Order No. |
|---------------------------------------------------------------------------------------|------|------------|
| CH20M BUS 4.50/05 AU/250 | 10 | 1248220000 |
| CH20M BUS 4.50/05 AU/500 | 10 | 1248230000 |
| CH20M BUS 4.50/05 AU/750 | 5 | 1248240000 |
| Note: Length specification /XXX = 250, 500 or 750 Other lengths available on request. | mm. | |

CH20M BUS-ADP TS35/1000

Cover plate



- Cover plate for DIN rail bus
- Length: 250, 500 or 750 mm

CH20M BUS-AP LI TS35x7.5 & 15

End plate



- End plate for DIN rail bus
- Fits on TS 35 x 7.5 and TS 35 x 15
- left

CH20M BUS-AP RE TS35x7.5 & 15

End plate



- End plate for DIN rail bus
- Fits on TS 35 x 7.5 and TS 35 x 15
- right

Ordering data

| Oruering uata | | |
|-------------------------------------------------------------------------------------------|------|------------|
| Туре | Qty. | Order No. |
| CH20M BUS-ADP TS35/250 | 10 | 1248250000 |
| CH20M BUS-ADP TS35/500 | 10 | 1248260000 |
| CH20M BUS-ADP TS35/750 | 5 | 1248270000 |
| Note: Length specification /XXX = 250, 500 or 750 mm. Other lengths available on request. | | |

Ordering data

| Qty. | Order No. |
|------|------------|
| 50 | 1193160000 |
| | |
| | |
| | |
| | 1- |

Ordorina data

| Ordering data | | |
|-------------------------------|------|------------|
| Туре | Qty. | Order No. |
| CH20M BUS-AP RE TS35x7.5 & 15 | 50 | 1193170000 |
| | | |
| | | |
| | | |
| | | |

SET CH20M BUS 250MM TS 35X15

Set



 SET consists of one each of CH20M BUS 4.50/05 AU/250 CH20M BUS-ADP TS 35/250 CH20M BUS-AP LI TS 35X7.5 & 15 CH20M BUS-AP RE TS 35X7.5 & 15 CH20M BUS-PROFIL TS 35X15/250

Ordering data

| Туре | Qty. | Order No. |
|------------------------------|------|------------|
| SET CH20M BUS 250MM TS 35X15 | 1 | 1335150000 |
| | | |
| | | |
| | | |

SET CH20M BUS 250MM TS 35X7.5

Set



• SET consists of one each of CH20M BUS 4.50/05 AU/250 CH20M BUS-ADP TS 35/250 CH20M BUS-AP LI TS 35X7.5 & 15 CH20M BUS-AP RE TS 35X7.5 & 15 CH20M BUS-PR0FIL TS 35X7.5/250

Ordering data

| Туре | Qty. | Order No. |
|-------------------------------|------|------------|
| SET CH20M BUS 250MM TS 35X7.5 | 1 | 1335140000 |
| | | |
| | | |

TS 35x7.5 / TS 35x15

Mounting rail



- Mounting rail with slot
- Steel, galvanised and passivated

Ordering data

| 3 | | |
|-----------------------|------|------------|
| Туре | Qty. | Order No. |
| TS 35X7.5/LL 1M/ST/ZN | 10 | 0514510000 |
| TS 35X15/LL 1M/ST/ZN | 10 | 0236510000 |
| | | |

2977770000 **Weidmüller № \$...** \$.41

OMNIMATE® HousingMICROBOX / TERMINALBOX

The MICROBOX and TERMINALBOX series of small housings are the perfect solution for miniature sliced applications or for the protective circuitry used in connection with terminal blocks.

Up to 6 wires can be connected using the integrated (but high-performance) clamping-yoke screw or tension-clamp wire connection mechanisms.

Because of its closed construction, each individual MICROBOX is finger-safe. The TERMINALBOX can be aligned side-by-side without end or closed off using an end plate.

Pluggable cross-connectors from our terminal block line allow simple, safe power distribution of up to $32\ A$.

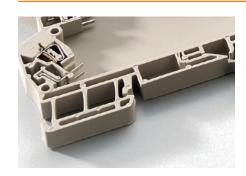
Secure contacts

The TERMINALBOX MCZ 1.5 can optionally be equipped with a contact element that automatically establishes contact with the rail when the housing is snapped on.



Compact integration

With a width of only 6.00 mm, the TERMINALBOX MCZ 1.5 provides enough space for a miniature circuit board and 5 tension clamp connection for wires up to 1.5 mm².



Seamlessly connected

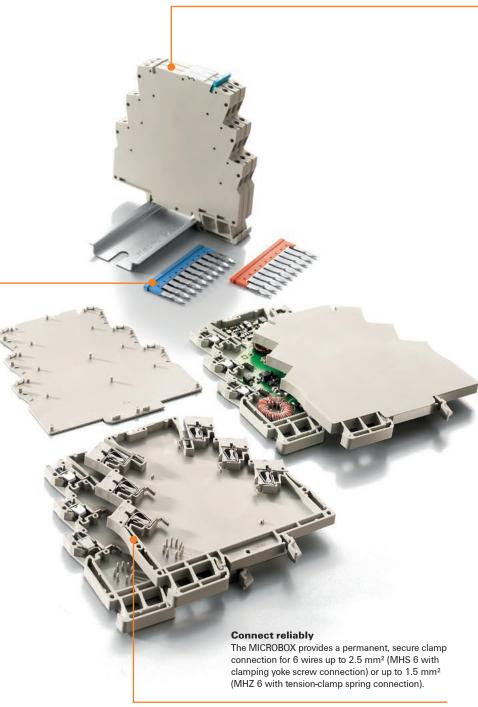
High-power cross-connectors allow power (up to 32 A) to be easily and quickly distributed on up to three levels.



OMNIMATE® Housings Electronic housings

Easy to operate

The transparent hinged covers make adjustments simple (for example, using DIP switches). Labelling is also possible.





MICROBOX MHS 6

Miniature sliced-section housing in 6.1 mm width A total of 6 clamping yoke screw connections (for 2.5 mm² wires) can be manually or selectively wave soldered.



MICROBOX MHZ 6

Miniature sliced-section housing in 6.1 mm width A total of 6 tension clamp connection (for 1.5 mm² wires) can be manually or selectively wave soldered.



TERMINALBOX MCZ 1.5

Terminal-block-format open housings with tension clamp connection for wires up to 1.5 mm². A total of 5 connection elements can be manually or selectively wave soldered.



Weidmüller ₹ S.43

MICROBOX 6

1 miniature housing 6 - consists of:

Screw connection

- 1 terminal carrier for TS 35
- 2 horizontal busbars
- 4 vertical busbars
- 6 clamping yoke units
- 1 housing cover

Tension clamp connection

- 1 terminal carrier for TS 35
- 2 busbars, long version
- 4 current bars, short version
- 1 housing cover

Technical data

General data Dimensions W x L x H (w. TS 35 x 7.5) mm No. of connections total Access for calibration Shielding Contact to the mounting rail Number of PCB per module PCB-connection Thickness of PCB Ingress protection class Tightening torque range Stripping length Pollution severity Material Flammability class UL 94 Colour of insulating material

| Clampable conductors (H05V/H07V) | |
|----------------------------------|-----------------|
| Solid | mm ² |
| Flexible | mm ² |
| Max. conductor AWG | |
| Plug gauge to 60947-1 | |

Note

Ordering data

| murviuuai pai ts | |
|---------------------------------|---------------------------------|
| For mounting rail TS 35 | with connection element |
| | for connection element |
| for mounting rail | contact, for connection element |
| For mounting rail TS 32 | with connection element |
| Frame for TS 35 | |
| Frame for TS 35 | for connection element |
| Frame for TS 32 | |
| Top part | open |
| | closed |
| Current bars (w. tension clamp) | short version |
| | long version |
| Current bars | horizontal |
| | vertical |
| Clamp. yoke unit | clamp. yoke + screw |
| Screw | |
| Clamping yoke | |
| Mounting rail contact | |
| · · | |
| Housing cover | |
| Note | |
| | |

| Accessories | | |
|------------------|--|--|
| End plate | | |
| Cross-connection | | |
| | | |
| Note | | |
| | | |

MHS₆

Screw connection



Tension clamp connection



| 6.1 / 88 / 97.8 | |
|-------------------------------|--------------------------|
| 6 | |
| | |
| not available | |
| | |
| 1 | |
| soldered connection, directly | |
| 0.5 1.0 mm | |
| IP 20 | |
| 0.40.6 Nm | |
| 7 mm | |
| 2 | |
| PA | |
| VO | |
| grey | |
| Screw connection | Tension clamp connection |

| Screw connection | Tension clamp connection |
|------------------|--------------------------|
| 0.22.5 | |
| 0.22.5 | |
| AWG 28AWG 14 | |

| Туре | Qty. | Order No. |
|-------|------|------------|
| MHS 6 | 10 | 1925740000 |
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| Туре | Qty. | Order No. |
|-------------------------------------------|------|------------|
| | | |
| ZQV 4N/2 | 60 | 1527930000 |
| ZQV 4N/2 BL | 60 | 1528040000 |
| ZQV 4N/2 RD | 60 | 2460450000 |
| | | |
| | | |
| Full housing available as set on request. | | |
| | | |

| 6.1 / 92 / 97,8 | |
|-------------------------------|--------------------------|
| 6 | |
| | |
| not available | |
| | |
| 1 | |
| soldered connection, directly | |
| 0.5 1.0 mm | |
| IP 20 | |
| 0.40.6 Nm | |
| 6 mm | |
| 2 | |
| PA | |
| VO | |
| grey | |
| Screw connection | Tension clamp connection |

0.2...1.5 0.2...1.5 AWG 26...AWG 16

| Type | uty. | Urder No. |
|-------|------|------------|
| MHZ 6 | 10 | 1925760000 |
| | | |
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| Туре | Qty. | Order No. |
|-------------------------------------------|------|------------|
| ZQV 4N/2 | 60 | 1527930000 |
| ZQV 4N/2 BL | 60 | 1527530000 |
| ZQV 4N/2 RD | 60 | 2460450000 |
| | | |
| | | |
| Full housing available as set on request. | | |

MCZ 1.5

The transparent hinged top plate is used for labelling and calibration. Maximum equipment level requires 2 short and 3 long current bars. The space available and the number of connections can be doubled using the frame. CAD Models $\,$ that ease the production of layouts and equipping of boards (details of blocked area, max. component heights, pads, etc.), are available on request. The MCZ housing kit consists of:

- 1 terminal holder
- 1 top plate
- 1-5 current bars with tension clamp
- 1 end plate (if required)

Technical data

| General data | |
|---------------------------------------|-------|
| Dimensions W x L x H (w. TS 35 x 7.5) | mm |
| No. of connections | total |
| Access for calibration | |
| Shielding | |
| Contact to the mounting rail | |
| Number of PCB per module | |
| PCB-connection | |
| Thickness of PCB | |
| Ingress protection class | |
| Tightening torque range | |
| Stripping length | |
| Pollution severity | |
| Material | |
| Flammability class UL 94 | |
| Colour of insulating material | |
| Clampable conductors (H05V/H07V) | |
| 0.11 | 2 |

| Clampable conductors (H05V/H07V) | |
|----------------------------------|-----------------|
| Solid | mm ² |
| Flexible | mm ² |
| Max. conductor AWG | |

Plug gauge to 60947-1

Note

Ordering data Individual parts

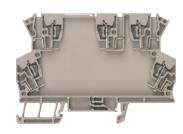
| with connection element |
|---------------------------------|
| for connection element |
| contact, for connection element |
| with connection element |
| |
| for connection element |
| |
| open |
| closed |
| short version |
| long version |
| horizontal |
| vertical |
| clamp. yoke + screw |
| |
| |
| |
| |
| |
| |
| |

Note

| Accessories | |
|------------------|--|
| End plate | |
| | |
| Cross-connection | |
| | |
| | |
| | |
| | |

MCZ 1.5

Tension clamp connection



| 6 / 91.3 / 63.5 |
|-------------------------------|
| 5 |
| Movable top plate |
| not available |
| Earthing-contact |
| 1 |
| soldered connection, directly |
| 1.0 (+ 0.2) mm |
| IP 20 |
| |
| 6 mm |
| 3 |
| PA |
| VO |
| beige/black |
| |

| Screw connection | Tension clamp connection |
|------------------|--------------------------|
| | 0.21.5 |
| | 0.21.5 |
| | AWG 26AWG 16 |
| | |

| Туре | Qty. | Order No. |
|--------------------|------|------------|
| MCZ 5 | 10 | 8857560000 |
| GH MCZ1.5 | 1 | 2224220000 |
| GH MCZUE1.5/UE | 1 | 2312290000 |
| | | |
| RA MCZ1.5 | 25 | 2224240000 |
| | | |
| | | |
| KOPL MCZ1.5 | 18 | 2224040000 |
| | | |
| SMSE KU FE MCZ 1.5 | 1 | 2224390000 |
| SMSE LN FE MCZ 1.5 | 1 | 2224380000 |
| | | |
| | | |
| | | |
| | | |
| | | |
| SMSE FE MCZ 1.5/PE | 100 | 1003280000 |
| | | |
| | | |
| | | |
| | | |

| Туре | Qty. | Order No. |
|-------------------------------------------|------|------------|
| AP MCZ1.5 | 50 | 8389030000 |
| ZQV 4N/2 | 60 | 1527930000 |
| ZQV 4N/2 BL | 60 | 1528040000 |
| ZQV 4N/2 RD | 60 | 2460450000 |
| | | |
| | | |
| Full housing available as set on request. | | |

Weidmüller ₹ S.45 2977770000

OMNIMATE® Housing RS

Profile housing



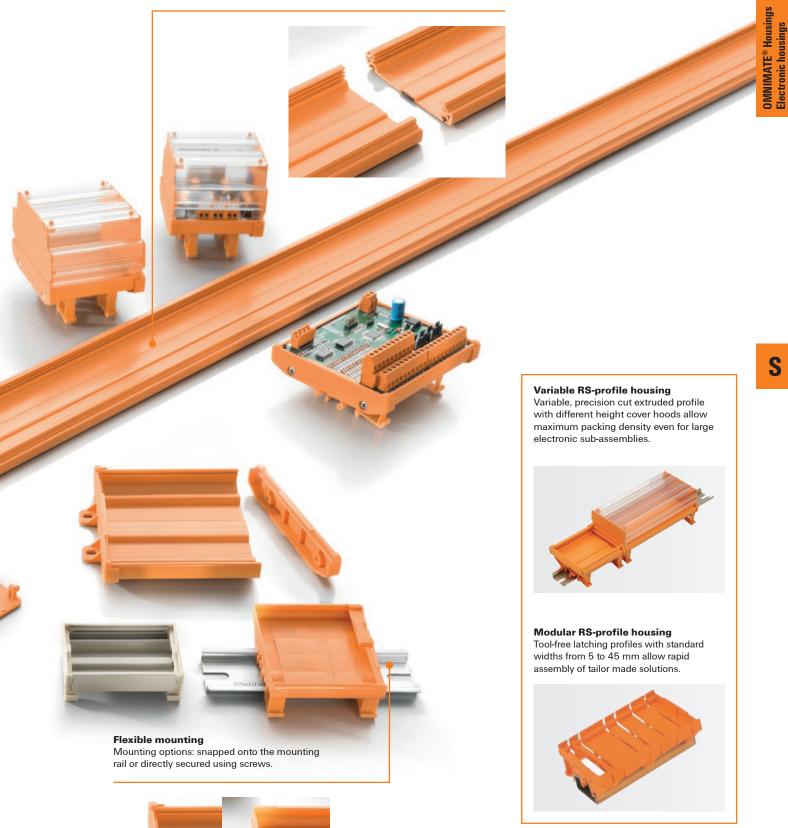
Flexible - more flexible - profile form

Build housing in profile form – the flexible modular system of coloured and transparent PVC profiles and carrier modules the perfect combination of any mounting utilising standard pitches and precisely cut to length, this creates the perfect balance between flexibility and efficiency: The modular approach is ideal for assemblies with high space requirements and is particularly suited for small quantities or variable widths.



Flexible lengths

Cut, or joined together in a row: extruded profiles can be easily adjusted to the space requirements of every application.



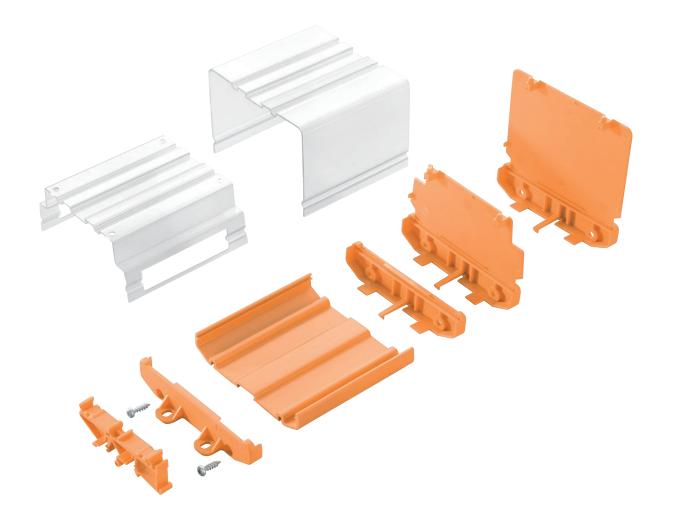
Weidmüller ₹ S.47 2977770000

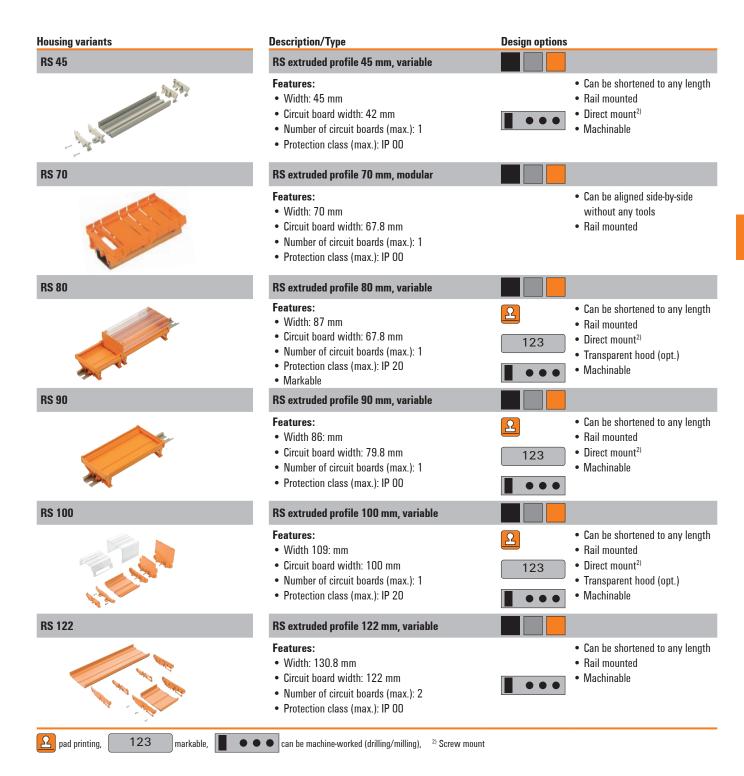
OMNIMATE® Housing RS Profile housing

RS profile housings can be snapped on to DIN rails or mounted directly. They are available in six widths. The extruded profiles can be cut to length or joined together in modules and are ideal for low volume, special assemblies or test set-ups. Fitted transparent hoods are used to protect the components.

| Width | Туре | Construction/Width of circuit board | Catalogue pages |
|----------|--------|-------------------------------------|-----------------|
| 45.0 mm | RS 45 | Variable / 42.0 mm | N.46 |
| 70.0 mm | RS 70 | Modular / 67.8 mm | N.47 |
| 87.0 mm | RS 80 | Variable / 67.8 mm | N.48 |
| 86.0 mm | RS 90 | Variable / 79.8 mm | N.49 |
| 109.0 mm | RS 100 | Variable / 100.0 mm | N.50 |
| 130.8 mm | RS 122 | Variable / 122.0 mm | N.51 |

| Colour scale ¹⁾ | |
|----------------------------------|--|
| Similar to RAL 9011 | |
| Similar to RAL 7024 | |
| Similar to RAL 2000 | |
| | |
| Note 1) Other colours on request | |





2977770000 **Weidmüller** ₹ **s.49**

RS 45

Depending on the end plate design, the profiles can be mounted directly or on rail

- 1. The rail-mountable assembly requires:
- 2 end plates for DIN-rail mounting
- 1 extruded profile
- 4 screws
- 2. Direct-mountable assembly requires:
- 2 end plates for direct mounting
- 1 extruded profile
- 4 screws

Description

B3 heights are available for cover profile and end plates:

TS-mounting:

TS 32 = 45 mm, TS 35x7.5 = 40.5 mm

Direct mounting: 24 mm

Dimensions of PCB

Thickness: 1.6 (±0.2) mm, width:

42 (+0.5) mm

Size of RS segment = PCB length - 4.5 mm

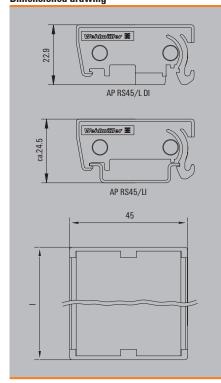
Size of ADP segment = PCB length - 1 mm

Example:

PCB length 160 mm,

RS = 155.5 mm, ADP = 159 mm

Dimensioned drawing



Technical data General data

Number of PCB per module

Thickness of PCB

Material

Flammability class UL 94

Colour of insulating material

Note

Ordering data

| Extruded profile | |
|-----------------------------|-------------------|
| 2000 mm | orange |
| 2000 mm | grey |
| Intermediate piece | |
| 5 mm | |
| 15 mm | |
| 25 mm | |
| 30 mm | |
| 45 mm | |
| End plate with locking foot | |
| Without cover | arev left version |

thout cover grey, left version
grey, right version
orange, left version
orange, right version
black, left version
black, right version
green, left version

green, right version
With marking facilities left version
rightversion

Locking foot

orange
grey
Central Intermediate foot
End plate for direct mounting

Without cover grey, left version
grey, right version
orange
grey
grey

orange grey

For high cover profile orange grey

End plate without locking foot

Without cover orange grey

For medium-high cover profile orange grey

For high cover profile orange grey

For grey orange grey

Accessories Screws

For medium-high cover profile

Note

RS 45



| 1 | | |
|----------------|--|--|
| 1.6 (± 0.2) mm | | |
| PVC/PA | | |
| V2 | | |
| beige | | |
| | | |

| Туре | | Qty. | Order No. |
|------------------|----|------|------------|
| RF RS 45 OR 2000 | V0 | 1 | 4340430000 |
| PF RS 45 GR 2000 | V0 | 1 | 4027750000 |
| | | | |
| | | | |
| | | | |
| AP 45/LI | V2 | 20 | 8143910000 |
| AP 45/RE | V2 | 20 | 8143900000 |
| AP 45/LI OR | V2 | 20 | 1011590000 |
| AP 45/RE OR | V2 | 20 | 1011600000 |
| AP 45/LI BK | V2 | 20 | 2633690000 |
| AP 45/RE BK | V2 | 20 | 2633700000 |
| AP 45/LI GN | V2 | 20 | 2549690000 |
| AP 45/RE GN | V2 | 20 | 2549680000 |
| | | | |
| | | | |
| | | | |
| | | | |
| AP 45/LI DI | V2 | 20 | 8140870000 |
| AP 45/RE DI | V2 | 20 | 8140860000 |
| | | | |
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| | | | |
| | | | |
| LKSC M2,9x13VZ | | 100 | 4011200000 |
| | | | |
| | | | |
| | | | |

RS 70

Chassis Form:

Rail-mounted version

- 1 clip-on foot left
- 1 clip-on foot right
- 1 or more intermediate pieces
- 1 clip-on foot centre if required





Description

Height: TS 32 = 33.5 mm, TS 35x7.5 = 29 mm

Dimensions of PCB: Thickness: 1.6 (± 0.2) mm Length: 67.8 (- 0.2) mm Width of intermediate piece = PCB width -2x9 mm (snap-on feet)

Example:

PCB width = 68 mm Width of intermediate piece = 50 mm Intermediate piece 2x ZW 25 RS or ZW 45 RS + ZW 5 RS

Technical data

General data

Number of PCB per module Thickness of PCB Material Flammability class UL 94 Colour of insulating material

Note

Ordering data Extruded profile

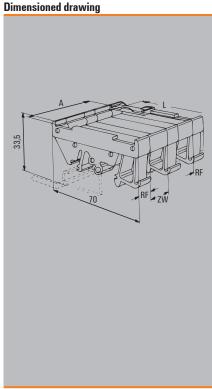
Screws Note

| 2000 mm | orange |
|-----------------------------------------|-----------------------|
| 2000 mm | grey |
| Intermediate piece | |
| 5 mm | |
| 15 mm | |
| 25 mm | |
| 30 mm | |
| 45 mm | |
| End plate with locking foot | |
| Without cover | grey, left version |
| | grey, right version |
| | black, left version |
| | black, right version |
| | beige, left version |
| | orange, left version |
| | orange, right version |
| | orange, right version |
| With marking facilities | left version |
| | orange, right version |
| | orange, right version |
| | orange, right version |
| Locking foot | |
| | orange |
| | grey |
| Intermediate part inluding clip-in foot | orange |
| | orange |
| End plate for direct mounting | |
| Without cover | grey, left version |
| | grey, right version |
| | orange |
| | grey |
| For medium-high cover profile | orange |
| | grey |
| For high cover profile | orange |
| | grey |
| End plate without locking foot | |
| Without cover | orange |
| | grey |
| For medium-high cover profile | orange |
| | grey |
| For high cover profile | orange |
| | grey |
| Accessories | |
| Cover profile | Medium-high |

high

| 1 |
|----------------|
| 1.6 (± 0.2) mm |
| PA |
| V2 |
| orange |
| |

| Туре | Qty. | Order No. |
|------------------------------|------|-----------|
| | | |
| ZW 5 RS OR | 20 | 011976000 |
| ZW 15 RS OR | 20 | 011986000 |
| ZW 25 RS OR | 20 | 012616000 |
| ZW 30 RS 0R | 20 | 011996000 |
| ZW 45 RS 0R | 20 | 012006000 |
| 244 43 110 011 | 20 | 01200000 |
| | | |
| RF RS 70 LI/A2/0.SG BK | 20 | 116289000 |
| RF RS 70 RE/A5/0.SG BK | 20 | 116290000 |
| RF RS 70 LI/A2/0.SG DB | 20 | 179569000 |
| RF RS 70 LI/A2/0.SG OR 1665 | 20 | 011966000 |
| RF RS 70 RE/A5/0.SG | 20 | 845304000 |
| RF RS 70 RE/A5/0.SG 1665 | 20 | 206430000 |
| | | |
| RF RS 70 RE/A3/M.BEZ 1665 | 20 | 206269000 |
| RF RS 70 RE/A3/M.BEZ OR | 20 | 011956000 |
| RF RS 70 RE/A4/0.BEZ OR 1665 | 20 | 012626000 |
| | | |
| | | |
| RF RS 70 MI/A6 | 20 | 021376000 |
| RF RS 70 MI/A6 1665 | 20 | 206281000 |
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RS 80

Housing installation (plus 4 screws):

Rail mounted variant (rail mounted assembly)

- 2 end plates for rail mounted assembly
- 2 or more locking feet
- 1 extruded profile
- 1 cover profile (optional)

Direct mounting variant

- 2 end plates, direct mounting
- 1 extruded profile
- 1 cover profile (optional)

Technical data

General data

Number of PCB per module

Thickness of PCB

Material

Flammability class UL 94

Colour of insulating material

Note

1.6 (± 0.2) mm PVC/PA VO orange

RS 80

Description

3 heights are available for cover profile and end plates: Rail mounting without cover: TS 32 = 45 mm, TS 35x7.5 = 40.5 mm

Rail mounting with low cover:

TS 32 = 72 mm, TS 35x7.5 = 67.5 mm

Rail mounting with high cover:

TS 32 = 91 mm, TS 35x7.5 = 86.5 mm

Direct mounting without/low/high cover:

17 / 44 / 63 mm

Dimensions of PCB

Thickness: 1.6 (±0.2) mm, width:

67.8 (+0.2) mm

Size of RS segment = PCB length - 4.5 mm

Size of ADP segment = PCB length - 2 mm

Example:

PCB length 160 mm

RS = 155.5 mm, ADP = 158 mm

Ordering data

| Extruded profile | |
|------------------|--------|
| 2000 mm | orange |
| 2000 mm | grey |
| 2000 mm | green |
| | |

In 5

25 30

Lo

Note

| Ena place for alrest mounting | |
|-------------------------------|---------------------|
| Without cover | grey, left version |
| | grey, right version |
| | orange |
| | grey |
| For medium-high cover profile | orange |
| | grey |
| For blok community | |

| For high cover profile | orange |
|--------------------------------|--------|
| | grey |
| End plate without locking foot | |
| Without cover | orange |
| | grey |
| | green |
| | black |
| For medium-high cover profile | orange |
| | grey |
| For high cover profile | orange |
| | grey |

| 1 | | | |
|---|---------------|---------|-------------|
| | Cover profile | 1000 mm | Medium-high |
| | | 1000 mm | high |
| | Screws | | |
| | | | |
| | | | |

| xtruded profile | |
|-------------------------------|---------------------|
| 000 mm | orange |
| 2000 mm | grey |
| 2000 mm | green |
| ntermediate piece | |
| mm | |
| 5 mm | |
| 5 mm | |
| 0 mm | |
| 5 mm | |
| nd plate with locking foot | |
| Vithout cover | grey, left version |
| | grey, right version |
| Vith marking facilities | left version |
| | right version |
| ocking foot | |
| | orange |
| | grey |
| | black |
| entral | intermediate foot |
| nd plate for direct mounting | |
| Vithout cover | grey, left version |
| | grey, right version |
| | orange |
| | grey |
| or medium-high cover profile | orange |
| | grey |
| or high cover profile | orange |
| | grey |
| nd plate without locking foot | |
| Vithout cover | orange |
| | grey |
| | green |
| | black |
| or medium-high cover profile | orange |
| | grey |
| or high cover profile | orange |
| | grey |
| CI 1000 | 84 12 12 1 |
| over profile 1000 mm | Medium-high |
| 1000 mm | high |
| Gcrews | |
| | |
| | |
| | |
| | |
| | |

| Type PF RS 80 OR 2000MM | VO | Qty. 1 | Order No. 415744000 |
|---------------------------|----------|------------------|------------------------|
| PF RS 80 GR 2000MM | VO | 1 | 418313000 |
| PF RS 80 GN 2000MM | VO | 1 | 139673000 |
| FF N3 60 div 2000iviivi | VU | ' | 1330/3000 |
| | | | |
| | | | |
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| | | | |
| | | | |
| AP RF80 LI | V2 | 20 | 815621000 |
| AP RF80 RE | V2 | 20 | 815620000 |
| | | | |
| | | | |
| | | | |
| RF 180 OR 1665 | V2 | 20 | 132446000 |
| RF 180 GR | V2 | 20 | 177340000 |
| RF 180 BK | V2 | 20 | 105753000 |
| | | | |
| | | | |
| | | | |
| AP 80 D | V2 | 20 | 132436000 |
| AI OOD | ٧Z | 20 | 132430000 |
| AP 85 D | V2 | 20 | 141106000 |
| | | | |
| AP 86 D | V2 | 20 | 141116000 |
| | | | |
| | | | |
| AP 80 | V2 | 20 | 132426000 |
| AP 80 | V2 | 20 | 832030000 |
| AP 80 GN | V2 | 20 | 137866000 |
| | | | |
| AP 85 | V2 | 20 | 141086000 |
| 4 B 00 | | | 44400000 |
| AP 86 | | 20 | 141096000 |
| | | | |
| ADP 5 | V2 | 1 | 416715000 |
| ADP 6 | V2 V2 | 1 | 416716000 |
| LKSC M2,9x13VZ | VZ. | 100 | 401120000 |
| EKOO WIZ,OX 10 VZ | | 100 | 401120000 |
| | | | |
| | | | |
| | | | |
| | | | |
| Other lengths on request. | | | |
| | | | |

Dimensioned drawing

| 87 | 43 91 |
|-------|-------|
| © 117 | 63 |
| 72 | 60,5 |
| 44 | |

Order No.

RS 90

Housing installation (plus 4 screws):

- 2 end plates
- 2 or more locking feet
- 1 extruded profile





Description

Dimensions of PCB

Thickness: 1.6 (± 0.2) mm, width: 79.8 (± 0.2) mm Size of RS segment = PCB length - 4.5 mm

Example:

PCB length 160 mm

RS = 155.5 mm

Technical data

General data

Number of PCB per module

Thickness of PCB Material

Flammability class UL 94

Colour of insulating material

Note

| 1 |
|-----------------------|
| 1.6 (± 0.2) mm PVC/PA |
| PVC/PA |
| VO |
| orange |
| |

Ordering data Extruded profile

| 2000 mm | orange |
|-----------------------------|--------------------|
| 2000 mm | grey |
| 2000 mm | green |
| Intermediate piece | |
| 5 mm | |
| 15 mm | |
| 25 mm | |
| 30 mm | |
| 45 mm | |
| End plate with locking foot | |
| Without cover | grey, left version |
| | grov right version |

| Landing foot | |
|-------------------------|---------------------|
| | right version |
| With marking facilities | left version |
| | grey, right version |
| Without cover | grey, left version |

| Locking | foot |
|---------|------|
|---------|------|

| orang | | | |
|-----------------|--|------|-------|
| gre | | | |
| blac | | | |
| intermediate fo | | | ntral |
| | | | |

| and place for alloot incuming | |
|-------------------------------|---------------------|
| Without cover | grey, left version |
| | grey, right version |
| | orange |
| | grey |
| For medium-high cover profile | orange |
| | grey |
| For high cover profile | orange |
| | |

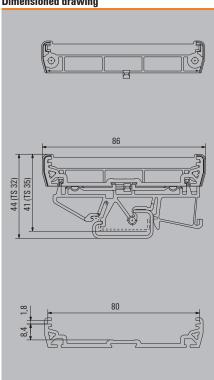
| | grey |
|--------------------------------|--------|
| End plate without locking foot | |
| Without cover | orange |
| | grey |
| | green |
| | black |
| For medium-high cover profile | orange |
| | grey |
| For high cover profile | orange |
| | grey |
| | |

| | grey |
|---------------|---------------------|
| Cover profile | Medium-high high |
| Screws | J |

| - 1 | Note | |
|-----|-------|--|
| - 1 | 12010 | |

| PF RS 90 OR 2000MM | VO | 1 | 4053240000 |
|---------------------------|----------|-----|------------|
| PF RS 90 GR 2000MM | VO | 1 | 4051810000 |
| PF RS 90 GN 2000MM | VO | 1 | 1505730000 |
| | | | |
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| | | | |
| RF 180 | V2 | 20 | 1324460000 |
| RF 180 GR | V2 V2 | 20 | 1773400000 |
| F 180 BK | | 20 | |
| IF I BU BK | V2 | 20 | 1057530000 |
| | | | |
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| | | | |
| | | | |
| AP 90 OR | V2 | 20 | 1961880000 |
| AP 90 GR | V2 | 20 | 1961890000 |
| AP 90 GN 2043 | V2 | 20 | 1504790000 |
| AP 90 BK 2029 | V2 | 20 | 1168820000 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| KSC M2,9x13VZ | | 100 | 4011200000 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Other lengths on request. | | | |
| riner rengins on request. | | | |
| | | | |

Dimensioned drawing



Weidmüller ₹ S.53

RS 100

Housing installation (plus 4 screws):

Rail mounted variant (rail mounted assembly)

- 2 end plates for rail mounted assembly
- 2 or more locking feet
- 1 extruded profile
- 1 cover profile (optional)

Direct mounting variant

- 2 end plates, direct mounting
- 1 extruded profile
- 1 cover profile (optional)

Description

3 heights are available for cover profile and end plates: Rail mounting without cover:

TS 32 = 45 mm, TS 35x7.5 = 40.5 mm

Rail mounting with low cover:

TS 32 = 89 mm, TS 35x7.5 = 84.5 mm

Rail mounting with high cover:

TS 32 = 121 mm, TS 35x7.5 = 116.5 mm

Direct mounting without/low/high cover:

24 / 69 / 99 mm

Dimensions of PCB

Thickness: 1.6 (±0.2) mm, width:

100 (+0.5) mm

Size of RS segment = PCB length - 4.5 mm

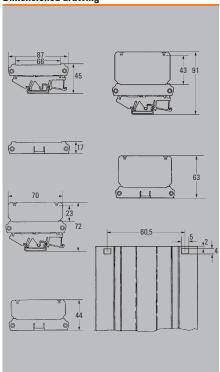
Size of ADP segment = PCB length - 1 mm

Example:

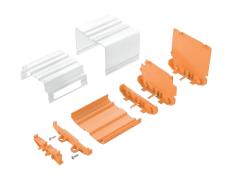
PCB length 160 mm

RS = 155.5 mm, ADP = 159 mm

Dimensioned drawing



RS 100



Technical data

General data

Number of PCB per module

Thickness of PCB

Flammability class UL 94

Colour of insulating material

Note

Ordering data

| Extruded profile | |
|---------------------|--------|
| 2000 mm | orange |
| 2000 mm | grey |
| 2000 mm | green |
| 2000 mm | black |
| Internalists of the | |

Intern

5 mm 15 mm

25 mm

30 mm

45 mm

End plate with locking foot Without cover

grey, left version grey, right version With marking facilities left version right version

Locking foot

orange grey black Central intermediate foot

End plate for direct mounting Without cover grey black orange For medium-high cover profile orange grey For high cover profile orange

black

End plate without locking foot

Without cover orange black green For medium-high cover profile orange black For high cover profile orange black

Cover profile 2000 mm Medium-high 2000 mm high Screws

Note

| 1 | |
|----------------------------------|--|
| 1,6 (± 0.2) mm | |
| PVC/PA | |
| VO | |
| orange / grey (Black on request) | |

| Туре | | Qty. | Order No. |
|----------------------------|----------|----------|--------------------------|
| PF RS 100 OR 2000MM A.1 | VO | 1 | 4144870000 |
| PF RS 100 GR 2000MM A.1 | VO | 1 | 4010870000 |
| PF RS 100 GN 2000MM | VO | 1 | 4347570000 |
| PF RS 100 BK 2000MM | VO | 1 | 4352940000 |
| | | | |
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| | | | |
| RF 180 | V2 | 20 | 1324460000 |
| RF 180 GR | V2 | 20 | 1773400000 |
| RF 180 BK | V2 | 20 | 1057530000 |
| | _ | | |
| 4D 400 D 0D | 1/0 | 00 | 004770000 |
| AP 100 D GR | V2 | 20 | 8817790000 |
| AP 100 D BK | V2 | 20 | 1189870000 |
| AP 100 D OR | V2 | 20 | 1185160000 1185360000 |
| AP 110 D OR AP 110 D GY | V2 V2 | 10 10 | 1188660000 |
| AP 111 D OR | V2 V2 | 10 | 1185560000 |
| AP 111 D BK | V2 V2 | 10 | 1189880000 |
| AF III D DK | ٧Z | 10 | 1103000000 |
| AP 100 OR 1665 | V2 | 20 | 1185060000 |
| AP 100 BK | V2 | 20 | 1057540000 |
| AP 100 GN | V2 | 20 | 1028120000 |
| AP 110 OR | V2 | 10 | 1185260000 |
| AP 110 BK | V2 | 10 | 1189890000 |
| AP 111 OR | V2 | 10 | 1185460000 |
| AP 111 BK | V2 | 10 | 1189900000 |
| | | | |
| ADP 10 | V2 | 1 | 4169320000 |
| ADP 11 | V2 | 1 | 4169330000 |
| PTSC KB40X14 | | 100 | 4019420000 |
| | | | |
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| | | | |
| | | | |
| | | | |
| Other lengths on request. | | | |

Order No.

20

20

20

1155940000

1020640000

1020650000

1020690000

RS 122

Housing construction (plus 4 screws): available as a rail mounting version (TS mounting)

- 2 end plates for rail mounted assembly with locking foot
- 2 or more locking feet
- additional intermediate foot
- 1 Extruded profile

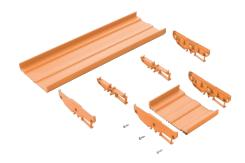
RS 122

1.6 (± 0.2) mm

PVC/PA

orange

VO



Description

Takes PCB in 2 positions

Dimensions of the PCB Thickness: 1.6 (±0.2) mm, width: +0.5 mm i.e. length RS section = PCB length - 5 mmExample:

PCB length 160 mm,

RS section = 160 mm - 5 mm = 155 mm

Technical data

General data

Number of PCB per module

Thickness of PCB

Material

Flammability class UL 94

Colour of insulating material

Note

Ordering data

| Extruded profile | |
|------------------|--------|
| 2000 mm | orange |
| 2000 mm | grey |
| 1000 mm | grey |
| | |

| Intermediate piece | |
|-----------------------------|--|
| 5 mm | |
| 15 mm | |
| 25 mm | |
| 30 mm | |
| 45 mm | |
| End plate with locking foot | |

| Without cover | grey, left version |
|-------------------------|-----------------------|
| | grey, right version |
| | orange, left version |
| | orange, right version |
| With marking facilities | left version |

Locking foot

Central End plate for di Without cover

For medium-high For high cover pro

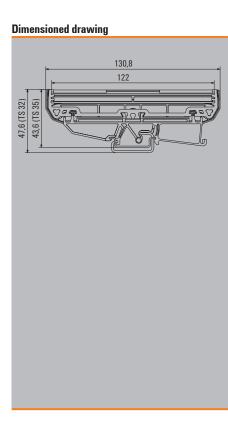
End plate with Without cover For medium-high For high cover pro

Accessories Cover profile Screws

Note

Туре PF RS 122 OR 2000MM

| | grey | |
|------------------|-----------------------|---------------------------|
| | | |
| iece | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| locking foot | | |
| | grey, left version | |
| | grey, right version | |
| | orange, left version | AP RF 122 LI OR |
| | orange, right version | AP RF 122 RE OR |
| icilities | left version | 111 122112 011 |
| iomuoa | right version | |
| | rigitt version | |
| | | DE 100 OD |
| | orange | RF 108 OR |
| | grey | |
| | intermediate foot | |
| irect mounting | | |
| | grey, left version | |
| | grey, right version | |
| | orange | |
| | grey | |
| n cover profile | orange | |
| ' | grey | |
| rofile | orange | |
| | grey | |
| out locking foot | giey | |
| out locking loot | arov | |
| a aguar profila | grey | |
| n cover profile | orange | |
| C) | grey | |
| rofile | orange | |
| | grey | |
| | | |
| | Medium-high | |
| | high | |
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| | | |
| | | |
| | | |
| | | Oshan lamasha an man |
| | | Other lengths on request. |



MTA

Snap-on foot for terminal rail



MOFU

Mounting foot

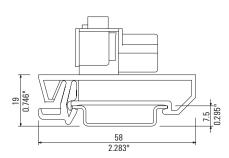




WS 10/5

WS 12/5

MultiCard marking



- WS 10/5 = 10 mm long x 5 mm wide
- WS 12/5 = 12 mm long x 5 mm wide
- Delivered as MultiCard 5 mats with 144 markers

The MTA 45 mounting adapter enables many different modules to be securely attached to a terminal rail. The adapter, made of fibreglass-reinforced polyamide, ensures high stability and secure fixity to the terminal rail. It is assembled by simply clipping on, and disassembled by pushing up and tilting the module. No tools are required for this.

Ordering data

| Snap-on foot for TS 35 | | Black |
|------------------------|------|------------|
| Туре | Qty. | Order No. |
| MTA 30 BK | 45 | 1168970000 |
| MTA 45 BK | 30 | 1962250000 |

Ordering data

| Colour | | Black |
|--------------------|------|------------|
| Туре | Qty. | Order No. |
| Mounting foot Mofu | 20 | 0646210000 |

Ordering data

| Туре | Length mm | Order No. |
|---------|-----------|------------|
| WS 10/5 | 10 | 1635000000 |
| WS 12/5 | 12 | 1609860000 |
| | | |

SDI

VDE-insulated slotted screwdriver

SD

Slotted screwdriver with round blade

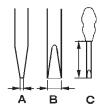
SDK PH/PZ

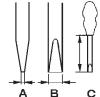
Crosshead screwdriver













VDE-insulated slotted screwdriver, SDI

- SDI DIN 7437, ISO 2380/2
- Drive output acc. to DIN EN ISO/IEC 60900 and DIN ISO 2380



Slotted screwdriver with round blade, SD

- SD DIN 5265, DIN ISO 2380
- Drive output acc. to DIN 5264, DIN ISO 2380/1
- ChromTop tip



Crosshead screwdriver PH (Philips)

- SDK PH DIN 5262, DIN ISO 8764-PH
- Drive output acc. to DIN ISO 8764-PH
- ChromTop tip





Crosshead screwdriver PZ (Pozidrive)

- SDK PZ DIN 5262, DIN ISO 8764-PZ
- Drive output acc. to DIN ISO 8764-PZ
- . Chrome top tip



Ordering data

| | J | | | | |
|------|------------|-----|-----|-----|------------|
| Туре | Dims. (mm) | Α | В | C | Order No. |
| SDI | | 0,4 | 2,5 | 75 | 2749790000 |
| SDI | | 0,5 | 3,0 | 100 | 2749800000 |
| SDI | | 0,6 | 3,5 | 100 | 2749810000 |
| SDI | | 0,8 | 4,0 | 100 | 2749820000 |
| SDI | | 1,0 | 4,5 | 125 | 2749830000 |
| SDI | | 1,0 | 5,5 | 125 | 2749850000 |
| SDI | | 1,2 | 6,5 | 150 | 2749860000 |
| SDI | | 1,6 | 8,0 | 175 | 2749870000 |

Ordering data

| Туре | Dims. (mm) | Α | В | С | Order No. |
|------|------------|-----|-----|-----|------------|
| SD | | 0,4 | 2,5 | 75 | 2749320000 |
| SD | | 0,5 | 3,0 | 80 | 2749330000 |
| SD | | 0,6 | 3,5 | 100 | 2749340000 |
| SD | | 0,8 | 4,0 | 100 | 2749360000 |
| SD | | 0,8 | 4,5 | 125 | 2749370000 |
| SD | | 1,0 | 5,5 | 150 | 2749380000 |
| SD | | 1,2 | 6,5 | 150 | 2749390000 |
| | | | | | |

Ordering data PH

| Туре | Dims. (mm) | Α | В | C | Order No. |
|---------|------------|---|---|-----|------------|
| SDK PHO | 0 | | | 60 | 2749400000 |
| SDK PH1 | 1 | | | 80 | 2749410000 |
| SDK PH2 | 2 | | | 100 | 2749420000 |
| SDK PH3 | 3 | | | 150 | 2749430000 |

Tension clamp terminal tool

Tool for PCB terminals with tension clamp connection









You do not need any special tool to connect or disconnect our tension clamp connection.

The opening is designed to accommodate a standard 0.6 \ensuremath{x} 3.5 x 100 screwdriver 2749040000 to DIN 5264-A (with flat blade).

Ordering data PZ

| Туре | Dims. (mm) | Α | В | C | Order No. |
|---------|------------|---|---|-----|------------|
| SDK PZ1 | 1 | | | 80 | 2749440000 |
| SDK PZ2 | 2 | | | 100 | 2749450000 |
| SDK PZ3 | 3 | | | 150 | 2749460000 |

u-maker Box – the Raspberry Pi housing from WeidmüllerFlexible realisation of ideas and projects

The Raspberry Pi single-board computer has long been popular in the "maker scene". It offers flexibility, availability, and community support at low cost.

The u-maker box is the ideal basis for realising your own applications with the Raspberry Pi. The modular and expandable housing impresses with many features. The internal accessories allow electronic components, 3rd party boards, and other components to be installed. The external holder is compatible with simple action cam accessories. This allows the u-maker box to be mounted flexibly in many places or supplemented with external accessories.

Your special advantages:

- Modular housing, compatible with the Raspberry 4
- Magnetic brackets between the modules with the option of screwing the modules together
- Two-sided slide-in panels for routing out connections and cables
- Internal accessories for mounting boards, electronics, cables, and fans
- External accessories for mounting the case in various locations

Modular and expandable

The enclosure can be expanded with additional frames via magnetic technology to mount additional components. 3D printed templates for easy customisation of internal and external accessories increase flexibility.

Compatible with action cam accessories

Affordable action cam accessories can be used to attach the u-maker box to a wide variety of locations. It can also be used to attach additional components to the housing.

Usable with industrial software

Easy Connect, u-os, and many other industrial-grade software solutions from Weidmüller can be used in conjunction with the Raspberry Pi community software. This significantly expands the professional range of applications.

5.58 **Weidmüller** ₹ 2977770000

OMNIMATE® Housings Electronic housings



2977770000 **Weidmüller № S.59**

Raspberry Pi housing

UH20-RPI-4-BASE

UH20-RPI-EXT





Technical data

Colour Colour chart (similar) Protection degree Operating temperature Depth / Width / Height Net weight

| black |
|-------------------------|
| RAL 9011 |
| IP20 |
| 055 °C |
| 120.4 / 120.4 / 35.5 mm |
| 133 GBM |

| black | | |
|-------|-------------------|---|
| RAL S | 9011 | |
| IP20 | | _ |
| 055 | j °C | _ |
| 120.4 | 1 / 120.4 / 24 mm | _ |
| 86 GF | RM | _ |

Note

S.60

Ordering data

 Type
 Qty.
 Order-No.

 UH20-RPI-4-BASE
 1
 2887690000

 Type
 Qty.
 Order-No.

 UH20-RPI-EXT
 1
 2887700000

Note

V

Service and support

| Service and support | Service connects – worldwide | V.2 |
|---------------------|------------------------------------------------------------------------------|------|
| | Engineering services and customised products | V.3 |
| | easyConnect - Your Industrial Service Platform | V.4 |
| | Support Center | V.6 |
| | Additional support services | V.7 |
| | Weidmüller Configurator: intuitive, uncomplicated & fast digital engineering | V.8 |
| | Your digital ordering options at Weidmüller | V.10 |

2977770000 **Weidmüller № v.**1

Our expertise for your requirements

Service connects - worldwide



Automation technology functions are becoming more complex in a globally-oriented world facing ambitious targets in terms of energy efficiency and smart production. We are your equal partners for the best connections in Industrial Connectivity.

Our personal support answers all questions reliably and expertly. During planning, installation or operation our service and support offer is your best companion.

In short: Weidmüller's global service combines our expertise with your requirements.





Your way to our service www.weidmueller.com/service

Service and support

Engineering services and customised products

Automation engineering and connectivity consulting belongs to our services as well as assembly of engineered products. We also support the process from the idea to the product with our Weidmüller Configurator and the Configure-to-Order process.



Consulting and engineering

The challenge for you is reducing costs and increasing efficiency. This requires intelligent, individual solutions. Whether it is modified products, prefitted mounting rails or complete small cabinets – our application centres provide a highly qualified custom-made engineering and production service.



Connectivity Consulting

Increase your competitiveness - supported by our experts
Our drive is to optimise your competitiveness. That's why our team of experts supports you in significantly increasing your efficiency in electrical machine design and control cabinet construction. With proven products and services from the Weidmüller portfolio – and with the experience gained from over 300 projects worldwide.



Assembled terminal rails - Flexibly designed to suit your requirements

Your processes in panel building have to be fast, flexible and productive. This is the only way you can cut your costs and increase efficiency. Depending on the application in question, you will have different requirements with respect to the engineering service, delivery speed and flexibility to be provided.



Modified and assembled enclosures - Competitive advantages included

To compete internationally, your plants need to satisfy high standards of safety, quality and performance. The smart combination of consultation, application expertise and industry know-how is our key to finding a custom-fit solution for your application. Reduce costs and increase efficiency.



Fast Delivery Service - Your ideas deserve a quick realisation

Obtain offers 24/7 and within minutes, including directly orderable article numbers with our Fast Delivery Service. The Weidmüller Configurator (WMC) for planning and configuration is key for consistent processes. Dispatch your orders in 5 days. Assemble individual terminal strips and enclosures from batch size 1!

Your ticket to the world of digital service

easyConnect - Your Industrial Service Platform



Our cloud-based platform is your ticket to the world of digital services from Weidmüller, and the intuitive and future-proof tool for your way to the Industrial IoT. Realise your use cases easily, consistently and without any relevant prior knowledge, thanks to the perfect interaction of platform, devices and diverse software services.

As an open, modular and perfectly integrable system, the platform is your enabler for a wide range of use cases. Increase your efficiency and unleash your full innovation potential with easyConnect.





Interested in using easyConnect?

Learn how to get started with easyConnect step-by-step.

www.weidmueller.com/easyconnect

V.4 Weidmüller ₹ 29777770000

Service and support

Why should you use easyConnect?

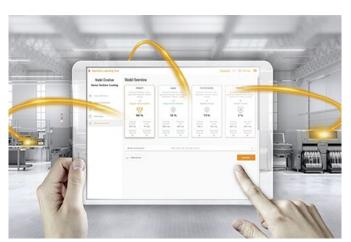
- You want to enter your digital transformation step-bystep?
- You want to make the step into Industrial IOT, but have no or little IT expertise?
- You want to use your digital data for smart & scalable services?
- You want to offer digital services (such as customised dashboard) to your customers?
- You want to improve your service offering and efficiency, e.g. through remote access?
- You feel Weidmüller's digital services are interesting, but you have "your cloud" already?



Weidmüller comes up with the solution: easyConnect, the new digitalisation platform. It bundles Weidmüller's digital services at one place in the cloud and connects them with various Weidmüller devices.

With easyConnect you start digitalising your application step-by-step without ballast in a secure way.

The following services are initially available on easyConnect:



Device management

Adding and managing cloud-connected devices is typically the first step in any Industrial IoT use case.

Asset management

The asset management service is a modelling tool that allows users to model their assets and processes and link them to relevant time series data.

Remote access (u-link)

u-link guarantees a quick and secure access to machines and plants while also allowing for efficient management.

Data visualisation

easyConnect data visualisation services enable users to view, monitor and display live and historical data.

AutoML

With Weidmüller Industrial AutoML, you can optimize operations, increase product quality and develop new business models by benefiting from advanced analytics.

Expand the possibilities of our products

Our Support Center provides you with comprehensive, clear and personal assistance



Receive fast and intuitive support to get the most out of our products in your application. In our new Support Center you can search or navigate to the many application notes, product information, video tutorials or software downloads of our products.

- · Everything at a glance One central support hub, where all relevant information is available
- Powerful search Provides filter functions for various types of information and products
- Different views and navigations Content provided in views product information, engineering support or software downloads
- More than 170,000 downloads Application notes, video tutorials, templates and examples, user documentation, engineering data, ...
- Personal contact Direct access to your personal technical contact in your country



Explore the world of our new Support Center

support.weidmueller.com

Š

Additional support services



Training and Webinars

Stay tuned in a world that is accelerating. In our entertaining interactive webinars, we offer you the opportunity to learn about new products and technology topics and to interact with our experts.



Repairs and replacement parts

We offer repair and components for our Workplace Solutions as well as assistance for other Weidmüller products. Find out how our experts can help you with your repair request.



Security advisory board

Our Product Security Incident Response Team (PSIRT) continuously informs you about possible securityrelated vulnerabilities of our products.



Engineering data

For the quick integration of our products into your design, there are a lot of digital product data for engineering systems like EPLAN, Zuken E3.series, WSCAD and many others available for download.



Product change notifications

Technical modifications of our products always available online.



Technical product catalogues

Technical data for our entire program in Industrial Connectivity for download in PDF-format.

V

From the idea to the finished solution

Weidmüller Configurator: intuitive, uncomplicated & fast digital engineering

Digital engineering can be so easy - with the Weidmüller Configurator!

It's a **free to use** software application to easily configure industrial solutions. It features more than **12,000 articles** from multiple product families including rail-mounted components, industrial and excertified enclosures, Heavy Duty Connectors, remote I/O-systems and PCB connectors.

Unleash the full power of digital engineering:

Our application wizards help you choose the right articles.

Place, mark or modify them to your needs and get your solution **visualized in 3D** – what you see is what you get!

Our promise: Speed up your solution planning process by up to 70%!

Your benefits:

- **Proven configuration designs in real 3D:** The plausibility and collision check with the complete digital documentation ensures that you can rely 100% on your configuration.
- **Seamless E-CAD Roundtrip:** Interfaces enable the simple exchange of product data between the WMC and all common engineering tools, such as Zuken E3 or EPLAN Electric P8.
- Sample Service & Fast Delivery Service: to support your design-in process, we offer a 3-day sample service for many products. Inquire them directly online for free!
 You want your solution right away? Our Fast Delivery Service guarantees delivery of individually assembled terminal strips or enclosures within a few days.

Get started online now!

The Weidmüller Configurator makes solution planning easy. Visit our website for more information, tutorials and download it for free:





www.weidmueller.com/wmc



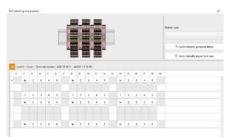
or register on **easyconnect.weidmueller.com** and use it online.





Wizards:

Design complete applications within few clicks – even without detailed product knowledge – for signal wiring, load monitoring, instrument transformers, enclosures, remote I/O-systems and many more.



Assistants:

Finalize your solutions with supporting assistants to add cross-connectors, markers or colors and verify the faultlessness. Automatic modes save valuable time!



1-click documentation:

Get assembly drawings for production – only 1 click. Bill of material – only 1 click. The complete solution documentation including all component data sheets – you 're right, only 1 click!

Digital ordering options

Your digital ordering options at Weidmüller

Find and easily select the products you need, with convenient ordering: as your Partner in Industrial Connectivity, we know what counts in purchasing. That is why we offer you a variety of options for ordering products from us and optimising your purchasing processes to meet your individual requirements and your workflow. The choice is yours.

Order via the Weidmüller eShop

Our eShop offers you access to the complete Weidmüller product range around the clock - directly from a PC, tablet, or smartphone. The intuitive user guidance supports you as you select from over 50,000 products. Technical data, prices, and availabilities are available at any time. The shopping basket with check out function lets you place an order in seconds. Convenient additional functions like CSV upload, order history, reports, or custom order templates make your ordering processes even more efficient.



Order via the OCI interface

The Open Catalogue Interface (OCI) facilitates the exchange of data between your enterprise resource planning system and our eShop. This means that our eShop is integrated into your system via an OCI interface, so you have access to our complete product catalogue from your enterprise resource planning system. You can filter and select products, place them in your shopping basket and place direct orders without changing your software application. The open OCI standard is supported worldwide from a variety of software providers.



Order via the EDI interface

Our Electronic Data Interchange (EDI) also offers you the option of ordering our products directly from your enterprise resource planning system. All order data is transmitted automatically to our system and processed immediately. Orders, order confirmations, invoices, and delivery notices are transmitted lightning fast. This helps you make your purchasing processes even more efficient.





We will be glad to advise you on which solutions are suitable for you and how implementation is possible. Get in touch with us

www.weidmueller.com/digital-order



Technical appendix

Technical appendix

| Overview of the icons used in the catalogue | W.2 |
|------------------------------------------------------------------------|------|
| Wire connection technologies and surface mounting | W.4 |
| Fastening options for OMNIMATE® device connection technology | W.8 |
| Insulating materials | W.12 |
| Metals | W.14 |
| Derating curve | W.15 |
| Measurement of clearance and creepage distances according to VDE / IEC | W.16 |
| Measurement of clearance and creepage distances according to UL | W.20 |
| UL design-in recommendations for 600 V applications | W.21 |
| Device connection technology in the reflow soldering process (SMT) | W.22 |
| The SMD solder connection | W.28 |
| AWG conductor table | W.29 |



2977770000 **Weidmüller ₹ W**.1

Overview of icons used in catalogue

The OMNIMATE® device connection methodology and electronics housing range is highly flexible, ensuring your application requirements are met. The more familiar you are with it, the easier it is to find the optimum component. To help you, we have listed and described the meaning of icons used in the catalogue. Let's connect.

Grid size in mm





Different grid sizes of between 3.50 mm and 15.00 mm require different installation sizes to meet electrical requirements.

Outlet direction of terminals, connectors and plugs





Each device design requires different wire feeds or actuation directions.

Combine options between 90° and 270°.

Soldering connection technology









Choose from manual, wave or reflow soldering with pushthrough or surface mounting. OMNIMATE® can do it all.

Wire connection method



TOP





PUSH IN



Leaf spring



clamp



Crimp



yoke



Ring cable

One of our core competencies. Individual strand connections for any application - tried-and-tested effectiveness.

Wire cross-section, in mm²







Different wire thicknesses of between 0.14 mm² and 95 mm² require different installation sizes for the mechanical and electrical requirements to be met.

Component design of terminals, connectors and plugs







Single-row is standard. Multi-row and multi-story designs increase the packing density and enable a large number of connections in a smaller space.

Type of packaging







Whether they come on reels, as tubes or boxes - our components are optimally packed so that they are fit for purpose.

Feature of our OMNIMATE® Power products



Can be used for 600 V according to UL



Can be used for IT networks according to IEC 61800-5-1



Can be used for very stringent requirements according to IEC 61800-5-1

Our service



Your time-saving, design-in sample service



Connection system





SNAP IN spring connection



The SNAP IN spring connection is the fastest connection and speeds up wiring processes in the field. The conductor only needs to be stripped and can be inserted directly into the clamping point,

even without a ferrule. Thanks to the mousetrap concept, the connection spring closes and the conductor is already contacted. Even flexible conductors can be connected without any further preparation. This makes wiring as quick as snapping your fingers. The integrated green indicator gives, besides an audible click, a visual feedback when the wiring is done. The SNAP IN clamping point is already open when delivered and thus ready to robot, which means that the SNAP IN connection enables fully automated wiring processes without any necessary preparation. Like the connection, the rewiring is also simple and does not require any tools. By actuating the lever, the clamping point is opened and the connected conductor can be removed. At the same time, the clamping point remains open and is thus directly ready for the next wiring.

PUSH IN spring connection



The PUSH IN spring connection with direct plug-in technology allows the fast wiring process: the stripped or prepared wire is simply pushed into the terminal point as far as it will go and the

connection is finished. Operating the release lever is only required with flexible wires or to release the connection. The stainless steel spring ensures a high contact force between wire and the tinned copper busbar. A stainless steel cage enclosure prevents subsidence in the contact area. To prevent any drop in clamping force plastic parts were deliberately not used.

Customer benefits:

- . Simple and fastest conductor connection thanks to the mousetrap concept
- Direct connection of stripped conductors without further preparation - even for flexible conductors without ferrules
- · Robust and vibration-resistant wire connection with constantly high wire clamping force
- · Visual and audible indication when wiring is complete
- · Ready to robot thanks to open clamping point for fully automated wiring processes
- · Simple and tool-free operation of the lever for rewiring

Customer benefits:

- Fast, tool-less wire connection with direct insertion technology
- The stainless steel spring results in a vibration-resistant connection
- Higher resistance to wire pull-out than in a tension clamp system
- Constant conductor clamping force independent of the operator
- Operator error is reduced using a colour-coded and intuitive actuator
- Wire feed and the operation are aligned in the same direction which permits a compact equipment design

Field of application:

The innovative connector for any application in the field with fastest possible and tool-free wiring. Ideal for fully automated wiring processes and in harsh environmental conditions.

Field of application:

The default choice for operation in the field; it permits speedy wiring and, combined with its small size, its intuitive use is also advantageous even in environments with severe vibration.



Tension clamp connection



The pre-tensioned tension clamp is made from high quality rust and acid resistant steel, wich pulls the wire against the galvanised copper busbar. This results are a permanent and vibration

resistant connection. Operation is simple; the spring is opened with a screwdriver, wire is fed through the wire guide into the spring cage and the screwdriver is removed resulting in a clamped wire. The surface-treated busbar ensures low contact resistance and a high resistance to corrosion.



Clamping yoke screw connection



The clamping-yoke connection is the most used screw connection in the world. Steel clamping-yokes made of using a stamping and bending process guarantee a vibration proof clamp

connection. When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area which prevents the connection accidentally loosening. As the screw thread is on an inclined plane, there is a force gain created and a very high clamping force is achieved. Weidmüller uses hardened steel with optimal corrosion protection for stability and security and copper alloys in the contact area for good electrical conductivity.

Customer benefits:

- Constant conductor clamping force independent of the operator
- · Wide-spread connection technology
- Simple operation using a screwdriver or the integrated release lever

Customer benefits:

- The screw connection guarantees a globally accepted, vibration proof and maintenance free connection.
- A large conductor clamping area is covered.
- The "Wire Ready" technology ensures that the terminal points are fully open at delivery, even after being transported world-wide
- The "Wire Guard" protection mechanism prevents accidental insertion of the wire underneath the clamping area which can be dangerous, it protects against hidden faulty contacts
- The flat clamping yoke also enables the clamping of very small cross-section wires

Field of application:

Fast wiring with a constant clamping force, even in environments with severe vibration.

Field of application:

The standard connection for applications in industrial environments with the highest requirements for reliability even under harsh conditions.

W

Connection system



TOP screw connection terminal with Pull-Effect



In the traditional case, the screw is always at a right angle to the conductor outlet direction. The TOP connection, however, allows wire insertion and the screw orientation in the same direction.

The TOP connection produces the greatest possible packing density in the terminal area. The "pull effect" ensures that the connected wire is pulled in to the clamping point producing a secure contact.

Customer benefits:

- The "pull effect" pulls the wire into the terminal point. Problems with clearance and creepage distances are avoided.
- Wire feed and the operation are aligned in the same direction which permits a compact equipment design
- The minimum installation height results in an extremely high packing density

Field of application:

Housing design or installation requirements such as PCB slots, that do not allow a right angled screw operation for reasons of space.



Crimp connection



The crimp connection technology provides an affordable solution with pre-assembled female plugs that is also appropriate for large batch jobs. The crimp contacts can be attached using hand

tools or with a crimping machine for producing large batches. The contacts are then locked into the housing provided. For fully automated processing, taped crimp contacts are available.

Customer benefits:

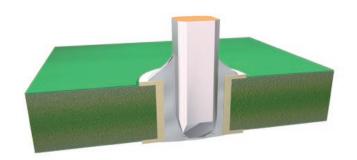
- Rapid, fully automated pre-assembly of connectors is possible
- Long-lasting, positive connection technologies
- Minimal contact resistances
- · The conductor connection is extremely thermal shock and vibration resistant

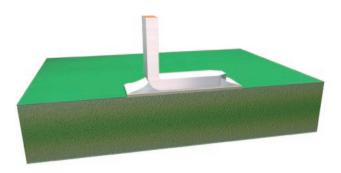
Field of application:

Applications that combine fully automatic and factory oriented processing steps with the actual field wiring. Works in environments with severe vibration or temperature fluctuations.



Surface mounting





THR soldered connection



Reflow products in THT (through-hole technology) are the best alternative to using just SMT (surface-mount technology) if higher forces might be operating on the printed-circuit board

components. The component design of Weidmüller products is specifically developed for this application and takes into account the requirements in terms of structural shape, temperature stability and processing for THT products from the word "go".

Customer benefits:

- Special temperature-resistant plastics with a melting point of over 300 °C.
- 2 pin lengths 1.5 mm for low paste requirements and 3.2 mm for focus on quality assurance.
- Packed in standard cardboard boxes or antistatic belts, for use in pick-and-place machines.
- Comparably higher current-carrying capacity due to the plastic's high temperature stability.

Field of application:

Applications where fast processing and reliable and stable connections to the printed-circuit board are of the essence.

Reflow, wave or hand soldering with high temperature requirements.

SMD surface soldering connection



Electronic subassemblies are manufactured economically using surface-mount technology (SMT) with surface-mount devices (SMD). Design measures such as co-planarity and the size/shape

of the soldering pads lend electromechanical components a reliable and stable printed-circuit board connection. The structural shape and temperature stability of Weidmüller SMD components are matched to processing in automated surface mounting equipment.

Customer benefits:

- In contrast to THR, no holes are necessary for printed-circuit boards (for instance, with glass ceramic-printed circuit boards).
- · Two soldering pads per connecting point boost mechanical stability.
- Standard packaging in the antistatic belt means it can be used in pick-and-place machines.
- High dimensional stability due to plastic with a high level of temperature resistance, with a melting point over 300 °C.

Field of application:

Subassemblies that are exclusively equipped with SMD components and exposed to medium electromechanical loads.



You are looking for the best connectors for your project We help you find the right solution

Every new design needs different components to provide a suitable solution for your application. For example, the mating connectors on the PCB and in the housing have to meet different requirements. When installing the mating connectors, your customers will expect enhanced features for safety and convenience.

Possible fastening options for male and female connectors on the printed circuit board:

Connector without fastening option for the plug



Open (0): this simplest connector version has no side panels. Open variants can be positioned next to one another without a loss of poles (end-stackable). Two 2-pole connectors can therefore be used to produce

one 4-pole connector on the printed circuit board. The end-stackable design is flexible when producing very large numbers of poles on the printed circuit board.



Closed (G): closed versions are used to prevent the plug being incorrectly inserted and to provide better dust protection. Ideally suited to prevent mismating.

Connector with secure fastening with screw option



Dovetail (B): the dovetail variant is closed and allows mounted blocks to be added. Our mounting options deliver all the flexiblity you require.



Flange with nut (F): for the classic screw option, each flange is paired with a nut for the screw in the flange plug counterpart.

Connector with additional fastening on printed circuit board



With optional screw: for increased mechanical stability, you can also use a screw to fasten the flange connector to the PCB. An extra hole must be provided on the printed circuit board for the screws.



With solder pin (LF): solder flange rather than screw. For increased mechanical stability on the printed circuit board, an additional solder pin is integrated into the flange sides on the printed circuit board. This pin can be

simply soldered during the soldering process. There is no need for any more screw connections.

Connector with fastening option for plug – with release latch



Clip-on flange (RF): if you only want to link connectors and plugs with a release latch and don't want to fix them with a screw, this is the best solution. The clip-on flange provides the plug's latching hook, with the contour needed

to ensure a secure fix, which is easy to release later on.



Middle flange (MF): for some OMNIMATE®
Power series, alongside the classic flange
versions located externally on the right and left
of the male and female connectors, we also
provide an innovative middle flange with a

latching hook mechanism. This clever solution makes very simple and safe handling possible. The pin and plug can be securely fixed and released with just one hand.

As an option, the clip-on flange, with an extra nut in the male connector, can also be screwed down to the plug. Variants with a solder pin for additional fixing on the printed circuit board are also possible.

W

Fixing and releasing a plug with the connector / device:

Plug without fixing option



Closed (G): the standard version – without additional flange or latch. To release, simply pull the plug. In most series, the plugs can be plugged next to one another, without a loss of poles.

Plug with fastening option - with screw



Dovetail (B): the variant with a dovetail contour on the left and right is closed and if necessary, you can mount extra small fastening blocks (flanges) for installation. With little effort, you can therefore prepare versions

which are both closed and feature a flange.



Flange version (F): plugs with flange have a screw on either end. This ensures secure fixing of the plug with the matching connector, with flange and nut. Increased safety means that no one can release the plug by mistake.

In our OMNIMATE® Power series, a latching hook provides secure retention. The screw can also be used for fastening purposes. The latch between the plug and pin can be released by simply pressing on both sides.

Plug with convenient release function – with release lever or latch



Release latch (LR): there is a lever on the right and left of the plug which can be easily moved by pressing with a screwdriver or fingers. Plug and pin are also automatically linked with just one click. Because of the lock

mechanism, the plug cannot be released by mistake. Pulling forces are increased, for connectors with large numbers of pins in particular. However the release latch can be used to simply release the plug from the connector with flange, or from the housing without the wires having to be pulled. The plug can only be released from the pin by manually unlocking the release catch at the same time.



Middle flange (MF): for some OMNIMATE® Power series, alongside the classic flange versions located on the right and left of the male and female plugs, we also provide an innovative middle flange. This clever solution

makes very simple and safe handling possible. The pin and plug can be securely fixed and released with just one hand. To fix the components, either simply latch together or, for increased safety, you can also insert a screw through the latching hook.

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2977770000 **Weidmüller № W.9**

Fastening options for OMNIMATE® printed-circuit board plug-and-socket connectors

http://www.OMNIMATE.net Flange options for plug-and-socket connectors 0 = recommended = possible to a limited extent closed open Fastening for the printed-circuit board Fastening for the strip closed 9 00 dovetail for B block OMNIMATE® signal and power screw inverted flange æ Ħ release gear 3 release latch 2 bar OMNIMATE® Power locking hook/ with screw inverted flange FI/SFI locking hook/ with screw MF/MSF

W

V.10 Weidmüller ₹ 2977770000

RF

MF/MSF

| dovetail for B block | flange with nut | flange with nut | locking flange without a nut (for release latch) | centre flange with/without nut | | | | | |
|-------------------------------|-----------------|-----------------|-----------------------------------------------------|--------------------------------|--|--|--|--|--|
| with the nut from accessories | optional screw | terminal pin | terminal pin | terminal pin (partially) | | | | | |
| Pin | headers | | | | | | | | |
| | | | | | | | | | |
| Socket terminal strips | | | | | | | | | |
| | | 200 | | | | | | | |
| • | • | • | • | | | | | | |
| • | • | • | | | | | | | |
| • | • | • | | | | | | | |
| • | • | • | | | | | | | |
| • | • | • | | | | | | | |
| • | • | • | • | | | | | | |
| | • | | | | | | | | |
| | • | • | | | | | | | |
| | | | | • | | | | | |

LF/LFI/FLF

F/FI

Weidmüller ₹ W.11 2977770000

Insulating materials

Weidmüller uses different insulating materials because of the diverse requirements placed on our products. The insulating materials do not contain any hazardous substances. The use of cadium-free materials is a very high priority. Our insulating materials contain neither pigments based on heavy metals nor any substances that lead to the formation of dioxin or furan.

Thermoplastics

Plastic Abbreviation

Wemid PA66

Wemid is a modified thermoplastic, its properties are specially tailored to meet the needs of our cable connectors. Advantages over PA are the improved fire protection and the higher sustained working temperature. WEMID meets the stringent requirements for use in railway carriages according to NF F 16-101.

Wemid GF

Glass-fibre reinforced WEMID offers excellent dimensional stability and very good mechanical properties. This makes a difference when used as an end bracket. The material falls in the V-O flammability class according to UL 94.

Polyamide PA

Polyamide (PA) is one of the most widely used engineering plastics. Advantages of this material are its good electrical and mechanical characteristics, its flexibility and resistance to breakage. In addition, PA offers good fire resistance on account of its chemical structure even without the addition of flame retardants.

Description

higher sustained working temperature

improved fire resistance

halogen-free and phosphorfree flame-retardant material

low smoke produced in the event of fire

permitted for use in railway applications following NF F 16-101 specifications excellent dimensional stability

very good mechanical characteristics

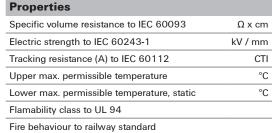
halogen-free flame retardant material

flexible, resistant to breakage

good electrical and mechanical characteristics

self-extinguishing characteristic

halogen-free flame retardant material



| 1012 |
|------------|
| 25 |
| 600 |
| 120 |
| -50 |
| V-0 |
| I2 / F2 *) |
| |
| |

| 1015 | 1012 |
|------|------|
| 35 | 30 |
| 550 | 600 |
| 120 | 100 |
| -40 | -50 |
| V-0 | V-2 |
| - | |
| | |

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*I.*12 **Weidmüller** ₹ 2977770000

Thermoplastics

Polyamide PAGF

Glass-fibre reinforced polyamide (PAGF)

offers excellent dimensional stability and very good mechanical characteristics. This makes a difference when used as an end bracket. As compared to unreinforced PA, this material has flammability rating HB according to UL 94.

Polyphthalamide PPA (PA9T)

Polyphthalamide (PPA)

offers excellent mechanical and electrical properties. In addition, the high-performance material is characterized by its low water absorption and thus high dimensional stability and is suitable for both wave and reflow soldering processes.

Polybutylene terephthalate PBT

Thermoplastic polyester (PBT)

offers excellent dimensional stability (hence its use in plug connectors) and a high constant operating temperature. Compared to other insulating materials, the creepage-current resistance is lower.

Polybutylene terephthalate PBT (GF)

Thermoplastic polyester (PBT/glass fibre reinforced)

offers excellent dimensional stability (hence its use in plug connectors) and a high constant operating temperature. Compared to other insulating materials, the creepage-current resistance is lower.

Liquid crystal polymer LCP (GF)

LCP (glass fibre reinforced)

offers excellent dimensional stability, particularly at high temperatures. As the material is similar to PCBs and has a very low thermal expansion coefficient, it is particularly suitable for components that are soldered in the reflow oven.

excellent dimensional stability

very good mechanical characteristics

halogen-free flame retardant material

increased continuous operating temperature

very good electrical and mechanical properties

low water absorption

halogen-free flame retardant

high dimensional stability

good electrical and mechanical characteristics

Flame retardants that do not form dioxin or furan.

high dimensional stability

good electrical and mechanical characteristics

Flame retardants that do not form dioxin or furan.

excellent dimensional stability

high constant operating temperature

minimal water absorption

low thermal expansion coefficient

| 10 ¹² | | 10 ¹³ | 1013 | 10 ¹⁵ |
|------------------|-----------|------------------|------|------------------|
| 30 | 35 | 28 | 29 | 35 |
| 500 | ≥ 600 | 200 | 200 | 175 |
| 100 | 125 | 115 | 130 | 240 |
| -50 | -50 | -50 | -50 | -50 |
| НВ | V-2 / V-0 | V-0 | V-0 | V-0 |
| | I2 / F2 | | | _ |
| | | | | |
| | | | | |

W

Metals

Metals

All the metals used by Weidmüller are selected and processed with their surfaces treated according to the latest technical standards.

Steels

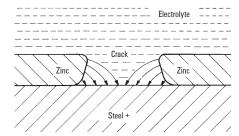
Steel parts are electrogalvanised and treated with an additional Weidmüller passivation technique, WInQ®. The surface protection conforms to the highest standards, is matched to the special requirements of the connection systems used and is RoHS-compatible (RoHS = Restriction of Hazardous Substances). Experience gained from storage in outdoor test racks at different locations (industrial, marine, tropical and normal atmospheres) has been incorporated into the design of the surface protection.

Zinc protects against corrosion for a long time even after the zinc coating has been partially damaged by scratches or pores. In the presence of an electrolyte, zinc acts as a cathode (i.e. negative) with respect to steel. The metal ions of the zinc migrate to the steel, which provides long-term protection for the parent metal.

Conductive materials

The current-carrying materials copper, brass and bronze are characterised by a high conductivity plus good mechanical properties. The surfaces are usually given a coating of tin, which creates an extremely good, "malleable" contact with a low contact resistance. Apart from ensuring consistently good electrical properties, the tin coating provides excellent protection against corrosion. Solder connections are also given a coating of tin.

In order to guarantee the long-term solderability (shelf life), the brass parts are given an additional nickel coating as a diffusion barrier. The nickel coating provides effective protection against the loss of zinc atoms from the brass.



W

Derating curve (current-carrying capacity curve)

The **derating curve** shows which currents may flow continuously and simultaneously via all possible connections when the component is subjected to various ambient temperatures below its upper limit temperature.

The upper limit temperature

of a component is the rated value determined by the materials used. The total of the ambient temperature plus the temperature rise caused by the current load (power loss at volume resistance) may not exceed the upper limit temperature of the component, otherwise it will be damaged or even completely ruined.

The current-carrying capacity is hence not a constant value, but rather decreases as the component ambient temperature increases.

Furthermore, the current-carrying capacity is influenced by the geometry of the component, the number of poles and the conductor(s) connected to it. The current-carrying capacity is determined empirically according to DIN IEC 60512-3. To do this, the resulting component temperatures t_{b1} , t_{b2} ... and the ambient temperatures t_{u1} , t_{u2} are measured for three different currents l_{11} , l_{21} , l_{32}

The values are entered on a graph with a system of linear coordinates to illustrate the relationships between the currents, the ambient temperatures and the temperature rise in the component.

The **loading currents** are plotted on the y-axis, the **component ambient temperatures** on the x-axis.

A line drawn perpendicular to the x-axis at the upper limit temperature $t_{\rm g}$ of the component completes the system of coordinates.

The associated average values of the temperature rise in the component, $\Delta \ t_1 = t_{b1}\text{-}t_{u1}, \ \Delta \ t_2 = t_{b2}\text{-}t_{u2}, \ ... \ are plotted for every current I_1, I_2, ... to the left of the perpendicular line.$

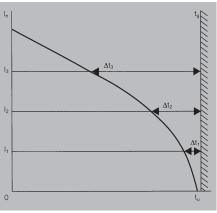
The points generated in this way are joined to form a roughly parabolic curve.

As it is practically impossible to choose components with the maximum permissible volume resistances for the measurements, the base curve must be reduced.

Reducing the currents to 80 % results in the "derating curve" in which the maximum permissible volume resistances and the measuring uncertainties in the temperature measurements are taken into account in such a way that they are suitable for practical applications, as experience has shown. If the derating curve exceeds the currents in the low ambient temperature zone, which is given by the current-carrying capacity of the conductor cross-sections to be connected, then the derating curve should be limited to the smaller current in this zone.

Base curve

max. temperature of component

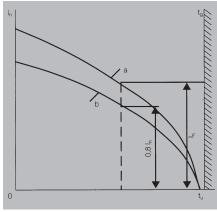


 t_g = upper limit temperature of component

t_u = ambient temperature

In = current

Derating curve



t_q = upper limit temperature of component

t = ambient temperature

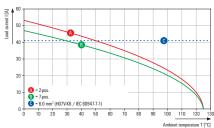
I_n = current

= base curve

b = reduced base curve (derating curve)

Example: derating curve for minimum and maximum number of poles

BVZ 7.62HP/../180 - SV 7.62HP/../180





2977770000 **Weidmüller** ₹ W.1

Design of clearance and creepage distances in electrical equipment

General:

Since April 1997 the sising of clearance and creepage distances has been covered by DIN VDE 0110 part 1 "Insulation coordination for electrical equipment in low-voltage systems".

DIN VDE 0110 part 1 contains the modified edition of IEC Report 664-1 (see also IEC 664-1/Oct 1992). The design data resulting from these provisions is - if applicable - specified in this catalogue for each product.

Table 1: Rated impulse withstand voltages for electrical equipment

| Rated voltage of po supply system*) in | | | Rated impulse withstand voltage in kV | | | | |
|-------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------|--|--|
| Three-phase systems | Single-phase systems with neutral point | Electrical equipment at the supply point of the installation | Electrical equipment as part of the permanent installation | Electrical equipment to be connected to the permanent installation | Specially protected electrical equipment | | |
| | | (Overvoltage category IV) | (Overvoltage category III) | (Overvoltage category II) | (Overvoltage category I) | | |
| | 120 to 240 | 4,00 | 2,50 | 1,50 | 0,80 | | |
| 230/400 277/480 | | 6,00 | 4,00 | 2,50 | 1,50 | | |
| 400/690 | | 8,00 | 6,00 | 4,00 | 2,50 | | |
| 1000 | | Values depend on the particular project or, if no values are available, the values above for 400/690 V can be used. | | | | | |

^{*)} to IEC 38

Category I is valid for specially rated equipment

Category II is valid for technical committees responsible for electrical equipment specified for connecting to the mains power supply

Category III is valid for technical committees responsible for installation materials, and for some specific technical committees

Category IV is valid for power supply companies and particular projects

Table 2a: Minimum clearances to VDE 0110-1/Apr 1997

| Rated Minimum clearance distances in mm for sites up to 2000 m above sea level | | | | | | | | | | |
|--------------------------------------------------------------------------------|-----------------------------|------|----------------|------------|-------|--------------------|--------|-------------|-----------|------|
| impulse | ipulse Case A (inhomogeneou | | | ous field) | | | Case B | (homogeneou | ıs field) | |
| withstand | | P | ollution sever | ity | | Pollution severity | | | | |
| volt. in KV | 1 | 2 | 1) | 3 | 4 | 1 | 2 | 1) | 3 | 4 |
| 0,33 | 0,01 | | | | | 0,01 | | | | |
| 0,40 | 0,02 | | 0,10 | | | 0,02 | | 0,10 | | |
| 0,50 | 0,04 | 0,20 | | | | 0,04 | | | | |
| 0,60 | 0,06 | | 0,12 | 0,80 | | 0,06 | 0,20 | 0,12 | | |
| 0,80 | 0,10 | | | 0,00 | 1,60 | 0,10 | | | | |
| 1,00 | 0,15 | | 0,20 | | 1,00 | 0,15 | | 0,20 | 0,80 | |
| 1,20 | 0,25 | 0 | 1,25 | | | 0,20 | | | | 1,60 |
| 1,50 | 0,50 | 0 | ,50 | | | 0,30 | 0, | 30 | | |
| 2,00 | 1,00 | 1 | ,00 | 1,00 | | 0,45 | 0, | 45 | | |
| 2,50 | 1,50 | 1 | ,50 | 1,50 | | 0,60 | 0, | 60 | | |
| 3,00 | 2,00 | 2 | 2,00 | 2,00 | 2,00 | 0,80 | 0, | 80 | | |
| 4,00 | 3,00 | 3 | ,00 | 3,00 | 3,00 | 1,20 | 1,3 | 20 | 1,20 | |
| 5,00 | 4,00 | 4 | ,00 | 4,00 | 4,00 | 1,50 | 1, | 50 | 1,50 | |
| 6,00 | 5,50 | 5 | ,50 | 5,50 | 5,50 | 2,00 | 2, | 00 | 2,00 | 2,00 |
| 8,00 | 8,00 | 8 | 3,00 | 8,00 | 8,00 | 3,00 | 3, | 00 | 3,00 | 3,00 |
| 10,00 | 11,00 | 11 | ,00 | 11,00 | 11,00 | 3,50 | 3, | 50 | 3,50 | 3,50 |
| 12,00 | 14,00 | 14 | ,00 | 14,00 | 14,00 | 4,50 | 4, | 50 | 4,50 | 4,50 |
| 15,00 | 18,00 | 18 | 3,00 | 18,00 | 18,00 | 5,50 | 5, | 50 | 5,50 | 5,50 |

¹⁾ Pollution severity 2 is split for impulse voltages up to 1.00 kV (case A) or 1.20 kV (case B).

These values apply for printed circuits but deviate from those in IEC Report 664

Dimensioning of clearance and creepage distances to VDE 0110/Apr 1997 (IEC Report 664-1) "Insulation coordination for electrical equipment in lowvoltage systems"

The provisions for insulation coordination result in the following relationships for dimensioning of clearance and creepage distances:

- Clearances are dimensioned according to the anticipated overvoltages taking into account the ratings of the overvoltage protection precautions in use and the anticipated environmental conditions taking into account the protective measures taken to prevent pollution.
- Creepage distances are dimensioned according to the operating voltage and the anticipated environmental conditions taking into account the insulating materials used and the protective measures taken to prevent pollution.

Dimensioning of clearances

Decisive for the dimensioning of clearances are the rated impulse withstand voltages shown in table 1, which are derived from the overvoltage category and the phase-to-earth voltage depending on the rated mains voltage (taking into account all types of supply systems).

The minimum clearances (up to site altitudes of 2000 m above mean sea level) are determined from table 2a based on the rated impulse withstand voltage and the pollution severity.

Note: Clearances that do not comply with case A must be subjected to an impulse withstand voltage test (see table 2a, footnote 1).

The **pollution severity categories** are as follows:

Pollution severity category 1: No pollution, or only dry, nonconductive pollution that has no influence.

Pollution severity category 2: Non-conductive pollution only; occasional condensation may cause temporary conductivity.

Pollution severity category 3: Conductive pollution, or dry, non-conductive pollution that is liable to be rendered conductive through condensation.

Pollution severity category 4: Contamination results in constant conductivity, e.g. caused by conductive dust, rain or snow.

The following aspects apply to the **overvoltage categories** in accordance with the German standard DIN VDE 0110-1:

Electrical equipment fed directly from the low-voltage mains Specification of a specific overvoltage category shall be based on the following:

- Equipment of overvoltage category I is equipment that is intended to be connected to the permanent electrical installation of a building. Measures to limit transient overvoltages to the specific level are taken outside the equipment, either in the permanent installation or between the permanent installation and the equipment.
- Equipment of *overvoltage category II* is equipment to be connected to the permanent electrical installation of a building.

Note: Examples of such equipment are household appliances, portable tools and similar loads.

- Equipment of overvoltage category III is equipment that is part of the permanent electrical installation and other equipment where a higher degree of availability is expected.

Note: Examples of such equipment are distribution boards, circuit-breakers, wiring systems (IEV 826-06-01, including cables, busbars, junction boxes, switches, power sockets) in the permanent installation, and equipment for industrial use and some other equipment, e.g. stationary motors with permanent connections to the permanent installation.

- Equipment of *overvoltage category IV* is for use at or in the proximity of the incoming supply point of the electrical installations of buildings upstream of the main distribution board.

Table 3a: Single-phase 2- or 3-wire AC or DC systems

| -,-:- | | |
|------------------|-------------------|-----------------------|
| Rated voltage of | Voltages | for table 4 |
| the power supply | For insulation | For insulation |
| (mains)*) | phase-to-phase 1) | phase-to-earth 1) |
| | All systems | 3-wire systems, |
| | | neutr. point earthing |
| V | V | V |
| 12,5 | 12,5 | - |
| 24 | 25 | - |
| 25 | | |
| 30 | 32 | - |
| 42 | | |
| 48 | 50 | - |
| 50**) | | |
| 60 | 63 | - |
| 30-60 | 63 | 32 |
| 100**) | 100 | - |
| 110 | 125 | - |
| 120 | | |
| 150**) | 160 | - |
| 220 | 250 | - |
| 110-220 | 250 | 125 |
| 120-240 | | |
| 300**) | 320 | - |
| 220-440 | 500 | 250 |
| 600**) | 630 | - |
| 480-960 | 1000 | 500 |
| 1000**) | 1000 | - |

- 1) Phase-to-earth insulation levels for unearthed or impedance-earthed systems are equal to those of phase-to-phase because the operating voltage to earth of any phase can, in practice, reach full phase-to-phase voltage. This is because the actual voltage to earth is determined by the insulation resistance and capacitive reactance of each phase to earth; thus, a low (but acceptable) insulation resistance of one phase can earth it and raise the other two to full phase-to-phase voltage to earth.
- *) It is assumed that the rated voltage of the electrical equipment is not lower than the nominal voltage of the power supply.
- **) Because of the common changes, the meaning of the ** symbol has not been used in table 1; i.e. the / symbol indicates a 4-wire 3-phase distribution system. The lower value is the phase-to-ental voltage, while the higher value is the phase-to-phase voltage. Where only one value is indicated, it refers to 3-wire, 3-phase systems and specifies the value phase-to-phase. The values given in table 1 are still taken into account in tables 3a and 3b by the ** symbol.

Table 3b: 3-phase 3- or 4-wire AC systems

| V For insulation | oltages for table For ins | |
|---------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For insulation | For ine | 1.7 |
| | 1 01 1113 | ulation |
| phase-to-phase 1) | phase-to | -earth 1) |
| All systems | 3-phase | 3-phase |
| | 4-wire systems | 3-wire systems |
| | with earthed | unearthed ¹⁾ or |
| | neutral wire2) | phase-earthed |
| V | V | V |
| 63 | 32 | 63 |
| 125 | 80 | 125 |
| 160 | - | 160 |
| 200 | 125 | 200 |
| 250 | 160 | 250 |
| 320 | - | 320 |
| 400 | 250 | 400 |
| 500 | 250 | 500 |
| 500 | 320 | 500 |
| 630 | 400 | 630 |
| 630 | - | 630 |
| 630 | 400 | 630 |
| 800 | 500 | 800 |
| 1000 | 630 | 1000 |
| 1000 | - | 1000 |
| | V 63 125 160 200 250 320 400 500 500 630 630 630 800 1000 | 4-wire systems with earthed neutral wire² V 63 32 125 80 160 - 200 125 250 160 320 - 400 250 500 250 500 320 630 400 630 - 630 400 800 500 1000 630 |

- Phase-to-earth insulation levels for unearthed or impedance-earthed systems are equal to those of phase-to-phase because the operating voltage to earth of any phase can, in practice, reach full phase-to-phase voltage. This is because the actual voltage to earth is determined by the insulation resistance and capacitive reactance of each phase to earth; thus, a low (but acceptable) insulation resistance of one phase can earth it and raise the other two to full phase-to-phase voltage to earth.
- For electrical equipment for use in both 3-phase 4-wire and 3-phase 3-wire supplies, earthed and unearthed, use the values for 3-wire systems only.
- *) It is assumed that the rated voltage of the electrical equipment is not lower than the nominal voltage of the power supply.
- **) Because of the common changes, the meaning of the ** symbol has not been used in table 1; i.e. the / symbol indicates a 4-wire 3-phase distribution system. The lower value is the phase-to-neutral voltage, while the higher value is the phase-to-phase voltage. Where only one value is indicated, it refers to 3-wire, 3-phase systems and specifies the value phase-to-phase. The values given in table 1 are still taken into account in tables 3a and 3b by the ** symbol.

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Note: Examples of such equipment are electricity meters, circuit-breakers and ripple control units.

Note on application of pollution severity and overvoltage categories

The pollution severity and rated impulse withstand voltage derived from the overvoltage category are each specified in this catalogue and are product-related.

In principle, the dimensioning of clearance and creepage distances, and the resulting specification of ratings for electromechanical products (terminal blocks, terminal strips, PCB terminals/connectors) is based on pollution severity 3 and overvoltage category III considering all types of systems.

Dimensioning of creepage distances

Decisive for dimensioning of creepage distances are the rated voltages derived from the **system voltages** of the power supply for the respective **type of supply system** in conjunction with the **pollution severity** (classification, see "Clearances") and the **insulating material** used.

Taking into account tables 3a and 3b and the CTI (Comparative Tracking

Index) of the insulating material, the minimum creepage distances are determined from table 4.

The insulating materials are subdivided into four groups according to their CTI (Comparative Tracking Index):

| Incu | latina | material |
|------|--------|----------|
| | | |

| modiating materia | l . |
|-------------------|-----------------|
| I | 600 ≤ CTI |
| II | 400 ≤ CTI < 600 |
| III a | 175 ≤ CTI < 400 |
| III b | 100 ≤ CTI < 175 |

Table 4: Minimum creepage distances

| | | Creepage distance in mm | | | | | | | | | | |
|---------------------------------------------|---------------------------------|-------------------------|------------------|---------------------------|--------------------|-------|--------------------------------|-------|-------------------|--------------------------------|-------|--------|
| Rated voltage | Printed | circuits | Other electrical | | | | | | | | | |
| nateu voitage | | | equipment | | | | | | | | | |
| العمال | F | Pollution severity | | | Pollution severity | | | | | | | |
| U _{.eff} or U _. in V | 1 | 1 2 | | 2 | | | 3 Insulating material group | | | 4 Insulating material group | | |
| III V | Insulating mat. Insulating mat. | | Insulating mat. | Insulating material group | | | | | | | | |
| | 2) | 3) | 2) | - 1 | II | III | I | II | III ⁴⁾ | I | II | III 4) |
| 10 | 0,025 | 0,04 | 0,08 | 0,40 | 0,40 | 0,40 | 1,00 | 1,00 | 1,00 | 1,60 | 1,60 | 1,60 |
| 12,5 | 0,025 | 0,04 | 0,09 | 0,42 | 0,42 | 0,42 | 1,05 | 1,05 | 1,05 | 1,60 | 1,60 | 1,60 |
| 16 | 0,025 | 0,04 | 0,10 | 0,45 | 0,45 | 0,45 | 1,10 | 1,10 | 1,10 | 1,60 | 1,60 | 1,60 |
| 20 | 0,025 | 0,04 | 0,11 | 0,48 | 0,48 | 0,48 | 1,20 | 1,20 | 1,20 | 1,60 | 1,60 | 1,60 |
| 25 | 0,025 | 0,04 | 0,125 | 0,50 | 0,50 | 0,50 | 1,25 | 1,25 | 1,25 | 1,70 | 1,70 | 1,70 |
| 32 | 0,025 | 0,04 | 0,14 | 0,53 | 0,53 | 0,53 | 1,30 | 1,30 | 1,30 | 1,80 | 1,80 | 1,80 |
| 40 | 0,025 | 0,04 | 0,16 | 0,56 | 0,80 | 1,10 | 1,40 | 1,60 | 1,80 | 1,90 | 2,40 | 3,00 |
| 50 | 0,025 | 0,04 | 0,18 | 0,60 | 0,85 | 1,20 | 1,50 | 1,70 | 1,90 | 2,00 | 2,50 | 3,20 |
| 63 | 0,040 | 0,63 | 0,20 | 0,63 | 0,90 | 1,25 | 1,60 | 1,80 | 2,00 | 2,10 | 2,60 | 3,40 |
| 80 | 0,063 | 0,10 | 0,22 | 0,67 | 0,95 | 1,30 | 1,70 | 1,90 | 2,10 | 2,20 | 2,80 | 3,60 |
| 100 | 0,10 | 0,16 | 0,25 | 0,71 | 1,00 | 1,40 | 1,80 | 2,00 | 2,20 | 2,40 | 3,00 | 3,80 |
| 125 | 0,16 | 0,25 | 0,28 | 0,75 | 1,05 | 1,50 | 1,90 | 2,10 | 2,40 | 2,50 | 3,20 | 4,00 |
| 160 | 0,25 | 0,40 | 0,32 | 0,80 | 1,10 | 1,60 | 2,00 | 2,20 | 2,50 | 3,20 | 4,00 | 5,00 |
| 200 | 0,40 | 0,63 | 0,42 | 1,00 | 1,40 | 2,00 | 2,50 | 2,80 | 3,20 | 4,00 | 5,00 | 6,30 |
| 250 | 0,56 | 1,00 | 0,56 | 1,25 | 1,80 | 2,50 | 3,20 | 3,60 | 4,00 | 5,00 | 6,30 | 8,00 |
| 320 | 0,75 | 1,60 | 0,75 | 1,60 | 2,20 | 3,20 | 4,00 | 4,50 | 5,00 | 6,30 | 8,00 | 10,00 |
| 400 | 1,00 | 2,00 | 1,00 | 2,00 | 2,80 | 4,00 | 5,00 | 5,60 | 6,30 | 8,00 | 10,00 | 12,50 |
| 500 | 1,30 | 2,50 | 1,30 | 2,50 | 3,60 | 5,00 | 6,30 | 7,10 | 8,00 | 10,00 | 12,50 | 16,00 |
| 630 | 1,80 | 3,20 | 1,80 | 3,20 | 4,50 | 6,30 | 8,00 | 9,00 | 10,00 | 12,50 | 16,00 | 20,00 |
| 800 | 2,40 | 4,00 | 2,40 | 4,00 | 5,60 | 8,00 | 10,00 | 11,00 | 12,50 | 16,00 | 20,00 | 25,00 |
| 1000 | 3,20 | 5,00 | 3,20 | 5,00 | 7,10 | 10,00 | 12,50 | 14,00 | 16,00 | 20,00 | 25,00 | 32,00 |



³⁾ Insulating materials I, II, IIIa

Creepage distances are not determined in this range. Insulation group IIIb is generally not recommended for pollution severity 3 with voltages > 630 V, and is never recommended for pollution severity 4.



The comparative tracking index must be determined according to DIN IEC 112/VDE 0303 part 1 on the basis of specially prepared samples with test solution A.

Slots are taken into account in the measurement of creepage distances when their minimum width x is dimensioned according to the following table:

| Minimum |
|------------|
| width x mm |
| 0,25 |
| 1,0 |
| 1,5 |
| 2,5 |
| |

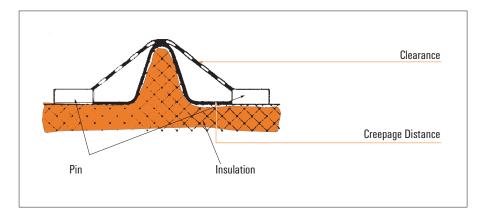
If the associated clearance is less than 3 mm, the minimum slot width can be reduced to 1/3 of the clearance.

Clearance and creepage distances

The maximum voltage to be applied to the connector depends on the distance between two connections.

Two distances have to be taken in account:

- Clearance = shortest distance between two conductive parts (in air)
- Creepage distance = distance along surface



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Measurement of clearance and creepage distances according to UL

The UL standard distinguishes between listed devices and registered components. So a component, such as a terminal, is the smallest product unit and, unlike a device, is not given a UL listing, but is registered. Components may be used as passive elements. In turn, a device consists of certified components which form a unit. It is an end product and designed for use as an active component. There are also different standards and test marks for devices and components, irrespective of where they are used.

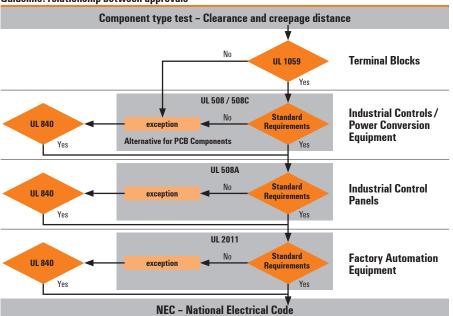
UL therefore sets different requirements for components and devices. Device connectivity components are subject to standard UL 1059, which is the accepted safety standard for terminal blocks and also applies to modular terminal blocks and plug-in connectors. Both are recognised as individual components in accordance with UL 1059. In the final application, the components are then assessed and approved in conjunction with a device.

There is also device approval in line with UL 61800-5-1: the standard for Adjustable Speed Electrical Power Drive Systems -Part 5-1: Safety Requirements - Electrical, Thermal and Energy" which applies to controlled power electronics drives.





Guideline: relationship between approvals



White Paper UL:

Webcode: #11359

We share our expertise: Find out detailed information and interesting facts about trend topics in the field of device connectivity in our

Whitepaper section.



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- Components
 Plug-in connector
 Terminal

Product standard

- Frequency converter

Application standard for industrial control cabinets

Factory automation for industrial control cabinets

Installation of production systems















UL 1059 Component approval for connection systems **UL 508** Standard for industrial switching devices

UL 61800-5-1 Standard for controlled drive systems

UL 508A Standard for switchgears **UL 2011** Standard for equipment in factories

Mandatory American safety standard for electrical installations

The UL 1059 standard distinguishes application groups for connection systems, i.e. for terminals and plug-in connectors, and gives a dedicated description of the requirements for clearance and creepage distances. Industrial requirements are specified for "Use Group" C and/or D.

| Application | Description | Potential involved in volts | Clearance distance (mm) | Creepage distance (mm) |
|-------------|-------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------|-----------------------------------|
| А | Operating elements, consoles, etc. | 150 300 600 | 12.7 19.1 25.4 | 19.1 31.8 50.8 |
| В | Commercial devices, including Office and Electronic Data processing equipment, etc. | 150 300 600 | 1.6 2.4 9.5 | 1.6 2.4 12.7 |
| С | Industrial, general | 150 300 600 | 3.2 6.4 9.5 | 6.4 9.5 12.7 |
| D | Industrial, devices having limited ratings | 300 600 | 1.6 4.8 | 3.2 9.5 |
| E | Connection technology for the 600 V1500 V voltage range | 601 - 1000 1001 - 1500 | 14 17.8 | 21.6 30.5 |
| F | Industrial Applications and equipment in accordance with UL 508, 508 C, 840 | 51 - 1500 | As defined in the device standard | As defined in the device standard |

Weidmüller ₹ W.21 2977770000

Weidmüller connectors in the reflow soldering process

The PCB assembly process has undergone a fundamental change in recent years. The conventional through-hole mounting technology (Through Hole Technology, THT) has been increasingly replaced by surface mounting technology (SMT). The reasons for this was the increasing demands of miniaturisation, higher functional density and lower manufacturing costs. The progress made in the development of surface mounted devices (SMD), that allowed the devlopment of the SMT manufacturing process in the first place has also played a role. SMT is now the accepted standard in PCB manufacturing. There are still some components, in the main electro-mechanical components like connectors or relays, which are not available in a SMD version, they are therefore mounted following the SMT process using the classical THT assembly onto the PCB. Weidmüller has developed a product range for the through hole reflow process (THR), that makes wired component parts usable in the SMT process and allows 100 % processing in the SMT production line.

Through-hole reflow is a process for linking THT components with the SMT reflow soldering process. In addition to just SMD assembly, the SMD components with THR can be placed onto the SMT printed-circuit board together with wired components and be soldered in the reflow process. The THR process was developed from the realisation that stable soldering connections are still necessary with heavy components such as coils or transformers, as well as wherever mechanical forces come to bear on the printed-circuit boards, (such as with connection terminals, plug-and-socket connectors or relay sockets). SMD soldered joints are less suited for heavy components under substantial mechanical stress.

A SMT compatible product is always a compromise between optimal SMT capability and the stability of the solder connection. THR ensures a stable connection of the THT components to the PCB using the push-through pins. At the same time this ensures 100 % compatibility with the SMT process.

Benefits of THR:

- stable connection to the PCB
- only one soldering process
- No longer a need for hand or wave soldering
- automatic assembly
- lower production costs



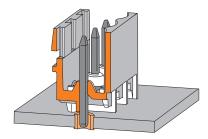
In order to use THR components in the SMT process, they must meet certain requirements.

Stability in a new dimension

Our pin headers are made of glass-fibre reinforced LCP (liquid crystal polymers). This guarantees a high level of shape stability. The material's excellent temperature characteristics and the built-in grid space are excellent for the SMT process as well as "lead-free soldering".

The benefits:

- · High temperature resistance
- Melting point of 335 °C
- Free from halogens
- · Low thermal expansion coefficient
- Should be processed without drying



Remains true even to the pitches

Weidmüller's makes its male headers SL-SMT from LCP (liquid crystal polymer) to prevent undesirable dimensional changes caused by water absorption during storage. This ensures the highest pitch accuracy, even at high pin counts and secures the placement process.



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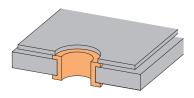
The basis for high quality, reliability and efficiency

THR technology

THR soldering process is the processing of components that are inserted through a hole in the PCB and then soldered along with the other SMT components. In this technology the components themselves must be able to withstand the higher temperatures of the SMT process.

Through hole technology in the SMT process

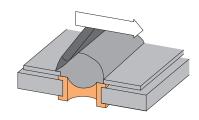
The placement process of PCBs has undergone a fundamental change in recent years. The conventional through hole mounting technique (THT) was increasingly replaced by the surface mounting process (SMT). SMT is now the accepted standard for PCB manufacture.



"Design in" - "Design out" from experience

Standard-process parameters help when drafting the printed-circuit board and template layout. Weidmüller recommends pin headers with short pins of 1.5 mm length. The following parameters have to be determined for the printed-circuit board design:

- · Mounting hole diameter
- Soldering terminal diameter
- Stencil hole diameter (with sufficient paste filling)
- Stencil hole diameter (with insufficient paste filling)

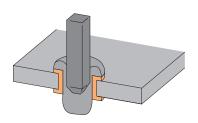


Paste printing - low volume in the best shape

Weidmüller SL-SMT pin headers have short octagonal pins with a chamfered pin end to keep the required paste volume as low as possible. Due to the pin length of just 1.5 mm for standard PCBs with a 1.6 mm thickness, an optimal solder joint shape can be achieved with a paste filling of approximately 90 %.

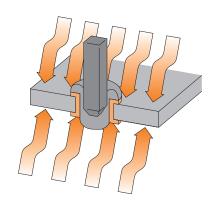
In addition, most normal one layer stencils for fine pitch techniques and the standard process parameters for squeegee speed and printing can be used. Unbeatable advantage: the paste is pushed out of the

placement hole during the placement process.



Assembly - short pins - great performance

Due to the shorter pins of 1.5 mm, you can have a higher packing volume for tape on reel or tray. This is also supported on the one side by the fact that SL-SMT male headers have a low profile, and also the reduced packaging height. Standard and anti-static packaging also allows fully automatic assembly with the commonly available Pick & Place systems. Outstanding advantages are offered by the short pins of the SL-SMT and the optimising of the travel height as well as the precision of the pin end position. Additionally, collisions between the components and the PCB can be completely avoided. At the same time, the SMT optimised male headers from Weidmüller increase the assembly strength due to their low weight.

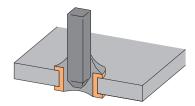


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Reflow solder - the material of the future

High temperature resistant, halogen free insulating material LCP (Liquid Crystal Polymer) has a melting point of 335 °C. It not only has high dimensional stability, but also good resistance to the heat of soldering. Our SL-SMT male headers made from LCP are future proof, and can be used in lead-free solder processes. This leads to another key advantage of LCP: though its low thermal expansion coefficient, the bending of an assembly following the soldering process is avoided.



Quality control - control is better

To determine the quality of the solder joints of the THR components with short or long pins, Weidmüller has chosen the quick and simple checking using optical inspection, or X-ray examination. This meets the requirements of the internationally recognised norms and standards.

Our specially designed SL-SMT male headers allow optical inspection of the primary side of a PCB even for varieties with 180° outlet direction. This meets the requirements for in-process quality control.

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N.24 Weidmüller ₹ 29777770000

Design recommendations for the through-hole reflow process

Solder paste volume and filling degree for 1.2 mm pin diameter.

The volume of paste and hence the degree of filling of the solder paste in the paste printing technology is critical for optimum soldering results in the SMT process. We recommend determining the quantity of solder paste as follows:

Volume of paste (or rather, degree of filling):

for solder joint filling and solder joint form within the tolerances to IPC-A610

| Male conn. (open and closed): | 2 to 8 poles | 9 to 24 poles |
|-------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|
| Male conn. (solder flange LF): | - | 2 to 24 poles |
| Recommended finished hole I.D. *1): | d _i = 1,4 ^{+0,1} mm | $d_{i} = 1,5^{+0,1} \text{ mm}$ |
| | Paste volume V _P [mm ³] / filling level f _p [%] a | fter stencil print |
| Minimum solder joint shape | 2,4 mm ³ / 70 % | 3,1 mm ³ / 85 % |
| Optimum solder joint shape | 2,9 mm ³ / 90 % | 3,5 mm ³ / 100 % |

Valid with the following parameters for all SL-SMT variations:

Male connector:

| Pin length | = L | [mm] | $= 1,5^{-0,3}$ |
|--------------|-----|------|----------------|
| Pin diameter | = d | [mm] | = 1,2 |

DCD.

| PCD: | | |
|------------------------------------|-----------------------------------|--------------------------|
| Thickness | = H [mm] | = 1,6 |
| Placement hole | | = metallised |
| Placement hole inner diameter ID | = d _i [mm] | = see table ¹ |
| Placement hole outer diameter OD | $= \mathbf{d}_{\mathbf{A}} [mm]$ | = 2,3 |
| Positioning tolerance to IEC 326-3 | | = very fine |

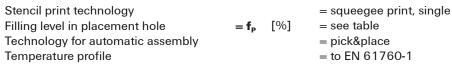
Stencil:

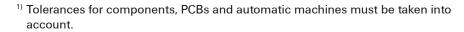
| Thickness | $= \mathbf{D_s} [\mu m]$ | = 120 - 180 |
|-----------------------|----------------------------------|-------------|
| Stencil hole diameter | $= \mathbf{d}_{\mathbf{a}}$ [mm] | $= 2.1^{2}$ |

Solder paste:

| Solder paste particle size | [µm] | = 20 - 40 = Type 3 |
|------------------------------------|------|--------------------|
| Evaporation volume of solder paste | [%] | = approx. 50 |

Process:

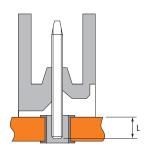




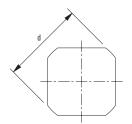
 $^{^{2)}}$ Stencil hole diameter approx. 10 % smaller than placement hole outer diameter $\mathbf{d_A}$

Recommendations for S2C-SMT and SC-SMT 3.81 see:

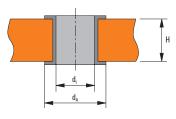
http://catalog.weidmueller.com



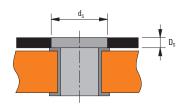
Male connector parameters



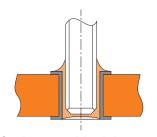
Pin cross-section



PCB parameters



Stencil parameters



Optimum solder joint form



Quality control

Quality control completes the SMT production process. The goal in this process step is, using appropriate techniques, to check the quality of the solder joints of the THR components with short or long pins quickly and easily. The quality control rules for the THR solder technique are the same as for flow or wave soldering of THT components.

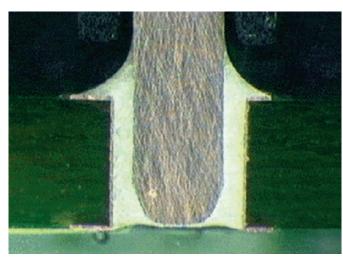
Control process:

The process quality control can be achieved by using various technologies. Currently optical or X-ray examination is mostly used. The optical examination evaluates the shape, reflectivity and colour of the solder joints.

In the manual process, a magnifying glass or microscope is used, in the automatic process a computer controlled camera and software based image analysis is used.

In X-ray inspection, however, radiographic evaluation using automated X-ray microscopy is carried out. An important control factor are destructive testing in addition to the inspection process. Random samples are taken and used to verify measurable quantities:

- Analysis of the filling behaviour by cutting through the solder joint
- Mechanical testing of the pin pull-out resistance from the contacts



Cutting through the THR solder joint with the short pin

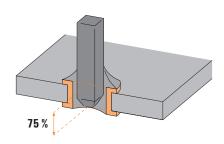


Norms and standards:

To make quality control more objective, norms and standards have been introduced over the recent years. In addition to other acceptance criteria for the manufacturing of electronic components, the quality control assessment criteria of the IPC-A-610E Norm are globally recognised.

According to IPC-A-610E quality requirements, THR solder joints are divided into three classes. For industrial applications where high power demands are made, Class 3 is the usual requirement. The following values are set for the five assessment criteria:

- The primary side solder wetting coverage (i.e. the insertion side from the view of the component), connection and sleeve should not be less than 270°.
- The vertical solder filling must be at least 75 %.



Measuring the filling level of through hole solder joints according to IPC-A-610E

- The secondary side solder wetting coverage (i.e. the underside from the view of the component) should not be less than 330°.
- Solder wetting of the solder pads (i.e. remains of the original ring of the THR solder joint) on the primary side is to be 0 %.
- Solder wetting of the solder pads on the secondary side must be at least 75 %.

These standards produce many demands on the wired components in the quality control. It should be noted that, in the THR process, there are typically two different construction types:

- Short pins when compared to the PCB thickness
- Longer pins when compared to the PCB thickness (about 1 to 1.5 mm protrusion)

For short pin construction there are the following requirements:

- The solder joints on the primary side of the PCB must be visible.
- For components with pins under the insulating body, the height of the component over the PCB must be sufficient to allow optical inspection.

For long pins, there are the following requirements:

- The solder joints on the secondary side must be visible.
- Solder joints on the primary side are, however, not required.

Additionally, in destructive testing with THR components there are requirements placed on the PCB itself. To control the quality of the PCB construction, the pull out strength of the solder pins from the solder joint is tested.

Required pull out strength:

- with short pins: approximately > 150 N.
- for long pins with a solder meniscus on the primary and secondary sides: approximately 220 N.

In comparison,

For surface connections for SMD components the required pull-out strength is only about 15 - 20 N.

According to IPC-A-610 Revision E-2010, section 7.3.3 the use of pins that are shorter than the PCB thickness is permissible in principle.

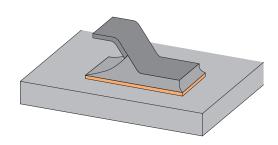


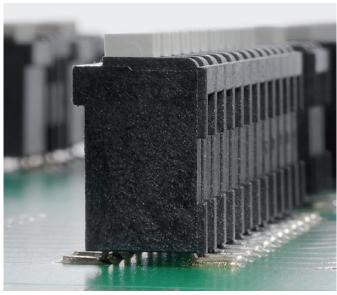
2977770000 **Weidmüller** ₹ **W.27**

OMNIMATE® Signal SMD goes one step further in the development of a conventional THR solder connection

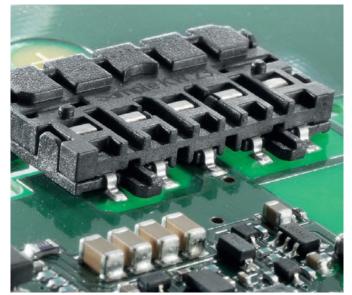
OMNIMATE® Signal terminals are now available as SMD components. Surface-mount connectors are increasingly being incorporated into standard SMT processes in electronic module production.

Solder pad design and co-planarity produce optimum holding forces on the printed circuit board and guarantee a secure connection.





LSF-SMD



CH20M bus contact block

The SMD PCB terminal, LSF-SMD, meets the needs of fully-automated PCB manufacturing processes.

This genuine SMD variant is a valuable addition to the existing range of reflow-capable LSF SMT PCB terminals, with THR soldering processes from Weidmüller. Applications on glass, ceramic or aluminium composite PCBs can now also be safely connected.

Benefits of the LSF for surface mounting

- All of our tape-on-reel product is supplied on industrystandard reels. Enhanced pick-and-place pads guarantee reliable positioning on the printed circuit board.
- With two solder pins per pole, the LSF-SMD printedcircuit board clamp meets the high demands made of mechanical fixing on the printed-circuit board without additional fastening flanges according to IPC-A-610 of class 2.
- Additional function space on rear of PCB. Use of our SMD products eliminates the need to through connect THR components, giving you more function space for two-sided mounting on the rear of the PCB with design-in.

SMD plug-in connectors are also used in the modular CH20M Housing. The bus contact block is resistant to high temperatures and, with its gold-plated springs, provides a secure and permanent connection to the system bus.

W

Conversion table

AWG to mm² conductors

AWG is the abbreviation for "American **W**ire **G**auge". This designation bears no resemblance to the actual cross-section of the conductor.

The relationship between AWG and mm² is shown in the following table.

| AWG | mm ² |
|-----|-----------------|
| 28 | 0.08 |
| 26 | 0.13 |
| 24 | 0.21 |
| 22 | 0.32 |
| 20 | 0.52 |
| 19 | 0.65 |
| 18 | 0.82 |
| 17 | 1.04 |
| 16 | 1.31 |
| 15 | 1.65 |
| 14 | 2.08 |
| 13 | 2.63 |
| 12 | 3.31 |
| 11 | 4.17 |
| 10 | 5.26 |
| 9 | 6.63 |
| 8 | 8.37 |
| 7 | 10.55 |
| 6 | 13.30 |
| 5 | 16.77 |
| 4 | 21.15 |
| 3 | 26.67 |
| 2 | 33.63 |
| 1 | 42.41 |
| 0 | 53.48 |

W

2977770000 **Weidmüller W.29**



W.30 Weidmüller ₹ 2977770000

Index

| ndex | Index Type | X.2 |
|------|---------------------|------|
| | Index Order No. | X.22 |
| | Addresses worldwide | X.44 |



2977770000 **Weidmüller ₹ X.1**

| Туре | Order No. Page | Туре | Order No. Page | Туре | Order No. Page | Туре | Order No. Page |
|------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------|------------------------------------|------------------------------------------------------------|------------------------------------|
| Λ | | B2L 3.50 AH24 BK BX | 1781650000 I.18 | BCF 3.81/12/180LR SN OR BX | 2442700000 J.55 | BCZ 3.81/04/270F SN OR BX | 1940480000 J.53 |
| ADP 10 | 4169320000 S.54 | B2L 3.50 AH26 BK BX B2L 3.50 AH30 BK BX | 1781660000 I.18 1781680000 I.18 | BCF 3.81/12/180LRZE SN OR BX BCF 3.81/12/180ZE SN OR BX | 2443050000 J.57 1235880000 J.56 | BCZ 3.81/04/90 SN OR BX BCZ 3.81/04/90F SN OR BX | 1939840000 J.52 1940000000 J.53 |
| ADP 11 | 4169330000 S.54 | B2L 3.50 AH32 BK BX | 1781690000 I.18 | BCL-SMT 3.81/02/180 1.5SN BK BX | 1976490000 J.60 | BCZ 3.81/05/180 SN OR BX | 1940760000 J.48 |
| ADP 5 ADP 6 | 4167150000 S.52 4167160000 S.52 | B2L 3.50 AH34 BK BX B2L 3.50 AH36 BK BX | 1781700000 I.18 1781710000 I.18 | BCL-SMT 3.81/02/180LFI 1.5SN BK BX BCL-SMT 3.81/02/90 1.5SN BK BX | 1029260000 J.61 1974750000 J.58 | BCZ 3.81/05/180F SN OR BX BCZ 3.81/05/180FZE SN OR BX | 1941040000 J.49 1236530000 J.51 |
| AP 100 BK | 1057540000 S.54 | B2L 3.50/06/180FQV3 SN BK BX | 1944670000 I.19 | BCL-SMT 3.81/02/90F 1.5SN BK BX | 1975690000 J.59 | BCZ 3.81/05/180LR SN OR BX | 2442320000 J.49 |
| AP 100 D BK AP 100 D GR | 1189870000 S.54 8817790000 S.54 | B2L 3.50/06/180LHQV3 SN BK BX B2L 3.50/06/180QV3 SN BK BX | 1944750000 I.19 1944590000 I.18 | BCL-SMT 3.81/02/90LFI 1.5SN BK BX BCL-SMT 3.81/03/180 1.5SN BK BX | 1028720000 J.59 1976500000 J.60 | BCZ 3.81/05/180LRZE SN OR BX BCZ 3.81/05/180ZE SN OR BX | 2442030000 J.51 1236270000 J.50 |
| AP 100 D OR | 1185160000 S.54 | B2L 3.50/08/180FQV4 SN BK BX B2L 3.50/08/180LHQV4 SN BK BX | 1944680000 I.19 1944760000 I.19 | BCL-SMT 3.81/03/180LFI 1.5SN BK BX BCL-SMT 3.81/03/90 1.5SN BK BX | 1029270000 J.61 1974770000 J.58 | BCZ 3.81/05/270 SN OR BX BCZ 3.81/05/270F SN OR BX | 1940220000 J.53 1940490000 J.53 |
| AP 100 GN AP 100 OR 1665 | 1028120000 S.54 1185060000 S.54 | B2L 3.50/08/180QV4 SN BK BX | 1944600000 I.18 | BCL-SMT 3.81/03/90F 1.5SN BK BX | 1975700000 J.59 | BCZ 3.81/05/90 SN OR BX | 1939860000 J.52 |
| AP 110 BK AP 110 D GY | 1189890000 S.54 1188660000 S.54 | B2L 3.50/10/180FQV5 SN BK BX B2L 3.50/10/180LHQV5 SN BK BX | 1944690000 I.19 1944770000 I.19 | BCL-SMT 3.81/03/90LFI 1.5SN BK BX BCL-SMT 3.81/04/180 1.5SN BK BX | 1028730000 J.59 1976520000 J.60 | BCZ 3.81/05/90F SN OR BX BCZ 3.81/06/180 SN OR BX | 1940010000 J.53 1940770000 J.48 |
| AP 110 D OR | 1185360000 S.54 | B2L 3.50/10/180QV5 SN BK BX | 1944610000 I.18 | BCL-SMT 3.81/04/180LFI 1.5SN BK BX | 1029280000 J.61 | BCZ 3.81/06/180F SN OR BX | 1941050000 J.49 |
| AP 110 OR AP 111 BK | 1185260000 S.54 1189900000 S.54 | B2L 3.50/12/180FQV6 SN BK BX B2L 3.50/12/180LHQV6 SN BK BX | 1944700000 I.19 1944780000 I.19 | BCL-SMT 3.81/04/90 1.5SN BK BX BCL-SMT 3.81/04/90F 1.5SN BK BX | 1974780000 J.58 1975710000 J.59 | BCZ 3.81/06/180FZE SN OR BX BCZ 3.81/06/180LR SN OR BX | 1236540000 J.51 2442330000 J.49 |
| AP 111 D BK | 1189880000 S.54 | B2L 3.50/12/180QV6 SN BK BX B2L 3.50/14/180FQV7 SN BK BX | 1944620000 I.18 1944710000 I.19 | BCL-SMT 3.81/04/90LFI 1.5SN BK BX BCL-SMT 3.81/05/180 1.5SN BK BX | 1028740000 J.59 1976530000 J.60 | BCZ 3.81/06/180LRZE SN OR BX BCZ 3.81/06/180ZE SN OR BX | 2442260000 J.51 1236280000 J.50 |
| AP 111 D OR AP 111 OR | 1185560000 S.54 1185460000 S.54 | B2L 3.50/14/180LHQV7 SN BK BX | 1944790000 I.19 | BCL-SMT 3.81/05/180LFI 1.5SN BK BX | 1029290000 J.61 | BCZ 3.81/06/270 SN OR BX | 1940230000 J.53 |
| AP 45/LI BK AP 45/LI DI GR | 2633690000 S.50 8140870000 S.50 | B2L 3.50/14/180QV7 SN BK BX B2L 3.50/16/180FQV8 SN BK BX PRT | 1944630000 I.18 1944720000 I.19 | BCL-SMT 3.81/05/90 1.5SN BK BX BCL-SMT 3.81/05/90F 1.5SN BK BX | 1974800000 J.58 1975730000 J.59 | BCZ 3.81/06/270F SN OR BX BCZ 3.81/06/90 SN OR BX | 1940500000 J.53 1939870000 J.52 |
| AP 45/LI GN | 2549690000 S.50 | B2L 3.50/16/180LHQV8 SN BK BX | 1944800000 I.19 | BCL-SMT 3.81/05/90LFI 1.5SN BK BX | 1028750000 J.59 | BCZ 3.81/06/90F SN OR BX | 1940020000 J.53 |
| AP 45/LI GR 2025 AP 45/LI OR 1665 | 8143910000 S.50 1011590000 S.50 | B2L 3.50/16/180QV8 SN BK BX B2L 3.50/18/180FQV9 SN BK BX | 1944640000 I.18 1944730000 I.19 | BCL-SMT 3.81/06/180 1.5SN BK BX BCL-SMT 3.81/06/180LFI 1.5SN BK BX | 1976550000 J.60 1029310000 J.61 | BCZ 3.81/07/180 SN OR BX BCZ 3.81/07/180F SN OR BX | 1940780000 J.48 1941060000 J.49 |
| AP 45/RE BK | 2633700000 S.50 | B2L 3.50/18/180LHQV9 SN BK BX | 1944810000 I.19 | BCL-SMT 3.81/06/90 1.5SN BK BX | 1974820000 J.58 | BCZ 3.81/07/180FZE SN OR BX | 1236570000 J.51 |
| AP 45/RE DI GR AP 45/RE GN | 8140860000 S.50 2549680000 S.50 | B2L 3.50/18/180QV9 SN BK BX B2L/S2L 3.50 K0 BK BX | 1944650000 I.18 1849740000 I.6 | BCL-SMT 3.81/06/90F 1.5SN BK BX BCL-SMT 3.81/06/90LFI 1.5SN BK BX | 1975740000 J.59 1028760000 J.59 | BCZ 3.81/07/180LR SN OR BX BCZ 3.81/07/180LRZE SN OR BX | 2442340000 J.49 2442210000 J.51 |
| AP 45/RE GR 2025 | 8143900000 \$.50 | B2L/S2L 3.50 K0 BK BX B2L/S2L 3.50 K0 BK BX | 1849740000 I.8 1849740000 I.10 | BCL-SMT 3.81/07/180 1.5SN BK BX BCL-SMT 3.81/07/180LFI 1.5SN BK BX | 1976570000 J.60 1029320000 J.61 | BCZ 3.81/07/180ZE SN OR BX BCZ 3.81/07/270 SN OR BX | 1236290000 J.50 1940240000 J.53 |
| AP 45/RE OR 1665 AP 80 D OR | 1011600000 S.50 1324360000 S.52 | B2L/S2L 3.50 K0 BK BX | 1849740000 I.12 | BCL-SMT 3.81/07/90 1.5SN BK BX | 1974840000 J.58 | BCZ 3.81/07/270F SN OR BX | 1940510000 J.53 |
| AP 80 GN AP 80 GR | 1378660000 S.52 8320300000 S.52 | B2L/S2L 3.50 K0 BK BX B2L/S2L 3.50 K0 BK BX | 1849740000 I.14 1849740000 I.16 | BCL-SMT 3.81/07/90F 1.5SN BK BX BCL-SMT 3.81/07/90LFI 1.5SN BK BX | 1975750000 J.59 1028770000 J.59 | BCZ 3.81/07/90 SN OR BX BCZ 3.81/07/90F SN OR BX | 1939880000 J.52 1940030000 J.53 |
| AP 80 OR | 1324260000 S.52 | B2L/S2L 3.50 K0 BK BX | 1849740000 I.18 | BCL-SMT 3.81/08/180 1.5SN BK BX | 1976580000 J.60 | BCZ 3.81/08/180 SN OR BX | 1940790000 J.48 |
| AP 85 D OR AP 85 OR | 1411060000 S.52 1410860000 S.52 | B2L/S2L 3.50 K0 BK BX B2L/S2L 3.50 K0 OR BX | 1849740000 M.10 1849730000 I.6 | BCL-SMT 3.81/08/180LFI 1.5SN BK BX BCL-SMT 3.81/08/90 1.5SN BK BX | 1029330000 J.61 1974850000 J.58 | BCZ 3.81/08/180F SN OR BX BCZ 3.81/08/180FZE SN OR BX | 1941070000 J.49 1236590000 J.51 |
| AP 86 D OR | 1411160000 S.52 | B2L/S2L 3.50 KO OR BX | 1849730000 I.8 | BCL-SMT 3.81/08/90F 1.5SN BK BX | 1975760000 J.59 | BCZ 3.81/08/180LR SN OR BX | 2442380000 J.49 |
| AP 86 OR AP 90 BK 2029 | 1410960000 S.52 1168820000 S.53 | B2L/S2L 3.50 KO OR BX B2L/S2L 3.50 KO OR BX | 1849730000 I.10 1849730000 I.12 | BCL-SMT 3.81/08/90LFI 1.5SN BK BX BCL-SMT 3.81/09/180 1.5SN BK BX | 1028790000 J.59 1976590000 J.60 | BCZ 3.81/08/180LRZE SN OR BX BCZ 3.81/08/180ZE SN OR BX | 2442290000 J.51 1236300000 J.50 |
| AP 90 GN 2043 | 1504790000 S.53 | B2L/S2L 3.50 KO OR BX B2L/S2L 3.50 KO OR BX | 1849730000 I.14 1849730000 I.16 | BCL-SMT 3.81/09/180LFI 1.5SN BK BX BCL-SMT 3.81/09/90 1.5SN BK BX | 1029340000 J.61 1974880000 J.58 | BCZ 3.81/08/270 SN OR BX BCZ 3.81/08/270F SN OR BX | 1940250000 J.53 1940520000 J.53 |
| AP 90 GR AP 90 OR | 1961890000 S.53 1961880000 S.53 | B2L/S2L 3.50 KO OR BX | 1849730000 I.18 | BCL-SMT 3.81/09/90F 1.5SN BK BX | 1975780000 J.59 | BCZ 3.81/08/90 SN OR BX | 1939890000 J.52 |
| AP MCZ1.5 1674 AP RF 122 LI OR | 8389030000 S.45 1020640000 S.55 | B2L/S2L 3.50 KO OR BX BBDF BK | 1849730000 M.10 1307580000 M.6 | BCL-SMT 3.81/09/90LFI 1.5SN BK BX BCL-SMT 3.81/10/180 1.5SN BK BX | 1028810000 J.59 1976610000 J.60 | BCZ 3.81/08/90F SN OR BX BCZ 3.81/09/180 SN OR BX | 1940040000 J.53 1940800000 J.48 |
| AP RF 122 RE OR | 1020650000 S.55 | BBDF OR | 1307570000 M.6 | BCL-SMT 3.81/10/180LFI 1.5SN BK BX | 1029350000 J.61 | BCZ 3.81/09/180F SN OR BX | 1941080000 J.49 |
| AP RF 80 LI 2025 AP RF 80 RE 2025 | 8156210000 S.52 8156200000 S.52 | BCF 3.81/02/180 SN OR BX BCF 3.81/02/180F SN OR BX | 1969090000 J.54 1970300000 J.55 | BCL-SMT 3.81/10/90 1.5SN BK BX BCL-SMT 3.81/10/90F 1.5SN BK | 1974890000 J.58 1975790000 J.59 | BCZ 3.81/09/180FZE SN OR BX BCZ 3.81/09/180LR SN OR BX | 1236600000 J.51 2442390000 J.49 |
| _ | | BCF 3.81/02/180LR SN OR BX | 2442040000 J.55 | BCL-SMT 3.81/10/90LFI 1.5SN BK BX | 1028820000 J.59 | BCZ 3.81/09/180LRZE SN OR BX | 2442300000 J.51 |
| В | | BCF 3.81/03/180 SN OR BX BCF 3.81/03/180F SN OR BX | 1969100000 J.54 1970330000 J.55 | BCL-SMT 3.81/11/180 1.5SN BK BX BCL-SMT 3.81/11/180LFI 1.5SN BK BX | 1976620000 J.60 1029360000 J.61 | BCZ 3.81/09/180ZE SN OR BX BCZ 3.81/09/270 SN OR BX | 1236320000 J.50 1940260000 J.53 |
| B2CF 3.50/04/180 SN OR BX B2CF 3.50/04/180F SN OR BX | 1277270000 I.12 1277650000 I.13 | BCF 3.81/03/180LR SN OR BX BCF 3.81/04/180 SN OR BX | 2442610000 J.55 1969110000 J.54 | BCL-SMT 3.81/11/90 1.5SN BK BX BCL-SMT 3.81/11/90F 1.5SN BK | 1974910000 J.58 1975820000 J.59 | BCZ 3.81/09/270F SN OR BX BCZ 3.81/09/90 SN OR BX | 1940530000 J.53 1939900000 J.52 |
| B2CF 3.50/04/180LR SN OR BX | 1278040000 I.13 | BCF 3.81/04/180F SN OR BX | 1970370000 J.55 | BCL-SMT 3.81/11/90LFI 1.5SN BK BX | 1028830000 J.59 | BCZ 3.81/09/90F SN OR BX | 1940050000 J.53 |
| B2CF 3.50/06/180 SN OR BX B2CF 3.50/06/180F SN OR BX | 1277280000 I.12 1277670000 I.13 | BCF 3.81/04/180LR SN OR BX BCF 3.81/05/180 SN OR BX | 2442620000 J.55 1969120000 J.54 | BCL-SMT 3.81/12/180 1.5SN BK BX BCL-SMT 3.81/12/180LFI 1.5SN BK BX | 1976640000 J.60 1029370000 J.61 | BCZ 3.81/10/180 SN OR BX BCZ 3.81/10/180F SN OR BX | 1940810000 J.48 1941090000 J.49 |
| B2CF 3.50/06/180LR SN OR BX | 1278050000 I.13 | BCF 3.81/05/180F SN OR BX | 1970380000 J.55 1235970000 J.57 | BCL-SMT 3.81/12/90 1.5SN BK BX BCL-SMT 3.81/12/90F 1.5SN BK | 1974930000 J.58 1975830000 J.59 | BCZ 3.81/10/180FZE SN OR BX BCZ 3.81/10/180LR SN OR BX | 1236610000 J.51 2442400000 J.49 |
| B2CF 3.50/08/180 SN OR BX B2CF 3.50/08/180F SN OR BX | 1277290000 I.12 1277680000 I.13 | BCF 3.81/05/180FZE SN OR BX BCF 3.81/05/180LR SN OR BX | 2442630000 J.55 | BCL-SMT 3.81/12/90LFI 1.5SN BK BX | 1028840000 J.59 | BCZ 3.81/10/180LRZE SN OR BX | 2442240000 J.51 |
| B2CF 3.50/08/180LR SN OR BX B2CF 3.50/10/180 SN OR BX | 1278060000 I.13 1277310000 I.12 | BCF 3.81/05/180LRZE SN OR BX BCF 3.81/05/180ZE SN OR BX | 2442960000 J.57 1235790000 J.56 | BCZ 3.81 AH03 BK BX BCZ 3.81 AH03 BK BX | 1005280000 J.48 1005280000 M.4 | BCZ 3.81/10/180ZE SN OR BX BCZ 3.81/10/270 SN OR BX | 1236330000 J.50 1940270000 J.53 |
| B2CF 3.50/10/180F SN OR BX | 1277690000 I.13 | BCF 3.81/06/180 SN OR BX | 1969130000 J.54 | BCZ 3.81 AH04 BK BX | 1005290000 J.48 | BCZ 3.81/10/270F SN OR BX | 1940540000 J.53 |
| B2CF 3.50/10/180LR SN OR BX B2CF 3.50/12/180 SN OR BX | 1278070000 I.13 1277320000 I.12 | BCF 3.81/06/180F SN OR BX BCF 3.81/06/180FZE SN OR BX | 1970400000 J.55 1235980000 J.57 | BCZ 3.81 AH04 BK BX BCZ 3.81 AH05 BK BX | 1005290000 M.4 1005300000 J.48 | BCZ 3.81/10/90 SN OR BX BCZ 3.81/10/90F SN OR BX | 1939910000 J.52 1940060000 J.53 |
| B2CF 3.50/12/180F SN OR BX | 1277720000 I.13 | BCF 3.81/06/180LR SN OR BX | 2442640000 J.55 | BCZ 3.81 AH05 BK BX BCZ 3.81 AH06 BK BX | 1005300000 M.4 1005310000 J.48 | BCZ 3.81/11/180 SN OR BX BCZ 3.81/11/180F SN OR BX | 1940820000 J.48 1941100000 J.49 |
| B2CF 3.50/12/180LR SN OR BX B2CF 3.50/12/180ZE SN OR BX | 1278080000 I.13 2730830000 I.13 | BCF 3.81/06/180LRZE SN OR BX BCF 3.81/06/180ZE SN OR BX | 2443010000 J.57 1235800000 J.56 | BCZ 3.81 AH06 BK BX | 1005310000 J.48 | BCZ 3.81/11/180FZE SN OR BX | 1236620000 J.51 |
| B2CF 3.50/14/180 SN OR BX B2CF 3.50/14/180F SN OR BX | 1277330000 I.12 1277730000 I.13 | BCF 3.81/07/180 SN OR BX BCF 3.81/07/180F SN OR BX | 1969140000 J.54 1970440000 J.55 | BCZ 3.81 AH07 BK BX BCZ 3.81 AH07 BK BX | 1005320000 J.48 1005320000 M.4 | BCZ 3.81/11/180LR SN OR BX BCZ 3.81/11/180LRZE SN OR BX | 2442350000 J.49 2442220000 J.51 |
| B2CF 3.50/14/180LR SN OR BX | 1278090000 I.13 | BCF 3.81/07/180FZE SN OR BX | 1235990000 J.57 | BCZ 3.81 AH08 BK BX | 1005330000 J.48 | BCZ 3.81/11/180ZE SN OR BX | 1236340000 J.50 |
| B2CF 3.50/14/180ZE SN OR BX B2CF 3.50/16/180 SN OR BX | 2730900000 I.13 1277340000 I.12 | BCF 3.81/07/180LR SN OR BX BCF 3.81/07/180LRZE SN OR BX | 2442650000 J.55 2443060000 J.57 | BCZ 3.81 AH08 BK BX BCZ 3.81 AH09 BK BX | 1005330000 M.4 1005340000 J.48 | BCZ 3.81/11/270 SN OR BX BCZ 3.81/11/270F SN OR BX | 1940280000 J.53 1940550000 J.53 |
| B2CF 3.50/16/180F SN OR BX | 1277740000 I.13 | BCF 3.81/07/180ZE SN OR BX | 1235810000 J.56 | BCZ 3.81 AH09 BK BX | 1005340000 M.4 | BCZ 3.81/11/90 SN OR BX | 1939920000 J.52 |
| B2CF 3.50/16/180LR SN OR BX B2CF 3.50/16/180ZE SN OR BX | 1278100000 I.13 3021270000 I.13 | BCF 3.81/08/180 SN OR BX BCF 3.81/08/180F SN OR BX | 1969150000 J.54 1970550000 J.55 | BCZ 3.81 AH10 BK BX BCZ 3.81 AH10 BK BX | 1005350000 J.48 1005350000 M.4 | BCZ 3.81/11/90F SN OR BX BCZ 3.81/12/180 SN OR BX | 1940070000 J.53 1940830000 J.48 |
| B2CF 3.50/18/180 SN OR BX B2CF 3.50/18/180F SN OR BX | 1277350000 I.12 1277750000 I.13 | BCF 3.81/08/180FZE SN OR BX BCF 3.81/08/180LR SN OR BX | 1236000000 J.57 2442660000 J.55 | BCZ 3.81 AH11 BK BX BCZ 3.81 AH12 BK BX | 1005360000 M.4 1005370000 J.48 | BCZ 3.81/12/180F SN OR BX BCZ 3.81/12/180FZE SN OR BX | 1941110000 J.49 1236630000 J.51 |
| B2CF 3.50/18/180LR SN OR BX | 1277750000 I.13 1278110000 I.13 | BCF 3.81/08/180LRZE SN OR BX | 2443020000 J.57 | BCZ 3.81 AH12 BK BX | 1005370000 M.4 | BCZ 3.81/12/180LR SN OR BX | 2442410000 J.49 |
| B2CF 3.50/18/180ZE SN OR BX B2CF 3.50/20/180 SN OR BX | 3021310000 I.13 1277360000 I.12 | BCF 3.81/08/180ZE SN OR BX BCF 3.81/09/180 SN OR BX | 1235820000 J.56 1969160000 J.54 | BCZ 3.81 AH13 BK BX BCZ 3.81 AH14 BK BX | 1005380000 J.48 1005390000 J.48 | BCZ 3.81/12/180LRZE SN OR BX BCZ 3.81/12/180ZE SN OR BX | 2442270000 J.51 1236370000 J.50 |
| B2CF 3.50/20/180F SN OR BX | 1277760000 I.13 | BCF 3.81/09/180F SN OR BX | 1970570000 J.55 | BCZ 3.81 AH15 BK BX | 1005400000 J.48 | BCZ 3.81/12/270 SN OR BX | 1940290000 J.53 |
| B2CF 3.50/20/180LR SN OR BX B2CF 3.50/20/180ZE SN OR BX | 1278120000 I.13 3021330000 I.13 | BCF 3.81/09/180FZE SN OR BX BCF 3.81/09/180LR SN OR BX | 1236010000 J.57 2442670000 J.55 | BCZ 3.81 AH16 BK BX BCZ 3.81/02/180 SN OR BX | 1005410000 J.48 1940730000 J.48 | BCZ 3.81/12/270F SN OR BX BCZ 3.81/12/90 SN OR BX | 1940560000 J.53 1939930000 J.52 |
| B2CF 3.50/22/180 SN OR BX | 1277370000 I.12 | BCF 3.81/09/180LRZE SN OR BX BCF 3.81/09/180ZE SN OR BX | 2443030000 J.57 1235830000 J.56 | BCZ 3.81/02/180F SN OR BX BCZ 3.81/02/180LR SN OR BX | 1941010000 J.49 2442360000 J.49 | BCZ 3.81/12/90F SN OR BX BHF 5.00/02/180LH BK/BK | 1940080000 J.53 1497740000 S.37 |
| B2CF 3.50/22/180F SN OR BX B2CF 3.50/22/180LR SN OR BX | 1277770000 I.13 1278130000 I.13 | BCF 3.81/10/180 SN OR BX | 1969170000 J.54 | BCZ 3.81/02/270 SN OR BX | 1940190000 J.53 | BHF 5.00/02/180LH BK/BL | 1989220000 S.37 |
| B2CF 3.50/22/180ZE SN OR BX B2CF 3.50/24/180 SN OR BX | 3021340000 I.13 1277380000 I.12 | BCF 3.81/10/180F SN OR BX BCF 3.81/10/180FZE SN OR BX | 1970580000 J.55 1236020000 J.57 | BCZ 3.81/02/270F SN OR BX BCZ 3.81/02/90 SN OR BX | 1940460000 J.53 1939820000 J.52 | BHF 5.00/02/180LH BK/OR BHF 5.00/03/180LH BK/BK | 1988380000 S.36 1497670000 S.37 |
| B2CF 3.50/24/180F SN OR BX | 1277780000 I.13 | BCF 3.81/10/180LR SN OR BX | 2442680000 J.55 | BCZ 3.81/02/90F SN OR BX | 1939980000 J.53 | BHF 5.00/03/180LH BK/BL | 1989200000 S.37 |
| B2CF 3.50/24/180LR SN OR BX B2CF 3.50/24/180ZE SN OR BX | 1278140000 I.13 3021350000 I.13 | BCF 3.81/10/180LRZE SN OR BX BCF 3.81/10/180ZE SN OR BX | 2442910000 J.57 1235840000 J.56 | BCZ 3.81/03/180 SN OR BX BCZ 3.81/03/180F SN OR BX | 1940740000 J.48 1941020000 J.49 | BHF 5.00/03/180LH BK/0R BHF 5.00/04/180LH BK/BK | 1989210000 S.36 1497500000 S.37 |
| B2L 3.50 AH06 BK BX | 1781560000 I.18 | BCF 3.81/11/180 SN OR BX | 1969180000 J.54 | BCZ 3.81/03/180LR SN OR BX | 2442370000 J.49 | BHF 5.00/04/180LH BK/BL | 1989090000 S.37 |
| B2L 3.50 AH08 BK BX B2L 3.50 AH10 BK BX | 1781570000 I.18 1781580000 I.18 | BCF 3.81/11/180F SN OR BX BCF 3.81/11/180FZE SN OR BX | 1970620000 J.55 1236030000 J.57 | BCZ 3.81/03/270 SN OR BX BCZ 3.81/03/270F SN OR BX | 1940200000 J.53 1940470000 J.53 | BHF 5.00/04/180LH BK/OR BHZ 5.00/02/90LH BK/BK | 1989190000 S.36 1069330000 S.37 |
| B2L 3.50 AH12 BK BX | 1781590000 I.18 | BCF 3.81/11/180LR SN OR BX BCF 3.81/11/180LRZE SN OR BX | 2442690000 J.55 2442920000 J.57 | BCZ 3.81/03/90 SN OR BX BCZ 3.81/03/90F SN OR BX | 1939830000 J.52 1939990000 J.53 | BHZ 5.00/02/90LH BK/BL BHZ 5.00/02/90LH BK/OR | 1069360000 S.37 1063260000 S.36 |
| B2L 3.50 AH14 BK BX B2L 3.50 AH16 BK BX | 1781600000 I.18 1781610000 I.18 | BCF 3.81/11/180ZE SN OR BX | 1235870000 J.56 | BCZ 3.81/04/180 SN OR BX | 1940750000 J.48 | BHZ 5.00/03/90LH BK/BK | 1069340000 S.37 |
| B2L 3.50 AH18 BK BX B2L 3.50 AH20 BK BX | 1781620000 I.18 1781630000 I.18 | BCF 3.81/12/180 SN OR BX BCF 3.81/12/180F SN OR BX | 1969190000 J.54 1970650000 J.55 | BCZ 3.81/04/180F SN OR BX BCZ 3.81/04/180LR SN OR BX | 1941030000 J.49 2442310000 J.49 | BHZ 5.00/03/90LH BK/BL BHZ 5.00/03/90LH BK/OR | 1069370000 S.37 1063270000 S.36 |
| B2L 3.50 AH22 BK BX | 1781640000 I.18 | BCF 3.81/12/180FZE SN OR BX | 1236040000 J.57 | BCZ 3.81/04/270 SN OR BX | 1940210000 J.53 | BHZ 5.00/04/90LH BK/BK | 1069350000 S.37 |
| | | | | | | | |

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| BHZ 5.00/04/90LH BK/BL | 1069380000 S.37 | BL 3.50/11/270F SN OR BX | 1640020000 I.51 | BLC 5.08/09/180R OR BX | 1610560000 K.116 | BLF 5.00HC/04/90F SN OR BX | 1980660000 K.49 |
| BHZ 5.00/04/90LH BK/OR | 1063280000 S.36 | BL 3.50/11/90 SN OR BX | 1638640000 I.50 | BLC 5.08/10/180BR OR BX | 1649450000 K.117 | BLF 5.00HC/04/90LR SN OR BX | 1980890000 K.49 |
| BL 3.50 AH03 BK BX BL 3.50 AH03 BK BX | 1745580000 I.48 1745580000 M.4 | BL 3.50/11/90F SN OR BX BL 3.50/12/180 SN OR BX | 1639100000 I.51 1597460000 I.48 | BLC 5.08/10/180R OR BX BLC 5.08/11/180BR OR BX | 1610570000 K.116 1649460000 K.117 | BLF 5.00HC/05/180 SN OR BX BLF 5.00HC/05/180F SN OR BX | 1017890000 K.46 1017450000 K.47 |
| BL 3.50 AH04 BK BX | 1745590000 I.48 | BL 3.50/12/180F SN OR BX | 1606740000 I.49 | BLC 5.08/11/180R OR BX | 1610580000 K.116 | BLF 5.00HC/05/180LR SN OR BX | 1016370000 K.47 |
| BL 3.50 AH04 BK BX | 1745590000 M.4 | BL 3.50/12/180LR SN OR BX | 1531100000 I.49 | BLC 5.08/12/180BR OR BX | 1649470000 K.117 | BLF 5.00HC/05/90 SN OR BX | 1980200000 K.48 |
| BL 3.50 AH05 BK BX BL 3.50 AH05 BK BX | 1745600000 I.48 1745600000 M.4 | BL 3.50/12/270 SN OR BX BL 3.50/12/270F SN OR BX | 1639570000 I.51 1640030000 I.51 | BLC 5.08/12/180R OR BX BLDF 5.08/02/180 SN OR BX | 1610590000 K.116 1001150000 K.114 | BLF 5.00HC/05/90F SN OR BX BLF 5.00HC/05/90LR SN OR BX | 1980670000 K.49 1980900000 K.49 |
| BL 3.50 AH06 BK BX | 1745610000 I.48 | BL 3.50/12/90 SN OR BX | 1638650000 I.50 | BLDF 5.08/02/180F SN OR BX | 1001220000 K.115 | BLF 5.00HC/06/180 SN OR BX | 1017910000 K.46 |
| BL 3.50 AH06 BK BX BL 3.50 AH07 BK BX | 1745610000 M.4 1745620000 I.48 | BL 3.50/12/90F SN OR BX BL SL 3.5 KO OR | 1639110000 I.51 1693430000 I.30 | BLDF 5.08/02/180LR SN OR BX BLDF 5.08/03/180 SN OR BX | 1065130000 K.115 1001160000 K.114 | BLF 5.00HC/06/180F SN OR BX BLF 5.00HC/06/180LR SN OR BX | 1017470000 K.47 1016380000 K.47 |
| BL 3.50 AH07 BK BX | 1745620000 1.46 | BL SL 3.5 KO OR | 1693430000 I.32 | BLDF 5.08/03/180F SN OR BX | 1012060000 K.114 | BLF 5.00HC/06/90 SN OR BX | 1980210000 K.47 |
| BL 3.50 AH08 BK BX | 1745630000 I.48 | BL SL 3.5 KO OR | 1693430000 I.34 | BLDF 5.08/03/180LR SN OR BX | 1065140000 K.115 | BLF 5.00HC/06/90F SN OR BX | 1980680000 K.49 |
| BL 3.50 AH08 BK BX BL 3.50 AH09 BK BX | 1745630000 M.4 1745640000 I.48 | BL SL 3.5 KO OR BL SL 3.5 KO OR | 1693430000 I.36 1693430000 I.38 | BLDF 5.08/04/180 SN OR BX BLDF 5.08/04/180F SN OR BX | 1001170000 K.114 1059420000 K.115 | BLF 5.00HC/06/90LR SN OR BX BLF 5.00HC/07/180 SN OR BX | 1980910000 K.49 1017920000 K.46 |
| BL 3.50 AH09 BK BX | 1745640000 M.4 | BL SL 3.5 KO OR | 1693430000 I.40 | BLDF 5.08/04/180LR SN OR BX | 1065150000 K.115 | BLF 5.00HC/07/180F SN OR BX | 1017480000 K.47 |
| BL 3.50 AH10 BK BX BL 3.50 AH10 BK BX | 1745650000 I.48 | BL SL 3.5 KO OR | 1693430000 I.41 1693430000 I.42 | BLDF 5.08/05/180 SN OR BX | 1001180000 K.114 | BLF 5.00HC/07/180LR SN OR BX BLF 5.00HC/07/90 SN OR BX | 1016390000 K.47 |
| BL 3.50 AH11 BK BX | 1745650000 M.4 1745660000 I.48 | BL SL 3.5 KO OR BL SL 3.5 KO OR | 1693430000 I.42 1693430000 I.44 | BLDF 5.08/05/180F SN OR BX BLDF 5.08/05/180LR SN OR BX | 1065080000 K.115 1065160000 K.115 | BLF 5.00HC/07/90F SN OR BX | 1980220000 K.48 1980690000 K.49 |
| BL 3.50 AH11 BK BX | 1745660000 M.4 | BL SL 3.5 KO OR | 1693430000 I.46 | BLDF 5.08/06/180 SN OR BX | 1001190000 K.114 | BLF 5.00HC/07/90LR SN OR BX | 1980920000 K.49 |
| BL 3.50 AH12 BK BX BL 3.50 AH12 BK BX | 1745670000 I.48 1745670000 M.4 | BL SL 3.5 KO OR BL SL 3.5 KO OR | 1693430000 I.48 1693430000 I.50 | BLDF 5.08/06/180F SN OR BX BLDF 5.08/06/180LR SN OR BX | 1065090000 K.115 1065170000 K.115 | BLF 5.00HC/08/180 SN OR BX BLF 5.00HC/08/180F SN OR BX | 1017930000 K.46 1017490000 K.47 |
| BL 3.50 AH13 BK BX | 1745680000 I.48 | BL SL 3.5 KO OR | 1693430000 I.54 | BLDF 5.08/07/180 SN OR BX | 1001200000 K.114 | BLF 5.00HC/08/180LR SN OR BX | 1016410000 K.47 |
| BL 3.50 AH14 BK BX | 1745690000 I.48 | BL SL 3.5 KO OR | 1693430000 I.56 | BLDF 5.08/07/180F SN OR BX | 1065110000 K.115 | BLF 5.00HC/08/90 SN OR BX | 1980230000 K.48 |
| BL 3.50 AH15 BK BX BL 3.50 AH16 BK BX | 1745700000 I.48 1745710000 I.48 | BL SL 3.5 KO OR BL SL 3.5 KO OR | 1693430000 I.58 1693430000 I.60 | BLDF 5.08/07/180LR SN OR BX BLDF 5.08/08/180 SN OR BX | 1065180000 K.115 1001210000 K.114 | BLF 5.00HC/08/90F SN OR BX BLF 5.00HC/08/90LR SN OR BX | 1980700000 K.49 1980930000 K.49 |
| BL 3.50 ZE03 BK BX | 1627820000 I.12 | BL SL 3.5 KO OR | 1693430000 I.62 | BLDF 5.08/08/180F SN OR BX | 1065120000 K.115 | BLF 5.00HC/09/180 SN OR BX | 1017950000 K.46 |
| BL 3.50 ZE03 BK BX BL 3.50 ZE03 OR BX | 1627820000 I.48 1629680000 I.12 | BL SL 3.5 KO OR BL SL 3.5 KO SW | 1693430000 M.10 1610100000 I.30 | BLDF 5.08/08/180LR SN OR BX BLF 2.50/02/180 SN BK BX | 1065190000 K.115 2438860000 H.8 | BLF 5.00HC/09/180F SN OR BX BLF 5.00HC/09/180LR SN OR BX | 1017510000 K.47 1016420000 K.47 |
| BL 3.50 ZE03 OR BX | 1629680000 I.48 | BL SL 3.5 KO SW | 1610100000 I.30 1610100000 I.32 | BLF 2.50/02/180 SN BK BX | 2438860000 H.8 2439650000 H.8 | BLF 5.00HC/09/90 SN OR BX | 1980240000 K.47 |
| BL 3.50 ZE08 OR BX | 1629690000 I.12 | BL SL 3.5 KO SW | 1610100000 I.34 | BLF 2.50/04/180 SN BK BX | 2439670000 H.8 | BLF 5.00HC/09/90F SN OR BX | 1980710000 K.49 |
| BL 3.50 ZE08 OR BX BL 3.50/02/180 SN OR BX | 1629690000 I.48 1597360000 I.48 | BL SL 3.5 KO SW BL SL 3.5 KO SW | 1610100000 I.36 1610100000 I.38 | BLF 2.50/05/180 SN BK BX BLF 2.50/06/180 SN BK BX | 2439680000 H.8 2439690000 H.8 | BLF 5.00HC/09/90LR SN OR BX BLF 5.00HC/10/180 SN OR BX | 1980940000 K.49 1017960000 K.46 |
| BL 3.50/02/180F SN OR BX | 1606640000 I.49 | BL SL 3.5 KO SW | 1610100000 I.40 | BLF 2.50/07/180 SN BK BX | 2439700000 H.8 | BLF 5.00HC/10/180F SN OR BX | 1017520000 K.47 |
| BL 3.50/02/180LR SN OR BX | 1530990000 I.49 | BL SL 3.5 KO SW | 1610100000 I.41 | BLF 2.50/08/180 SN BK BX | 2439710000 H.8 | BLF 5.00HC/10/180LR SN OR BX | 1016430000 K.47 |
| BL 3.50/02/270 SN OR BX BL 3.50/02/270F SN OR BX | 1639470000 I.51 1639930000 I.51 | BL SL 3.5 KO SW BL SL 3.5 KO SW | 1610100000 I.42 1610100000 I.44 | BLF 2.50/09/180 SN BK BX BLF 2.50/10/180 SN BK BX | 2439720000 H.8 2439730000 H.8 | BLF 5.00HC/10/90 SN OR BX BLF 5.00HC/10/90F SN OR BX | 1980250000 K.48 1980720000 K.49 |
| BL 3.50/02/90 SN OR BX | 1638550000 I.50 | BL SL 3.5 KO SW | 1610100000 I.46 | BLF 2.50/11/180 SN BK BX | 2439740000 H.8 | BLF 5.00HC/10/90LR SN OR BX | 1980950000 K.49 |
| BL 3.50/02/90F SN OR BX | 1639010000 I.51 | BL SL 3.5 KO SW | 1610100000 I.48 | BLF 2.50/12/180 SN BK BX | 2439750000 H.8 | BLF 5.00HC/11/180 SN OR BX | 1017970000 K.46 |
| BL 3.50/03/180 SN OR BX BL 3.50/03/180F SN OR BX | 1597370000 I.48 1606650000 I.49 | BL SL 3.5 KO SW BL SL 3.5 KO SW | 1610100000 I.50 1610100000 I.54 | BLF 3.50/02/180 SN OR BX BLF 3.50/02/180F SN OR BX | 2458950000 I.52 2459390000 I.53 | BLF 5.00HC/11/180F SN OR BX BLF 5.00HC/11/180LR SN OR BX | 1017530000 K.47 1016440000 K.47 |
| BL 3.50/03/180LR SN OR BX | 1531000000 I.49 | BL SL 3.5 KO SW | 1610100000 I.56 | BLF 3.50/02/180LR SN OR BX | 2459680000 I.53 | BLF 5.00HC/11/90 SN OR BX | 1980260000 K.48 |
| BL 3.50/03/270 SN OR BX BL 3.50/03/270F SN OR BX | 1639480000 I.51 1639940000 I.51 | BL SL 3.5 KO SW BL SL 3.5 KO SW | 1610100000 I.58 1610100000 I.60 | BLF 3.50/02/180QV SN OR BX BLF 3.50/03/180 SN OR BX | 2460150000 I.53 2459060000 I.52 | BLF 5.00HC/11/90F SN OR BX BLF 5.00HC/11/90LR SN OR BX | 1980730000 K.49 1980960000 K.49 |
| BL 3.50/03/90 SN OR BX | 1638560000 I.50 | BL SL 3.5 KO SW | 1610100000 I.62 | BLF 3.50/03/180F SN OR BX | 2459400000 1.53 | BLF 5.00HC/12/180 SN OR BX | 1017980000 K.46 |
| BL 3.50/03/90F SN OR BX | 1639020000 I.51 | BL SL 3.5 KO SW | 1610100000 M.10 | BLF 3.50/03/180LR SN OR BX | 2459690000 I.53 | BLF 5.00HC/12/180F SN OR BX | 1017540000 K.47 |
| BL 3.50/04/180 SN OR BX BL 3.50/04/180F SN OR BX | 1597380000 I.48 1606660000 I.49 | BL-I/O 3.50/10/180LR NPN LED SN BK BX BL-I/O 3.50/10/180LR PNP LED SN BK BX | 1531200000 I.59 1531190000 I.57 | BLF 3.50/04/180 SN OR BX BLF 3.50/04/180F SN OR BX | 2459070000 I.52 2459410000 I.53 | BLF 5.00HC/12/180LR SN OR BX BLF 5.00HC/12/90 SN OR BX | 1016450000 K.47 1980270000 K.48 |
| BL 3.50/04/180LR SN OR BX | 1531010000 I.49 | BL-I/O 3.50/10/180LR SN BK BX | 1531180000 I.55 | BLF 3.50/04/180LR SN OR BX | 2459700000 1.53 | BLF 5.00HC/12/90F SN OR BX | 1980740000 K.49 |
| BL 3.50/04/270 SN OR BX | 1639490000 I.51 | BL-I/O 3.50/10F CJC AU BK BX | 2471390000 I.60 | BLF 3.50/04/180QV SN OR BX | 2460240000 1.53 | BLF 5.00HC/12/90LR SN OR BX | 1980970000 K.49 |
| BL 3.50/04/270F SN OR BX BL 3.50/04/90 SN OR BX | 1639950000 I.51 1638570000 I.50 | BL-I/O 3.50/10F NPN LED SN BK BX BL-I/O 3.50/10F PNP LED SN BK BX | 1938010000 I.58 1789090000 I.56 | BLF 3.50/05/180 SN OR BX BLF 3.50/05/180F SN OR BX | 2459080000 I.52 2459420000 I.53 | BLF 5.08HC/02/180 SN OR BX BLF 5.08HC/02/180DF SN OR BX | 1013680000 K.108 1353240000 K.88 |
| BL 3.50/04/90F SN OR BX | 1639030000 I.51 | BL-I/O 3.50/10F PNP LED SN LTGY BX | 1965940000 I.56 | BLF 3.50/05/180LR SN OR BX | 2459710000 I.53 | BLF 5.08HC/02/180F SN OR BX | 1013070000 K.109 |
| BL 3.50/05/180 SN OR BX BL 3.50/05/180F SN OR BX | 1597390000 I.48 1606670000 I.49 | BL-I/O 3.50/10F SN BK BX BL-I/O 3.50/10F SN LTGY BX | 1779880000 I.54 1871690000 I.54 | BLF 3.50/06/180 SN OR BX BLF 3.50/06/180F SN OR BX | 2459090000 1.52 2459430000 1.53 | BLF 5.08HC/02/180LR SN OR BX BLF 5.08HC/02/270 SN OR BX | 1014370000 K.109 1982700000 K.112 |
| BL 3.50/05/180LR SN OR BX | 1531020000 I.49 | BLI/O 3.50/30F NPN LED SN BK BX | 1938020000 I.59 | BLF 3.50/06/180LR SN OR BX | 2459720000 1.53 | BLF 5.08HC/02/270F SN OR BX | 1982890000 K.112 |
| BL 3.50/05/270 SN OR BX | 1639500000 I.51 | BL-I/O 3.50/30F PNP LED SN BK BX | 1789110000 I.57 | BLF 3.50/07/180 SN OR BX | 2459100000 I.52 | BLF 5.08HC/02/270LR SN OR BX | 1983080000 K.113 |
| BL 3.50/05/270F SN OR BX BL 3.50/05/90 SN OR BX | 1639960000 I.51 1638580000 I.50 | BL-I/O 3.50/30F PNP LED SN LTGY BX BL-I/O 3.50/30F SN BK BX | 1965970000 I.57 1779920000 I.55 | BLF 3.50/07/180F SN OR BX BLF 3.50/07/180LR SN OR BX | 2459440000 I.53 2459730000 I.53 | BLF 5.08HC/02/90 SN OR BX BLF 5.08HC/02/90F SN OR BX | 1001530000 K.110 1002090000 K.111 |
| BL 3.50/05/90F SN OR BX | 1639040000 I.51 | BL-I/O 3.50/30LR NPN LED SN BK BX | 1000590000 I.59 | BLF 3.50/08/180 SN OR BX | 2459110000 I.52 | BLF 5.08HC/02/90LR SN OR BX | 1002280000 K.111 |
| BL 3.50/06/180 SN OR BX | 1597400000 I.48 | BL-I/O 3.50/30LR PNP LED SN BK BX | 1000570000 1.57 | BLF 3.50/08/180F SN OR BX | 2459450000 1.53 | BLF 5.08HC/03/180 SN OR BX | 1013690000 K.108 |
| BL 3.50/06/180F SN OR BX BL 3.50/06/180LR SN OR BX | 1606680000 I.49 1531030000 I.49 | BL-I/O 3.50/30LR SN BK BX BL/SL 3.50 VR BK BX | 1000550000 I.55 1669300000 I.30 | BLF 3.50/08/180LR SN OR BX BLF 3.50/09/180 SN OR BX | 2459740000 I.53 2459120000 I.52 | BLF 5.08HC/03/180DF SN OR BX BLF 5.08HC/03/180F SN OR BX | 1353250000 K.88 1013090000 K.109 |
| BL 3.50/06/270 SN OR BX | 1639510000 I.51 | BL/SL 3.50 VR BK BX | 1669300000 I.32 | BLF 3.50/09/180F SN OR BX | 2459460000 I.53 | BLF 5.08HC/03/180LR SN OR BX | 1014380000 K.109 |
| BL 3.50/06/270F SN OR BX BL 3.50/06/90 SN OR BX | 1639970000 I.51 1638590000 I.50 | BL/SL 3.50 VR BK BX BL/SL 3.50 VR BK BX | 1669300000 I.34 1669300000 I.36 | BLF 3.50/09/180LR SN OR BX BLF 3.50/10/180 SN OR BX | 2459750000 I.53 2459130000 I.52 | BLF 5.08HC/03/270 SN OR BX BLF 5.08HC/03/270F SN OR BX | 1982710000 K.112 1982900000 K.113 |
| BL 3.50/06/90F SN OR BX | 1639050000 I.51 | BL/SL 3.50 VR BK BX | 1669300000 I.38 | BLF 3.50/10/180F SN OR BX | 2459470000 I.53 | BLF 5.08HC/03/270LR SN OR BX | 1983090000 K.113 |
| BL 3.50/07/180 SN OR BX | 1597410000 I.48 | BL/SL 3.50 VR BK BX | 1669300000 I.40 | BLF 3.50/10/180LR SN OR BX | 2459760000 1.53 | BLF 5.08HC/03/90 SN OR BX | 1001540000 K.110 |
| BL 3.50/07/180F SN OR BX BL 3.50/07/180LR SN OR BX | 1606690000 I.49 1531040000 I.49 | BL/SL 3.50 VR BK BX BL/SL 3.50 VR BK BX | 1669300000 I.41 1669300000 I.48 | BLF 3.50/11/180 SN OR BX BLF 3.50/11/180F SN OR BX | 2459140000 I.52 2459480000 I.53 | BLF 5.08HC/03/90F SN OR BX BLF 5.08HC/03/90LR SN OR BX | 1002100000 K.111 1002290000 K.111 |
| BL 3.50/07/270 SN OR BX | 1639520000 I.51 | BL/SL 3.50 VR BK BX | 1669300000 M.5 | BLF 3.50/11/180LR SN OR BX | 2459770000 I.53 | BLF 5.08HC/04/180 SN OR BX | 1013710000 K.108 |
| BL 3.50/07/270F SN OR BX BL 3.50/07/90 SN OR BX | 1639980000 I.51 1638600000 I.50 | BL/SL 3.50 VR OR BX BL/SL 3.50 VR OR BX | 1669310000 I.30 1669310000 I.32 | BLF 3.50/12/180 SN OR BX BLF 3.50/12/180F SN OR BX | 2459150000 I.52 2459490000 I.53 | BLF 5.08HC/04/180DF SN OR BX BLF 5.08HC/04/180F SN OR BX | 1353270000 K.88 1013110000 K.109 |
| BL 3.50/07/90F SN OR BX | 1639060000 I.51 | BL/SL 3.50 VR OR BX | 1669310000 I.34 | BLF 3.50/12/180LR SN OR BX | 2459780000 1.53 | BLF 5.08HC/04/180LR SN OR BX | 1014390000 K.109 |
| BL 3.50/08/180 SN OR BX | 1597420000 I.48 | BL/SL 3.50 VR OR BX | 1669310000 I.36 | BLF 3.50/16/180 SN OR BX | 2459190000 1.52 | BLF 5.08HC/04/270 SN OR BX | 1982720000 K.112 |
| BL 3.50/08/180F SN OR BX BL 3.50/08/180LR SN OR BX | 1606700000 I.49 1531050000 I.49 | BL/SL 3.50 VR OR BX BL/SL 3.50 VR OR BX | 1669310000 I.38 1669310000 I.40 | BLF 3.50/17/180 SN OR BX BLF 3.50/18/180 SN OR BX | 2459200000 I.52 2459210000 I.52 | BLF 5.08HC/04/270F SN OR BX BLF 5.08HC/04/270LR SN OR BX | 1982910000 K.113 1983100000 K.113 |
| BL 3.50/08/270 SN OR BX | 1639530000 I.51 | BL/SL 3.50 VR OR BX | 1669310000 I.41 | BLF 3.50/19/180 SN OR BX | 2459220000 I.52 | BLF 5.08HC/04/90 SN OR BX | 1001550000 K.110 |
| BL 3.50/08/270F SN OR BX BL 3.50/08/90 SN OR BX | 1639990000 I.51 1638610000 I.50 | BL/SL 3.50 VR OR BX BL/SL 3.50 VR OR BX | 1669310000 I.48 1669310000 M.5 | BLF 3.50/20/180 SN OR BX BLF 3.50/21/180 SN OR BX | 2459230000 I.52 2459240000 I.52 | BLF 5.08HC/04/90F SN OR BX BLF 5.08HC/04/90LR SN OR BX | 1002110000 K.111 1002300000 K.111 |
| BL 3.50/08/90F SN OR BX | 1639070000 I.51 | BLAT ZEO4 OR BX | 1577980000 K.104 | BLF 3.50/22/180 SN OR BX | 2459250000 1.52 | BLF 5.08HC/05/180 SN OR BX | 1013720000 K.111 |
| BL 3.50/09/180 SN OR BX | 1597430000 I.48 | BLAT ZEO4 OR BX | 1577980000 M.2 | BLF 3.50/23/180 SN OR BX | 2459260000 1.52 | BLF 5.08HC/05/180DF SN OR BX | 1353280000 K.88 |
| BL 3.50/09/180F SN OR BX BL 3.50/09/180LR SN OR BX | 1606710000 I.49 1531070000 I.49 | BLAT ZEO8 OR BX BLAT ZEO8 OR BX | 1578010000 K.104 1578010000 M.2 | BLF 3.50/24/180 SN OR BX BLF 5.00HC/02/180 SN OR BX | 2459270000 I.52 1017860000 K.46 | BLF 5.08HC/05/180F SN OR BX BLF 5.08HC/05/180LR SN OR BX | 1013120000 K.109 1014410000 K.109 |
| BL 3.50/09/270 SN OR BX | 1639540000 I.51 | BLC 5.08/02/180BR OR BX | 1649370000 K.117 | BLF 5.00HC/02/180F SN OR BX | 1017420000 K.47 | BLF 5.08HC/05/270 SN OR BX | 1982730000 K.112 |
| BL 3.50/09/270F SN OR BX | 1640000000 I.51 | BLC 5.08/02/180R OR BX | 1610490000 K.116 | BLF 5.00HC/02/180LR SN OR BX | 1016340000 K.47 | BLF 5.08HC/05/270F SN OR BX | 1982920000 K.113 |
| BL 3.50/09/90 SN OR BX BL 3.50/09/90F SN OR BX | 1638620000 I.50 1639080000 I.51 | BLC 5.08/03/180BR OR BX BLC 5.08/03/180R OR BX | 1649380000 K.117 1610500000 K.116 | BLF 5.00HC/02/90 SN OR BX BLF 5.00HC/02/90F SN OR BX | 1980170000 K.48 1980640000 K.49 | BLF 5.08HC/05/270LR SN OR BX BLF 5.08HC/05/90 SN OR BX | 1983110000 K.113 1001560000 K.110 |
| BL 3.50/10/180 SN OR BX | 1597440000 I.48 | BLC 5.08/04/180BR OR BX | 1649390000 K.117 | BLF 5.00HC/02/90LR SN OR BX | 1980870000 K.49 | BLF 5.08HC/05/90F SN OR BX | 1002120000 K.111 |
| BL 3.50/10/180F SN OR BX BL 3.50/10/180LR SN OR BX | 1606720000 I.49 1531080000 I.49 | BLC 5.08/04/180R OR BX BLC 5.08/05/180BR OR BX | 1610510000 K.116 1649400000 K.117 | BLF 5.00HC/03/180 SN OR BX BLF 5.00HC/03/180F SN OR BX | 1017870000 K.46 1017430000 K.47 | BLF 5.08HC/05/90LR SN OR BX BLF 5.08HC/06/180 SN OR BX | 1002310000 K.111 1013730000 K.108 |
| BL 3.50/10/270 SN OR BX | 1639550000 I.51 | BLC 5.08/05/180R OR BX | 1610520000 K.117 | BLF 5.00HC/03/180LR SN OR BX | 1017430000 K.47 | BLF 5.08HC/06/180DF SN OR BX | 1353340000 K.108 |
| BL 3.50/10/270F SN OR BX | 1640010000 I.51 | BLC 5.08/06/180BR OR BX | 1649410000 K.117 | BLF 5.00HC/03/90 SN OR BX | 1980180000 K.48 | BLF 5.08HC/06/180F SN OR BX | 1013130000 K.109 |
| BL 3.50/10/90 SN OR BX BL 3.50/10/90F SN OR BX | 1638630000 I.50 1639090000 I.51 | BLC 5.08/06/180R OR BX BLC 5.08/07/180BR OR BX | 1610530000 K.116 1649420000 K.117 | BLF 5.00HC/03/90F SN OR BX BLF 5.00HC/03/90LR SN OR BX | 1980650000 K.49 1980880000 K.49 | BLF 5.08HC/06/180LR SN OR BX BLF 5.08HC/06/270 SN OR BX | 1014420000 K.109 1982740000 K.112 |
| BL 3.50/11/180 SN OR BX | 1597450000 I.48 | BLC 5.08/07/180R OR BX | 1610540000 K.116 | BLF 5.00HC/04/180 SN OR BX | 1017880000 K.46 | BLF 5.08HC/06/270F SN OR BX | 1982930000 K.113 |
| BL 3.50/11/180F SN OR BX BL 3.50/11/180LR SN OR BX | 1606730000 I.49 1531090000 I.49 | BLC 5.08/08/180BR OR BX BLC 5.08/08/180R OR BX | 1649430000 K.117 | BLF 5.00HC/04/180F SN OR BX BLF 5.00HC/04/180LR SN OR BX | 1017440000 K.47 1016360000 K.47 | BLF 5.08HC/06/270LR SN OR BX | 1983120000 K.113 1001570000 K.110 |
| BL 3.50/11/270 SN OR BX | 1531090000 I.49 1639560000 I.51 | BLC 5.08/09/180BR OR BX | 1610550000 K.116 1649440000 K.117 | BLF 5.00HC/04/90 SN OR BX | 1980190000 K.48 | BLF 5.08HC/06/90 SN OR BX BLF 5.08HC/06/90F SN OR BX | 1001570000 K.110 |
| | | | | | | | |

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| BLF 5.08HC/06/90LR SN OR BX | 1002320000 K.111 | BLL 5.08/02/180 3.2 SN OR BX | 1630710000 K.120 | BLT 5.08HC/09/180LR SN OR BX | 1890290000 K.105 | BLZ/SL KO BK BX | 1545710000 K.74 |
| BLF 5.08HC/07/180 SN OR BX | 1013740000 K.108 | BLL 5.08/02/180B 3.2SN OR BX | 1682730000 K.121 | BLT 5.08HC/10/180 SN OR BX | 1500360000 K.104 | BLZ/SL KO BK BX | 1545710000 K.76 |
| BLF 5.08HC/07/180DF SN OR BX BLF 5.08HC/07/180F SN OR BX | 1353290000 K.88 1013140000 K.109 | BLL 5.08/02/90 3.2 SN OR BX BLL 5.08/02/90FI 3.2 SN OR BX | 1622940000 K.118 1843750000 K.119 | BLT 5.08HC/10/180DF SN OR BX BLT 5.08HC/10/180F SN OR BX | 1353230000 K.86 1844070000 K.105 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.78 1545710000 K.80 |
| BLF 5.08HC/07/180LR SN OR BX | 1014430000 K.109 | BLL 5.08/03/180 3.2 SN OR BX | 1630720000 K.119 | BLT 5.08HC/10/180LR SN OR BX | 1890300000 K.105 | BLZ/SL KO BK BX | 1545710000 K.80 |
| BLF 5.08HC/07/270 SN OR BX | 1982750000 K.112 | BLL 5.08/03/180B 3.2SN OR BX | 1682740000 K.121 | BLT 5.08HC/11/180 SN OR BX | 1500460000 K.104 | BLZ/SL KO BK BX | 1545710000 K.84 |
| BLF 5.08HC/07/270F SN OR BX | 1982940000 K.113 | BLL 5.08/03/90 3.2 SN OR BX | 1622950000 K.118 | BLT 5.08HC/11/180F SN OR BX | 1844080000 K.105 | BLZ/SL KO BK BX | 1545710000 K.86 |
| BLF 5.08HC/07/270LR SN OR BX BLF 5.08HC/07/90 SN OR BX | 1983130000 K.113 1001580000 K.110 | BLL 5.08/03/90FI 3.2SN OR BX BLL 5.08/04/180 3.2 SN OR BX | 1843760000 K.119 1630730000 K.120 | BLT 5.08HC/11/180LR SN OR BX BLT 5.08HC/12/180 SN OR BX | 1890310000 K.105 1500560000 K.104 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.88 1545710000 K.90 |
| BLF 5.08HC/07/90F SN OR BX | 1002140000 K.111 | BLL 5.08/04/180B 3.2SN OR BX | 1682750000 K.121 | BLT 5.08HC/12/180F SN OR BX | 1844090000 K.105 | BLZ/SL KO BK BX | 1545710000 K.92 |
| BLF 5.08HC/07/90LR SN OR BX | 1002330000 K.111 | BLL 5.08/04/90 3.2 SN OR BX | 1622960000 K.118 | BLT 5.08HC/12/180LR SN OR BX | 1890320000 K.105 | BLZ/SL KO BK BX | 1545710000 K.93 |
| BLF 5.08HC/08/180 SN OR BX BLF 5.08HC/08/180DF SN OR BX | 1013750000 K.108 1353300000 K.88 | BLL 5.08/04/90FI 3.2SN OR BX BLL 5.08/05/180 3.2 SN OR BX | 1843770000 K.119 1630740000 K.120 | BLZ 5.00 ZE04 OR BX BLZ 5.00 ZE04 OR BX | 1652100000 K.40 1652100000 M.2 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.94 1545710000 K.96 |
| BLF 5.08HC/08/180F SN OR BX | 1013150000 K.109 | BLL 5.08/05/180B 3.2SN OR BX | 1682760000 K.121 | BLZ 5.00 ZE08 BK BX | 1652060000 K.40 | BLZ/SL KO BK BX | 1545710000 K.98 |
| BLF 5.08HC/08/180LR SN OR BX | 1014440000 K.109 | BLL 5.08/05/90 3.2 SN OR BX | 1622970000 K.118 | BLZ 5.00 ZE08 BK BX | 1652060000 M.2 | BLZ/SL KO BK BX | 1545710000 K.100 |
| BLF 5.08HC/08/270 SN OR BX BLF 5.08HC/08/270F SN OR BX | 1982760000 K.112 1982950000 K.113 | BLL 5.08/05/90FI 3.2SN OR BX BLL 5.08/06/180 3.2 SN OR BX | 1843780000 K.119 1630750000 K.120 | BLZ 5.00 ZE08 OR BX BLZ 5.00 ZE08 OR BX | 1652040000 K.40 1652040000 M.2 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.102 1545710000 K.104 |
| BLF 5.08HC/08/270LR SN OR BX | 1983140000 K.113 | BLL 5.08/06/180B 3.2SN OR BX | 1682770000 K.121 | BLZ 5.08 ZE04 BK BX | 1652130000 K.82 | BLZ/SL KO BK BX | 1545710000 K.104 |
| BLF 5.08HC/08/90 SN OR BX | 1001590000 K.110 | BLL 5.08/06/90 3.2 SN OR BX | 1622980000 K.118 | BLZ 5.08 ZE04 BK BX | 1652130000 K.90 | BLZ/SL KO BK BX | 1545710000 K.108 |
| BLF 5.08HC/08/90F SN OR BX BLF 5.08HC/08/90LR SN OR BX | 1002150000 K.111 1002340000 K.111 | BLL 5.08/06/90FI 3.2SN OR BX BLL 5.08/07/180 3.2 SN OR BX | 1843790000 K.119 1630760000 K.120 | BLZ 5.08 ZE04 BK BX BLZ 5.08 ZE04 BK BX | 1652130000 K.96 1652130000 K.106 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.110 1545710000 K.112 |
| BLF 5.08HC/09/180 SN OR BX | 1013760000 K.111 | BLL 5.08/07/180B 3.2SN OR BX | 1682780000 K.121 | BLZ 5.08 ZE04 BK BX | 1652130000 K.100 | BLZ/SL KO BK BX | 1545710000 K.112 |
| BLF 5.08HC/09/180DF SN OR BX | 1353320000 K.88 | BLL 5.08/07/90 3.2 SN OR BX | 1622990000 K.118 | BLZ 5.08 ZEO4 OR BX | 1652110000 K.82 | BLZ/SL KO BK BX | 1545710000 K.116 |
| BLF 5.08HC/09/180F SN 0R BX | 1013160000 K.109 | BLL 5.08/07/90FI 3.2SN OR BX | 1843800000 K.119 | BLZ 5.08 ZE04 OR BX BLZ 5.08 ZE04 OR BX | 1652110000 K.90 | BLZ/SL KO BK BX | 1545710000 K.118 |
| BLF 5.08HC/09/180LR SN OR BX BLF 5.08HC/09/270 SN OR BX | 1014450000 K.109 1982770000 K.112 | BLL 5.08/08/180 3.2 SN OR BX BLL 5.08/08/180B 3.2 SN OR BX | 1630770000 K.120 1682790000 K.121 | BLZ 5.08 ZE04 OR BX | 1652110000 K.96 1652110000 K.106 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.120 1545710000 M.11 |
| BLF 5.08HC/09/270F SN OR BX | 1982960000 K.113 | BLL 5.08/08/90 3.2 SN OR BX | 1623000000 K.118 | BLZ 5.08 ZE04 OR BX | 1652110000 M.2 | BLZ/SL KO BK BX | 1545710000 0.64 |
| BLF 5.08HC/09/270LR SN OR BX | 1983150000 K.113 | BLL 5.08/08/90FI 3.2SN OR BX | 1843810000 K.119 | BLZ 5.08 ZE08 BK BX | 1652070000 K.82 | BLZ/SL KO BK BX | 1545710000 0.66 |
| BLF 5.08HC/09/90 SN OR BX BLF 5.08HC/09/90F SN OR BX | 1001600000 K.110 1002160000 K.111 | BLL 5.08/09/180 3.2 SN OR BX BLL 5.08/09/180B 3.2 SN OR BX | 1630780000 K.120 1682800000 K.121 | BLZ 5.08 ZE08 BK BX BLZ 5.08 ZE08 BK BX | 1652070000 K.90 1652070000 K.96 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 0.108 1545710000 0.110 |
| BLF 5.08HC/09/90LR SN OR BX | 1002350000 K.111 | BLL 5.08/09/90 3.2 SN OR BX | 1623010000 K.118 | BLZ 5.08 ZE08 BK BX | 1652070000 K.106 | BLZ/SL KO BK BX | 1545710000 0.112 |
| BLF 5.08HC/10/180 SN OR BX | 1013770000 K.108 | BLL 5.08/09/90FI 3.2SN OR BX | 1843820000 K.119 | BLZ 5.08 ZE08 BK BX | 1652070000 M.2 | BLZ/SL KO BK BX | 1545710000 0.120 |
| BLF 5.08HC/10/180DF SN OR BX BLF 5.08HC/10/180F SN OR BX | 1353330000 K.88 1013170000 K.109 | BLL 5.08/10/180 3.2 SN OR BX BLL 5.08/10/180B 3.2 SN OR BX | 1630790000 K.120 1682810000 K.121 | BLZ 5.08 ZE08 OR BX BLZ 5.08 ZE08 OR BX | 1652050000 K.82 1652050000 K.90 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.22 1573010000 K.24 |
| BLF 5.08HC/10/180LR SN OR BX | 1014460000 K.109 | BLL 5.08/10/180B 3.25N OR BX | 1623020000 K.121 | BLZ 5.08 ZE08 OR BX | 1652050000 K.90 | BLZ/SL KO OR BX | 1573010000 K.24 |
| BLF 5.08HC/10/270 SN OR BX | 1982780000 K.112 | BLL 5.08/10/90FI 3.2SN OR BX | 1843830000 K.119 | BLZ 5.08 ZE08 OR BX | 1652050000 K.106 | BLZ/SL KO OR BX | 1573010000 K.28 |
| BLF 5.08HC/10/270F SN OR BX | 1982970000 K.113 | BLL 5.08/11/180 3.2 SN OR BX | 1630800000 K.120 | BLZ 5.08 ZE08 OR BX | 1652050000 M.2 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.30 1573010000 K.32 |
| BLF 5.08HC/10/270LR SN OR BX BLF 5.08HC/10/90 SN OR BX | 1983160000 K.113 1001610000 K.110 | BLL 5.08/11/180B 3.2SN OR BX BLL 5.08/11/90 3.2 SN OR BX | 1682820000 K.121 1623030000 K.118 | BLZ 5.08/04/180FQV2 SN OR BX PRT BLZ 5.08/04/180QV2 SN OR BX PRT | 1846870000 K.107 1839770000 K.106 | BLZ/SL KO OR BX | 1573010000 K.32 |
| BLF 5.08HC/10/90F SN OR BX | 1002170000 K.111 | BLL 5.08/11/90FI 3.2SN OR BX | 1843840000 K.119 | BLZ 7.62HP/02/180 SN BK BX | 1059580000 0.120 | BLZ/SL KO OR BX | 1573010000 K.36 |
| BLF 5.08HC/10/90LR SN OR BX | 1002360000 K.111 | BLL 5.08/12/180 3.2 SN OR BX | 1630810000 K.120 | BLZ 7.62HP/02/180LR SN BK BX | 1093430000 0.121 | BLZ/SL KO OR BX | 1573010000 K.38 |
| BLF 5.08HC/11/180 SN OR BX BLF 5.08HC/11/180F SN OR BX | 1013780000 K.108 1013180000 K.109 | BLL 5.08/12/180B 3.2SN OR BX BLL 5.08/12/90 3.2 SN OR BX | 1682830000 K.121 1623040000 K.118 | BLZ 7.62HP/03/180 SN BK BX BLZ 7.62HP/03/180LR SN BK BX | 1059590000 0.120 1093440000 0.121 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.40 1573010000 K.42 |
| BLF 5.08HC/11/180LR SN OR BX | 1014470000 K.109 | BLL 5.08/12/90FI 3.2SN OR BX | 1843850000 K.119 | BLZ 7.62HP/04/180 SN BK BX | 1059600000 0.120 | BLZ/SL KO OR BX | 1573010000 K.44 |
| BLF 5.08HC/11/270 SN OR BX | 1982790000 K.112 | BLL 7.62HP/02/180 3.2SN BK BX | 1122070000 0.126 | BLZ 7.62HP/04/180LR SN BK BX | 1093450000 0.121 | BLZ/SL KO OR BX | 1573010000 K.46 |
| BLF 5.08HC/11/270F SN OR BX BLF 5.08HC/11/270LR SN OR BX | 1982980000 K.113 1983170000 K.113 | BLL 7.62HP/02/180F 3.2SN BK BX BLL 7.62HP/02/180LF 3.2SN BK BX | 1122110000 0.127 1134080000 0.127 | BLZ 7.62HP/05/180 SN BK BX BLZ 7.62HP/05/180LR SN BK BX | 1049010000 0.120 1093460000 0.121 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.48 1573010000 K.50 |
| BLF 5.08HC/11/90 SN OR BX | 1001620000 K.110 | BLL 7.62HP/02/90 3.2SN BK BX | 1043230000 0.124 | BLZ 7.62HP/06/180 SN BK BX | 1049020000 0.120 | BLZ/SL KO OR BX | 1573010000 K.52 |
| BLF 5.08HC/11/90F SN OR BX | 1002180000 K.111 | BLL 7.62HP/02/90F 3.2SN BK BX | 1043270000 0.125 | BLZ 7.62HP/06/180LR SN BK BX | 1164960000 0.121 | BLZ/SL KO OR BX | 1573010000 K.54 |
| BLF 5.08HC/11/90LR SN OR BX BLF 5.08HC/12/180 SN OR BX | 1002370000 K.111 1013790000 K.108 | BLL 7.62HP/02/90LF 3.2SN BK BX BLL 7.62HP/03/180 3.2SN BK BX | 1095640000 0.125 1122080000 0.126 | BLZ 7.62HP/07/180 SN BK BX BLZ 7.62HP/07/180LR SN BK BX | 1059610000 0.120 1164970000 0.121 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.56 1573010000 K.58 |
| BLF 5.08HC/12/180F SN OR BX | 1013190000 K.109 | BLL 7.62HP/03/180F 3.2SN BK BX | 1122120000 0.127 | BLZ 7.62HP/08/180 SN BK BX | 1049030000 0.120 | BLZ/SL KO OR BX | 1573010000 K.60 |
| BLF 5.08HC/12/180LR SN OR BX | 1014480000 K.109 | BLL 7.62HP/03/180LF 3.2SN BK BX | 1134090000 0.127 | BLZ 7.62HP/08/180LR SN BK BX | 1164980000 0.121 | BLZ/SL KO OR BX | 1573010000 K.62 |
| BLF 5.08HC/12/270 SN OR BX BLF 5.08HC/12/270F SN OR BX | 1982800000 K.112 1982990000 K.113 | BLL 7.62HP/03/90 3.2SN BK BX BLL 7.62HP/03/90F 3.2SN BK BX | 1043240000 0.124 1043280000 0.125 | BLZ 7.62HP/09/180 SN BK BX BLZ 7.62HP/09/180LR SN BK BX | 1059620000 0.120 1164990000 0.121 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.64 1573010000 K.66 |
| BLF 5.08HC/12/270LR SN OR BX | 1983180000 K.113 | BLL 7.62HP/03/90LF 3.2SN BK BX | 1095650000 0.125 | BLZ 7.62HP/10/180 SN BK BX | 1059630000 0.120 | BLZ/SL KO OR BX | 1573010000 K.68 |
| BLF 5.08HC/12/90 SN OR BX | 1001630000 K.110 | BLL 7.62HP/04/180 3.2SN BK BX | 1122090000 0.126 | BLZ 7.62HP/10/180LR SN BK BX | 1165000000 0.121 | BLZ/SL KO OR BX | 1573010000 K.70 |
| BLF 5.08HC/12/90F SN OR BX BLF 5.08HC/12/90LR SN OR BX | 1002190000 K.111 1002380000 K.111 | BLL 7.62HP/04/180F 3.2SN BK BX BLL 7.62HP/04/180LF 3.2SN BK BX | 1122130000 0.127 1134110000 0.127 | BLZ 7.62HP/11/180 SN BK BX BLZ 7.62HP/11/180LR SN BK BX | 1059640000 0.120 1165010000 0.121 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.72 1573010000 K.74 |
| BLF 7.62HP/02/180 SN BK BX | 1043830000 0.122 | BLL 7.62HP/04/90 3.2SN BK BX | 1043250000 0.124 | BLZ 7.62HP/12/180 SN BK BX | 1059670000 0.120 | BLZ/SL KO OR BX | 1573010000 K.76 |
| BLF 7.62HP/02/180F SN BK BX | 1043910000 0.123 | BLL 7.62HP/04/90F 3.2SN BK BX | 1043290000 0.125 | BLZ 7.62HP/12/180LR SN BK BX | 1165020000 0.121 | BLZ/SL KO OR BX | 1573010000 K.78 |
| BLF 7.62HP/02/180LR SN BK BX BLF 7.62HP/03/180 SN BK BX | 1043990000 0.123 1043840000 0.122 | BLL 7.62HP/04/90LF 3.2SN BK BX BLL 7.62HP/05/180 3.2SN BK BX | 1095660000 0.125 1122100000 0.126 | BLZ 7.62IT/02/180MF2 SN BK BX BLZ 7.62IT/03/180MF2 SN BK BX | 1173490000 0.66 1173500000 0.66 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.80 1573010000 K.82 |
| BLF 7.62HP/03/180F SN BK BX | 1043920000 0.123 | BLL 7.62HP/05/180F 3.2SN BK BX | 1122140000 0.127 | BLZ 7.62IT/03/180MF3 SN BK BX | 1173510000 0.67 | BLZ/SL KO OR BX | 1573010000 K.84 |
| BLF 7.62HP/03/180LR SN BK BX | 1044000000 0.123 | BLL 7.62HP/05/180LF 3.2SN BK BX | 1134120000 0.127 | BLZ 7.62IT/04/180MF2 SN BK BX | 1173520000 0.66 | BLZ/SL KO OR BX | 1573010000 K.86 |
| BLF 7.62HP/04/180 SN BK BX BLF 7.62HP/04/180F SN BK BX | 1043850000 0.122 1043930000 0.123 | BLL 7.62HP/05/90 3.2SN BK BX BLL 7.62HP/05/90F 3.2SN BK BX | 1043260000 0.124 1043300000 0.125 | BLZ 7.62IT/04/180MF3 SN BK BX BLZ 7.62IT/04/180MF4 SN BK BX | 2629750000 0.67 1173530000 0.67 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.88 1573010000 K.90 |
| BLF 7.62HP/04/180LR SN BK BX | 1044010000 0.123 | BLL 7.62HP/05/90LF 3.2SN BK BX | 1095670000 0.125 | BLZ 7.62IT/05/180MF2 SN BK BX | 2629690000 0.66 | BLZ/SL KO OR BX | 1573010000 K.92 |
| BLF 7.62HP/05/180 SN BK BX | 1043860000 0.122 | BLT 5.08HC/02/180 SN OR BX | 1499560000 K.104 | BLZ 7.62IT/05/180MF3 SN BK BX | 1398880000 0.67 | BLZ/SL KO OR BX | 1573010000 K.93 |
| BLF 7.62HP/05/180F SN BK BX BLF 7.62HP/05/180LR SN BK BX | 1043940000 0.123 1044020000 0.123 | BLT 5.08HC/02/180DF SN OR BX BLT 5.08HC/02/180F SN OR BX | 1353130000 K.86 1843990000 K.105 | BLZ 7.62IT/05/180MF4 SN BK BX BLZ 7.62IT/06/180MF2 SN BK BX | 1398890000 0.67 2629740000 0.66 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.94 1573010000 K.96 |
| BLF 7.62HP/06/180 SN BK BX | 1227340000 0.122 | BLT 5.08HC/02/180LR SN OR BX | 1890220000 K.105 | BLZ 7.62IT/06/180MF3 SN BK BX | 1398900000 0.67 | BLZ/SL KO OR BX | 1573010000 K.98 |
| BLF 7.62HP/06/180F SN BK BX | 1227490000 0.123 | BLT 5.08HC/03/180 SN OR BX | 1499660000 K.104 | BLZ 7.62IT/06/180MF4 SN BK BX | 1398910000 0.67 | BLZ/SL KO OR BX | 1573010000 K.100 |
| BLF 7.62HP/06/180LR SN BK BX BLF 7.62HP/07/180 SN BK BX | 1227420000 0.123 1227350000 0.122 | BLT 5.08HC/03/180DF SN OR BX BLT 5.08HC/03/180F SN OR BX | 1353140000 K.86 1844000000 K.105 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.22 1545710000 K.24 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.102 1573010000 K.104 |
| BLF 7.62HP/07/180F SN BK BX | 1227510000 0.123 | BLT 5.08HC/03/180LR SN OR BX | 1890230000 K.105 | BLZ/SL KO BK BX | 1545710000 K.26 | BLZ/SL KO OR BX | 1573010000 K.106 |
| BLF 7.62HP/07/180LR SN BK BX | 1227430000 0.123 | BLT 5.08HC/04/180 SN OR BX | 1499760000 K.104 | BLZ/SL KO BK BX | 1545710000 K.28 | BLZ/SL KO OR BX | 1573010000 K.108 |
| BLF 7.62HP/08/180 SN BK BX BLF 7.62HP/08/180F SN BK BX | 1227360000 0.122 1227520000 0.123 | BLT 5.08HC/04/180DF SN OR BX BLT 5.08HC/04/180F SN OR BX | 1353150000 K.86 1844010000 K.105 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.30 1545710000 K.32 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.110 1573010000 K.112 |
| BLF 7.62HP/08/180LR SN BK BX | 1227440000 0.123 | BLT 5.08HC/04/180LR SN OR BX | 1890240000 K.105 | BLZ/SL KO BK BX | 1545710000 K.34 | BLZ/SL KO OR BX | 1573010000 K.112 |
| BLF 7.62HP/09/180 SN BK BX | 1227370000 0.122 | BLT 5.08HC/05/180 SN OR BX | 1499860000 K.104 | BLZ/SL KO BK BX | 1545710000 K.36 | BLZ/SL KO OR BX | 1573010000 K.116 |
| BLF 7.62HP/09/180F SN BK BX BLF 7.62HP/09/180LR SN BK BX | 1227530000 0.123 1227450000 0.123 | BLT 5.08HC/05/180DF SN OR BX BLT 5.08HC/05/180F SN OR BX | 1353170000 K.86 1844020000 K.105 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.38 1545710000 K.40 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 K.118 1573010000 K.120 |
| BLF 7.62HP/10/180 SN BK BX | 1227380000 0.122 | BLT 5.08HC/05/180LR SN OR BX | 1890250000 K.105 | BLZ/SL KO BK BX | 1545710000 K.42 | BLZ/SL KO OR BX | 1573010000 M.11 |
| BLF 7.62HP/10/180F SN BK BX | 1227540000 0.123 | BLT 5.08HC/06/180 SN OR BX | 1499960000 K.104 | BLZ/SL KO BK BX | 1545710000 K.44 | BLZ/SL KO OR BX | 1573010000 0.64 |
| BLF 7.62HP/10/180LR SN BK BX BLF 7.62HP/11/180 SN BK BX | 1227460000 0.123 1227390000 0.122 | BLT 5.08HC/06/180DF SN OR BX BLT 5.08HC/06/180F SN OR BX | 1353180000 K.86 1844030000 K.105 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.46 1545710000 K.48 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 1573010000 0.66 1573010000 0.108 |
| BLF 7.62HP/12/180 SN BK BX | 1227410000 0.122 | BLT 5.08HC/06/180LR SN OR BX | 1890260000 K.105 | BLZ/SL KO BK BX | 1545710000 K.48 | BLZ/SL KO OR BX | 1573010000 0.108 |
| BLL 3.50/02/180 3.2SN OR TU | 1376310000 I.62 | BLT 5.08HC/07/180 SN OR BX | 1500060000 K.104 | BLZ/SL KO BK BX | 1545710000 K.52 | BLZ/SL KO OR BX | 1573010000 0.112 |
| BLL 3.50/03/180 3.2SN OR TU BLL 3.50/04/180 3.2SN OR TU | 1376320000 I.62 1376330000 I.62 | BLT 5.08HC/07/180DF SN OR BX BLT 5.08HC/07/180F SN OR BX | 1353190000 K.86 1844040000 K.105 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.54 1545710000 K.56 | BLZ/SL KO OR BX BLZP 5.00HC/02/180 SN OR BX | 1573010000 0.120 1954490000 K.40 |
| BLL 3.50/05/180 3.2SN OR TU | 1376340000 I.62 | BLT 5.08HC/07/180LR SN OR BX | 1890270000 K.105 | BLZ/SL KO BK BX | 1545710000 K.58 | BLZP 5.00HC/02/180F SN OR BX | 1955800000 K.40 |
| BLL 3.50/06/180 3.2SN OR TU | 1376430000 I.62 | BLT 5.08HC/08/180 SN OR BX | 1500160000 K.104 | BLZ/SL KO BK BX | 1545710000 K.60 | BLZP 5.00HC/02/180LR SN OR BX | 1956370000 K.41 |
| BLL 3.50/07/180 3.2SN OR TU | 1376350000 1.62 | BLT 5.08HC/08/180DF SN OR BX | 1353200000 K.86 | BLZ/SL KO BK BX | 1545710000 K.62 | BLZP 5.00HC/02/270 SN OR BX | 1958870000 K.44 |
| BLL 3.50/08/180 3.2SN OR TU BLL 3.50/09/180 3.2SN OR TU | 1376440000 I.62 1376450000 I.62 | BLT 5.08HC/08/180F SN OR BX BLT 5.08HC/08/180LR SN OR BX | 1844050000 K.105 1890280000 K.105 | BLZ/SL KO BK BX BLZ/SL KO BK BX | 1545710000 K.64 1545710000 K.66 | BLZP 5.00HC/02/270F SN OR BX BLZP 5.00HC/02/270LR SN OR BX | 1960460000 K.45 1960960000 K.45 |
| BLL 3.50/10/180 3.2SN OR TU | 1376470000 I.62 | BLT 5.08HC/09/180 SN OR BX | 1500260000 K.104 | BLZ/SL KO BK BX | 1545710000 K.68 | BLZP 5.00HC/02/90 SN OR BX | 1958300000 K.42 |
| BLL 3.50/11/180 3.2SN OR TU | 1376370000 I.62 | BLT 5.08HC/09/180DF SN OR BX | 1353220000 K.86 | BLZ/SL KO BK BX | 1545710000 K.70 | BLZP 5.00HC/02/90F SN OR BX | 1959520000 K.43 |
| BLL 3.50/12/180 3.2SN OR TU | 1376480000 I.62 | BLT 5.08HC/09/180F SN OR BX | 1844060000 K.105 | BLZ/SL KO BK BX | 1545710000 K.72 | BLZP 5.00HC/03/180 SN OR BX | 1954480000 K.40 |
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| BLZP 5.00HC/03/180F SN OR BX | 1955790000 K.41 | BLZP 5.08HC/03/90F SN OR BX | 1949810000 K.99 | BLZP 5.08HC/12/90F SN OR BX | 1949900000 K.99 | BV/SV 7.62HP KO | 1937590000 0.14 |
| BLZP 5.00HC/03/180LR SN OR BX | 1956360000 K.41 | BLZP 5.08HC/03/90LR SN OR BX | 1087260000 K.99 | BLZP 5.08HC/12/90LR SN OR BX | 1087350000 K.99 | BV/SV 7.62HP KO | 1937590000 0.16 |
| BLZP 5.00HC/03/270 SN OR BX BLZP 5.00HC/03/270F SN OR BX | 1958860000 K.44 1960450000 K.45 | BLZP 5.08HC/04/180 SN OR BX BLZP 5.08HC/04/180F SN OR BX | 1943600000 K.96 1944110000 K.97 | BUF 10.16IT/02/180 AG BK BX BUF 10.16IT/02/180F AG BK BX | 2493170000 0.228 2493300000 0.229 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.18 1937590000 0.20 |
| BLZP 5.00HC/03/270LR SN 0R BX | 1960950000 K.45 | BLZP 5.08HC/04/180LR SN 0R BX | 1944850000 K.97 | BUF 10.16IT/02/180MF2 AG BK BX | 2493160000 0.98 | BV/SV 7.62HP KO | 1937590000 0.22 |
| BLZP 5.00HC/03/90 SN OR BX | 1958290000 K.42 | BLZP 5.08HC/04/225 SN OR BX | 1946270000 K.102 | BUF 10.16IT/02/180MSF2 AG BK BX | 2493230000 0.100 | BV/SV 7.62HP KO | 1937590000 0.24 |
| BLZP 5.00HC/03/90F SN OR BX BLZP 5.00HC/04/180 SN OR BX | 1959510000 K.43 1954470000 K.40 | BLZP 5.08HC/04/225B SN OR BX BLZP 5.08HC/04/270 SN OR BX | 1945770000 K.103 1948810000 K.100 | BUF 10.16IT/02/180SF AG BK BX BUF 10.16IT/03/180 AG BK BX | 2493340000 0.229 2493400000 0.228 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.26 1937590000 0.28 |
| BLZP 5.00HC/04/180F SN OR BX | 1955780000 K.41 | BLZP 5.08HC/04/270F SN OR BX | 1950330000 K.101 | BUF 10.16IT/03/180F AG BK BX | 2493310000 0.229 | BV/SV 7.62HP KO | 1937590000 0.30 |
| BLZP 5.00HC/04/180LR SN OR BX | 1956350000 K.41 | BLZP 5.08HC/04/270LR SN OR BX | 1947550000 K.101 | BUF 10.16IT/03/180MF2 AG BK BX | 2493180000 0.98 | BV/SV 7.62HP KO | 1937590000 0.32 |
| BLZP 5.00HC/04/270 SN OR BX BLZP 5.00HC/04/270F SN OR BX | 1958850000 K.44 1960440000 K.45 | BLZP 5.08HC/04/90 SN OR BX BLZP 5.08HC/04/90F SN OR BX | 1948020000 K.98 1949820000 K.99 | BUF 10.16IT/03/180MF3 AG BK BX BUF 10.16IT/03/180MSF2 AG BK BX | 2493190000 0.99 2493240000 0.100 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.34 1937590000 0.36 |
| BLZP 5.00HC/04/270LR SN OR BX | 1960940000 K.45 | BLZP 5.08HC/04/90LR SN OR BX | 1949820000 K.99 1087270000 K.99 | BUF 10.16IT/03/180MSF2SH180 AG BK BX | 2627860000 0.100 | BV/SV 7.62HP K0 | 1937590000 0.38 |
| BLZP 5.00HC/04/90 SN OR BX | 1958280000 K.42 | BLZP 5.08HC/05/180 SN OR BX | 1943610000 K.96 | BUF 10.16IT/03/180MSF2SH180 AG BK BX | 2627860000 0.226 | BV/SV 7.62HP KO | 1937590000 0.40 |
| BLZP 5.00HC/04/90F SN OR BX BLZP 5.00HC/05/180 SN OR BX | 1959500000 K.43 1954460000 K.40 | BLZP 5.08HC/05/180F SN OR BX BLZP 5.08HC/05/180LR SN OR BX | 1944120000 K.97 1944860000 K.97 | BUF 10.16IT/03/180MSF3 AG BK BX BUF 10.16IT/03/180SF AG BK BX | 2493250000 0.101 2493350000 0.229 | BV/SV 7.62HP KO | 1937590000 0.42 1937590000 0.44 |
| BLZP 5.00HC/05/180F SN OR BX | 1954460000 K.40 | BLZP 5.08HC/05/180LR SN OR BX | 1946280000 K.102 | BUF 10.16IT/04/180 AG BK BX | 2493410000 0.228 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.44 |
| BLZP 5.00HC/05/180LR SN OR BX | 1956340000 K.41 | BLZP 5.08HC/05/225B SN OR BX | 1945780000 K.103 | BUF 10.16IT/04/180F AG BK BX | 2493320000 0.229 | BV/SV 7.62HP KO | 1937590000 0.50 |
| BLZP 5.00HC/05/270 SN OR BX | 1958840000 K.44 | BLZP 5.08HC/05/270 SN OR BX | 1948820000 K.100 | BUF 10.16IT/04/180MF2 AG BK BX | 2493200000 0.98 | BV/SV 7.62HP KO | 1937590000 0.52 |
| BLZP 5.00HC/05/270F SN OR BX BLZP 5.00HC/05/270LR SN OR BX | 1960430000 K.45 1960930000 K.45 | BLZP 5.08HC/05/270F SN OR BX BLZP 5.08HC/05/270LR SN OR BX | 1950340000 K.101 1947560000 K.101 | BUF 10.16IT/04/180MF2SH180 AG BK BX BUF 10.16IT/04/180MF2SH180 AG BK BX | 2627720000 0.94 2627720000 0.224 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.68 1937590000 0.70 |
| BLZP 5.00HC/05/90 SN OR BX | 1958270000 K.42 | BLZP 5.08HC/05/90 SN OR BX | 1948030000 K.98 | BUF 10.16IT/04/180MF3 AG BK BX | 2493210000 0.99 | BV/SV 7.62HP K0 | 1937590000 0.72 |
| BLZP 5.00HC/05/90F SN OR BX | 1959490000 K.43 | BLZP 5.08HC/05/90F SN OR BX | 1949830000 K.99 | BUF 10.16IT/04/180MF4 AG BK BX | 2544950000 0.99 | BV/SV 7.62HP KO | 1937590000 0.74 |
| BLZP 5.00HC/06/180 SN OR BX BLZP 5.00HC/06/180F SN OR BX | 1954450000 K.40 1955760000 K.41 | BLZP 5.08HC/05/90LR SN OR BX BLZP 5.08HC/06/180 SN OR BX | 1087280000 K.99 1943620000 K.96 | BUF 10.16IT/04/180MF4SH180 AG BK BX BUF 10.16IT/04/180MF4SH180 AG BK BX | 2627750000 0.95 2627750000 0.225 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.114 1937590000 0.116 |
| BLZP 5.00HC/06/180LR SN OR BX | 1956330000 K.41 | BLZP 5.08HC/06/180F SN OR BX | 1944130000 K.97 | BUF 10.16IT/04/180MSF2 AG BK BX | 2493260000 0.100 | BV/SV 7.62HP KO | 1937590000 0.118 |
| BLZP 5.00HC/06/270 SN OR BX | 1958830000 K.44 | BLZP 5.08HC/06/180LR SN OR BX | 1944870000 K.97 | BUF 10.16IT/04/180MSF3 AG BK BX | 2493270000 0.101 | BV/SV 7.62HP KO | 1937590000 0.140 |
| BLZP 5.00HC/06/270F SN OR BX | 1960420000 K.45 | BLZP 5.08HC/06/225 SN 0R BX | 1946290000 K.102 | BUF 10.16IT/04/180MSF4 AG BK BX | 2493280000 0.101 | BV/SV 7.62HP KO | 1937590000 0.142 |
| BLZP 5.00HC/06/270LR SN OR BX BLZP 5.00HC/06/90 SN OR BX | 1960920000 K.45 1958260000 K.42 | BLZP 5.08HC/06/225B SN OR BX BLZP 5.08HC/06/270 SN OR BX | 1945790000 K.103 1948830000 K.100 | BUF 10.16IT/04/180MSF4SH200 AG BK BX BUF 10.16IT/04/180MSF4SH200 AG BK BX | 2627950000 0.97 2627950000 0.227 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.144 1937590000 0.146 |
| BLZP 5.00HC/06/90F SN OR BX | 1959480000 K.43 | BLZP 5.08HC/06/270F SN OR BX | 1950350000 K.101 | BUF 10.16IT/04/180SF AG BK BX | 2493360000 0.229 | BV/SV 7.62HP KO | 1937590000 0.148 |
| BLZP 5.00HC/07/180 SN OR BX | 1954440000 K.40 | BLZP 5.08HC/06/270LR SN OR BX | 1947570000 K.101 | BUF 10.16IT/05/180 AG BK BX | 2493420000 0.228 | BV/SV 7.62HP KO | 1937590000 0.150 |
| BLZP 5.00HC/07/180F SN OR BX BLZP 5.00HC/07/180LR SN OR BX | 1955750000 K.41 1956320000 K.41 | BLZP 5.08HC/06/90 SN OR BX BLZP 5.08HC/06/90F SN OR BX | 1948040000 K.98 1949840000 K.99 | BUF 10.16IT/05/180F AG BK BX BUF 10.16IT/05/180SF AG BK BX | 2493330000 0.229 2493370000 0.229 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.152 1937590000 0.154 |
| BLZP 5.00HC/07/270 SN OR BX | 1958820000 K.44 | BLZP 5.08HC/06/90LR SN OR BX | 1087290000 K.99 | BUL 10.16HP/02/180 4.5AG BK BX SO | 1289000000 0.230 | BV/SV 7.62HP K0 | 1937590000 0.156 |
| BLZP 5.00HC/07/270F SN OR BX | 1960410000 K.45 | BLZP 5.08HC/07/180 SN OR BX | 1943630000 K.96 | BUL 10.16HP/03/180 4.5AG BK BX SO | 1341270000 0.230 | BV/SV 7.62HP KO | 1937590000 0.158 |
| BLZP 5.00HC/07/270LR SN OR BX | 1960910000 K.45 1958250000 K.42 | BLZP 5.08HC/07/180F SN OR BX | 1944140000 K.97 1944880000 K.97 | BUL 10.16HP/04/180 4.5AG BK BX SO BUZ 10.16HP/02/180 AG BK BX | 1289010000 0.230 1924540000 0.222 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.160 1937590000 0.162 |
| BLZP 5.00HC/07/90 SN OR BX BLZP 5.00HC/07/90F SN OR BX | 1959470000 K.43 | BLZP 5.08HC/07/180LR SN OR BX BLZP 5.08HC/07/225 SN OR BX | 1946300000 K.102 | BUZ 10.16HP/02/180F AG BK BX | 1924620000 0.222 | BV/SV 7.62HP KO | 1937590000 0.164 |
| BLZP 5.00HC/08/180 SN OR BX | 1954430000 K.40 | BLZP 5.08HC/07/225B SN OR BX | 1945800000 K.103 | BUZ 10.16HP/02/180SF AG BK BX | 1924700000 0.223 | BV/SV 7.62HP KO | 1937590000 0.166 |
| BLZP 5.00HC/08/180F SN OR BX BLZP 5.00HC/08/180LR SN OR BX | 1955740000 K.41 | BLZP 5.08HC/07/270 SN OR BX | 1948840000 K.100 | BUZ 10.16HP/03/180 AG BK BX | 1924550000 0.222 | BV/SV 7.62HP KO | 1937590000 0.168 |
| BLZP 5.00HC/08/180LH SN UH BX | 1956310000 K.41 1958810000 K.44 | BLZP 5.08HC/07/270F SN OR BX BLZP 5.08HC/07/270LR SN OR BX | 1950360000 K.101 1947580000 K.101 | BUZ 10.16HP/03/180F AG BK BX BUZ 10.16HP/03/180SF AG BK BX | 1924630000 0.223 1924710000 0.223 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.170 1937590000 0.172 |
| BLZP 5.00HC/08/270F SN OR BX | 1960400000 K.45 | BLZP 5.08HC/07/90 SN OR BX | 1948050000 K.98 | BUZ 10.16HP/04/180 AG BK BX | 1924560000 0.222 | BV/SV 7.62HP KO | 1937590000 0.174 |
| BLZP 5.00HC/08/270LR SN OR BX | 1960900000 K.45 | BLZP 5.08HC/07/90F SN OR BX | 1949850000 K.99 | BUZ 10.16HP/04/180F AG BK BX | 1924640000 0.223 | BV/SV 7.62HP KO | 1937590000 0.176 |
| BLZP 5.00HC/08/90 SN OR BX BLZP 5.00HC/08/90F SN OR BX | 1958230000 K.42 1959460000 K.43 | BLZP 5.08HC/07/90LR SN OR BX BLZP 5.08HC/08/180 SN OR BX | 1087300000 K.99 1943640000 K.96 | BUZ 10.16HP/04/180SF AG BK BX BUZ 10.16HP/05/180 AG BK BX | 1924720000 0.223 1924570000 0.222 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.178 1937590000 0.180 |
| BLZP 5.00HC/09/180 SN OR BX | 1954420000 K.40 | BLZP 5.08HC/08/180F SN OR BX | 1944150000 K.97 | BUZ 10.16HP/05/180F AG BK BX | 1924650000 0.223 | BV/SV 7.62HP KO | 1937590000 0.182 |
| BLZP 5.00HC/09/180F SN OR BX BLZP 5.00HC/09/180LR SN OR BX | 1955730000 K.41 1956300000 K.41 | BLZP 5.08HC/08/180LR SN OR BX BLZP 5.08HC/08/225 SN OR BX | 1944890000 K.97 1946310000 K.102 | BUZ 10.16HP/05/180SF AG BK BX BUZ 10.16HP/06/180 AG BK BX | 1924740000 0.223 1924580000 0.222 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.184 1937590000 0.186 |
| BLZP 5.00HC/09/270 SN OR BX | 1958800000 K.44 | BLZP 5.08HC/08/225B SN OR BX | 1945810000 K.102 | BUZ 10.16HP/06/180F AG BK BX | 1924660000 0.223 | BV/SV 7.62HP KO | 1937590000 0.188 |
| BLZP 5.00HC/09/270F SN OR BX | 1960390000 K.45 | BLZP 5.08HC/08/270 SN OR BX | 1948850000 K.100 | BUZ 10.16HP/06/180SF AG BK BX | 1924750000 0.223 | BV/SV 7.62HP KO | 1937590000 0.190 |
| BLZP 5.00HC/09/270LR SN OR BX BLZP 5.00HC/09/90 SN OR BX | 1960890000 K.45 1958190000 K.42 | BLZP 5.08HC/08/270F SN OR BX BLZP 5.08HC/08/270LR SN OR BX | 1950370000 K.101 1947590000 K.101 | BUZ 10.16HP/07/180 AG BK BX BUZ 10.16HP/07/180F AG BK BX | 1924590000 0.222 1924670000 0.223 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.192 1937590000 0.194 |
| BLZP 5.00HC/09/90F SN OR BX | 1959440000 K.43 | BLZP 5.08HC/08/90 SN OR BX | 1948060000 K.181 | BUZ 10.16HP/07/180SF AG BK BX | 1924760000 0.223 | BV/SV 7.62HP K0 | 1937590000 0.196 |
| BLZP 5.00HC/10/180 SN OR BX | 1954410000 K.40 | BLZP 5.08HC/08/90F SN OR BX | 1949860000 K.99 | BUZ 10.16HP/08/180 AG BK BX | 1924600000 0.222 | BV/SV 7.62HP KO | 1937590000 0.198 |
| BLZP 5.00HC/10/180F SN OR BX BLZP 5.00HC/10/180LR SN OR BX | 1955720000 K.41 1956290000 K.41 | BLZP 5.08HC/08/90LR SN OR BX BLZP 5.08HC/09/180 SN OR BX | 1087310000 K.99 1943650000 K.96 | BUZ 10.16HP/08/180F AG BK BX BUZ 10.16HP/08/180SF AG BK BX | 1924680000 0.223 1924770000 0.223 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.200 1937590000 R.4 |
| BLZP 5.00HC/10/270 SN OR BX | 1958790000 K.44 | BLZP 5.08HC/09/180F SN OR BX | 1944160000 K.97 | BUZ 10.16HP/09/180 AG BK BX | 1924610000 0.222 | BV/SV 7.62HP/02 ZE GR | 1937550000 0.74 |
| BLZP 5.00HC/10/270F SN OR BX | 1960380000 K.45 | BLZP 5.08HC/09/180LR SN OR BX | 1944900000 K.97 | BUZ 10.16HP/09/180F AG BK BX | 1924690000 0.223 | BV/SV 7.62HP/02 ZE GR | 1937550000 0.178 |
| BLZP 5.00HC/10/270LR SN OR BX BLZP 5.00HC/10/90 SN OR BX | 1960880000 K.45 1958160000 K.42 | BLZP 5.08HC/09/225 SN OR BX BLZP 5.08HC/09/225B SN OR BX | 1946320000 K.102 1945820000 K.103 | BUZ 10.16HP/09/180SF AG BK BX BUZ 10.16IT/02/180MF2 AG BK BX | 1924780000 0.223 1156600000 0.92 | BV/SV 7.62HP/02 ZE GR BV/SV 7.62HP/04 ZE GR | 1937550000 R.2 1937560000 0.74 |
| BLZP 5.00HC/10/90F SN OR BX | 1959430000 K.43 | BLZP 5.08HC/09/270 SN OR BX | 1948860000 K.100 | BUZ 10.16IT/02/180MF2 AG BK BX | 1156610000 0.92 | BV/SV 7.62HP/04 ZE GR | 1937560000 0.178 |
| BLZP 5.00HC/11/180 SN OR BX | 1954400000 K.40 | BLZP 5.08HC/09/270F SN OR BX | 1950380000 K.101 | BUZ 10.16IT/03/180MF2SH160 AG BK BX | 2627330000 0.80 | BV/SV 7.62HP/04 ZE GR | 1937560000 R.2 |
| BLZP 5.00HC/11/180F SN OR BX BLZP 5.00HC/11/180LR SN OR BX | 1955710000 K.41 1956280000 K.41 | BLZP 5.08HC/09/270LR SN OR BX BLZP 5.08HC/09/90 SN OR BX | 1947600000 K.101 1948070000 K.98 | BUZ 10.16IT/03/180MF2SH180 AG BK BX BUZ 10.16IT/03/180MF2SH200 AG BK BX | 2627380000 0.81 2627430000 0.81 | BVDF 7.62HP/02/180MSF2 SN BK BX BVDF 7.62HP/02/180SF SN BK BX | 2720560000 0.195 |
| BLZP 5.00HC/11/270 SN OR BX | 1956280000 K.41 1958780000 K.44 | BLZP 5.08HC/09/90F SN OR BX | 1949870000 K.99 | BUZ 10.16IT/03/180MF3 AG BK BX | 1156620000 0.93 | BVDF 7.62HP/02/180SN BK BX | 2719380000 0.195 2719370000 0.194 |
| BLZP 5.00HC/11/270F SN OR BX | 1960370000 K.45 | BLZP 5.08HC/09/90LR SN OR BX | 1087320000 K.99 | BUZ 10.16IT/03/180MF3SH160 AG BK BX | 2627350000 0.82 | BVDF 7.62HP/03/180MSF3 SN BK BX | 2720570000 0.195 |
| BLZP 5.00HC/11/270LR SN OR BX BLZP 5.00HC/11/90 SN OR BX | 1960870000 K.45 | BLZP 5.08HC/10/180 SN OR BX | 1943660000 K.96 | BUZ 10.16IT/03/180MF3SH180 AG BK BX | 2627400000 0.83 2627450000 0.83 | BVDF 7.62HP/03/180SF SN BK BX | 2720490000 0.195 |
| BLZP 5.00HC/11/90 SN OR BX | 1958130000 K.42 1959390000 K.43 | BLZP 5.08HC/10/180F SN OR BX BLZP 5.08HC/10/180LR SN OR BX | 1944170000 K.97 1944910000 K.97 | BUZ 10.16IT/03/180MF3SH200 AG BK BX BUZ 10.16IT/03/180MSF2SH160 AG BK BX | 2627450000 0.83 2627480000 0.86 | BVDF 7.62HP/03/180SN BK BX BVDF 7.62HP/04/180MSF3 SN BK BX | 2720430000 0.194 2720580000 0.195 |
| BLZP 5.00HC/12/180 SN OR BX | 1954390000 K.40 | BLZP 5.08HC/10/225 SN OR BX | 1946330000 K.102 | BUZ 10.16IT/03/180MSF2SH180 AG BK BX | 2627530000 0.87 | BVDF 7.62HP/04/180SF SN BK BX | 2720500000 0.195 |
| BLZP 5.00HC/12/180F SN OR BX | 1955700000 K.41 | BLZP 5.08HC/10/225B SN OR BX | 1945830000 K.103 | BUZ 10.16IT/03/180MSF2SH200 AG BK BX | 2627580000 0.87 | BVDF 7.62HP/04/180SN BK BX | 2720440000 0.194 |
| BLZP 5.00HC/12/180LR SN OR BX BLZP 5.00HC/12/270 SN OR BX | 1956270000 K.41 1959150000 K.44 | BLZP 5.08HC/10/270 SN OR BX BLZP 5.08HC/10/270F SN OR BX | 1948870000 K.100 1950390000 K.101 | BUZ 10.16IT/03/180MSF3SH160 AG BK BX BUZ 10.16IT/03/180MSF3SH180 AG BK BX | 2627500000 0.88 2627550000 0.89 | BVDF 7.62HP/05/180MSF4 SN BK BX BVDF 7.62HP/05/180SF SN BK BX | 2720590000 0.195 2720510000 0.195 |
| BLZP 5.00HC/12/270F SN OR BX | 1959450000 K.45 | BLZP 5.08HC/10/270LR SN OR BX | 1947610000 K.101 | BUZ 10.16IT/03/180MSF3SH200 AG BK BX | 2627600000 0.89 | BVDF 7.62HP/05/180SN BK BX | 2720450000 0.194 |
| BLZP 5.00HC/12/270LR SN OR BX | 1960860000 K.45 | BLZP 5.08HC/10/90 SN OR BX | 1948080000 K.98 | BUZ 10.16IT/04/180MF2 AG BK BX | 1156630000 0.92 | BVDF 7.62HP/06/180MSF3 SN BK BX | 2720600000 0.195 |
| BLZP 5.00HC/12/90 SN OR BX BLZP 5.00HC/12/90F SN OR BX | 1958120000 K.42 1959370000 K.43 | BLZP 5.08HC/10/90F SN OR BX BLZP 5.08HC/10/90LR SN OR BX | 1949880000 K.99 1087330000 K.99 | BUZ 10.16IT/04/180MF2SH160 AG BK BX BUZ 10.16IT/04/180MF2SH180 AG BK BX | 2627340000 0.80 2627390000 0.81 | BVDF 7.62HP/06/180SF SN BK BX BVDF 7.62HP/06/180SN BK BX | 2720520000 0.195 2720460000 0.194 |
| BLZP 5.08HC/02/180 SN OR BX | 1943580000 K.96 | BLZP 5.08HC/11/180 SN OR BX | 1943670000 K.96 | BUZ 10.16IT/04/180MF2SH200 AG BK BX | 2627440000 0.81 | BVDF 7.62HP/07/180MSF2 SN BK BX | 2720610000 0.195 |
| BLZP 5.08HC/02/180F SN OR BX | 1944090000 K.97 | BLZP 5.08HC/11/180F SN OR BX | 1944180000 K.97 | BUZ 10.16IT/04/180MF3 AG BK BX | 2000430000 0.93 | BVDF 7.62HP/07/180SF SN BK BX | 2720530000 0.195 |
| BLZP 5.08HC/02/180LR SN OR BX BLZP 5.08HC/02/225 SN OR BX | 1944830000 K.97 1946250000 K.102 | BLZP 5.08HC/11/180LR SN OR BX BLZP 5.08HC/11/225 SN OR BX | 1944920000 K.97 1946340000 K.102 | BUZ 10.16IT/04/180MF3SH160 AG BK BX BUZ 10.16IT/04/180MF3SH180 AG BK BX | 2627360000 0.82 2627410000 0.83 | BVDF 7.62HP/07/180SN BK BX BVDF 7.62HP/08/180MSF5 SN BK BX | 2720470000 0.194 2720620000 0.195 |
| BLZP 5.08HC/02/225B SN OR BX | 1945750000 K.103 | BLZP 5.08HC/11/225B SN OR BX | 1945840000 K.103 | BUZ 10.16IT/04/180MF3SH200 AG BK BX | 2627460000 0.83 | BVDF 7.62HP/08/180SF SN BK BX | 2720540000 0.195 |
| BLZP 5.08HC/02/270 SN OR BX | 1948790000 K.100 | BLZP 5.08HC/11/270 SN OR BX | 1948880000 K.100 | BUZ 10.16IT/04/180MF4 AG BK BX | 1156640000 0.93 | BVDF 7.62HP/08/180SN BK BX | 2720480000 0.194 |
| BLZP 5.08HC/02/270F SN OR BX BLZP 5.08HC/02/270LR SN OR BX | 1950310000 K.101 1947530000 K.101 | BLZP 5.08HC/11/270F SN OR BX BLZP 5.08HC/11/270LR SN OR BX | 1950400000 K.101 1947620000 K.101 | BUZ 10.16IT/04/180MF4SH160 AG BK BX BUZ 10.16IT/04/180MF4SH180 AG BK BX | 2627370000 0.84 2627420000 0.85 | BVF 7.62HP SH150 4-6 KIT BVF 7.62HP SH150 4-6 KIT | 1118480000 0.36 1118480000 0.38 |
| BLZP 5.08HC/02/90 SN OR BX | 1948000000 K.101 | BLZP 5.08HC/11/90 SN OR BX | 1948100000 K.101 | BUZ 10.16IT/04/180MF4SH200 AG BK BX | 2627470000 0.85 | BVF 7.62HP SH150 4-6 KIT | 1118480000 0.50 |
| BLZP 5.08HC/02/90F SN OR BX | 1949800000 K.99 | BLZP 5.08HC/11/90F SN OR BX | 1949890000 K.99 | BUZ 10.16IT/04/180MSF2SH160 AG BK BX | 2627490000 0.86 | BVF 7.62HP SH150 4-6 KIT | 1118480000 0.52 |
| BLZP 5.08HC/02/90LR SN OR BX BLZP 5.08HC/03/180 SN OR BX | 1087250000 K.99 1943590000 K.96 | BLZP 5.08HC/11/90LR SN OR BX BLZP 5.08HC/12/180 SN OR BX | 1087340000 K.99 1943680000 K.96 | BUZ 10.16IT/04/180MSF2SH180 AG BK BX BUZ 10.16IT/04/180MSF2SH200 AG BK BX | 2627540000 0.87 2627590000 0.87 | BVF 7.62HP SH150 4-6 KIT BVF 7.62HP SH180 4-6 KIT | 1118480000 R.3 1118470000 0.36 |
| BLZP 5.08HC/03/180F SN OR BX | 1944100000 K.97 | BLZP 5.08HC/12/180F SN OR BX | 1944190000 K.96 | BUZ 10.16IT/04/180MSF3SH160 AG BK BX | 2627510000 0.88 | BVF 7.62HP SH180 4-6 KIT | 1118470000 0.38 |
| BLZP 5.08HC/03/180LR SN OR BX | 1944840000 K.97 | BLZP 5.08HC/12/180LR SN OR BX | 1944930000 K.97 | BUZ 10.16IT/04/180MSF3SH180 AG BK BX | 2627560000 0.89 | BVF 7.62HP SH180 4-6 KIT | 1118470000 0.50 |
| BLZP 5.08HC/03/225 SN OR BX BLZP 5.08HC/03/225B SN OR BX | 1946260000 K.102 1945760000 K.103 | BLZP 5.08HC/12/225 SN OR BX BLZP 5.08HC/12/225B SN OR BX | 1946350000 K.102 1945850000 K.103 | BUZ 10.16IT/04/180MSF3SH200 AG BK BX BUZ 10.16IT/04/180MSF4SH160 AG BK BX | 2627610000 0.89 2627520000 0.90 | BVF 7.62HP SH180 4-6 KIT BVF 7.62HP SH180 4-6 KIT | 1118470000 0.52 1118470000 R.3 |
| BLZP 5.08HC/03/229B SN OR BX | 1948800000 K.100 | BLZP 5.08HC/12/270 SN OR BX | 1948890000 K.100 | BUZ 10.16IT/04/180MSF4SH180 AG BK BX | 2627570000 0.91 | BVF 7.62HP SH210 4-6 KIT | 1118490000 0.36 |
| BLZP 5.08HC/03/270F SN OR BX | 1950320000 K.101 | BLZP 5.08HC/12/270F SN OR BX | 1950410000 K.101 | BUZ 10.16IT/04/180MSF4SH200 AG BK BX | 2627620000 0.91 | BVF 7.62HP SH210 4-6 KIT | 1118490000 0.38 |
| BLZP 5.08HC/03/270LR SN OR BX BLZP 5.08HC/03/90 SN OR BX | 1947540000 K.101 1948010000 K.98 | BLZP 5.08HC/12/270LR SN OR BX BLZP 5.08HC/12/90 SN OR BX | 1947630000 K.101 1948110000 K.98 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 1937590000 0.10 1937590000 0.12 | BVF 7.62HP SH210 4-6 KIT BVF 7.62HP SH210 4-6 KIT | 1118490000 0.50 1118490000 0.52 |
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|----------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------|--------------------------------------|
| BVF 7.62HP SH210 4-6 KIT | 1118490000 R.3 | BVF 7.62HP/06/180MSF3 SN BK BX | 2630320000 0.189 | BVL 7.62HP/02/270 3.5SN BK BX | 1929300000 0.200 | BVZ 7.62HP/08/180 SN BK BX | 1929990000 0.178 |
| BVF 7.62HP/02/180 BCF/04R SN BK BX | 1080550000 0.34 | BVF 7.62HP/06/180MSF4 SN BK BX | 1060700000 0.189 | BVL 7.62HP/02/270FI 3.5SN BK BX | 1929410000 0.201 | BVZ 7.62HP/08/180F SN BK BX | 1930110000 0.179 |
| BVF 7.62HP/02/180 BCF/06R SN BK BX BVF 7.62HP/02/180 BCF/08R SN BK BX | 1080320000 0.34 1156440000 0.34 | BVF 7.62HP/06/180SF SN BK BX BVF 7.62HP/4/180MF4 BCF/4 SNBKBX SH180 | 1060540000 0.185 2681760000 0.40 | BVL 7.62HP/02/270SFI 3.5SN BK BX BVL 7.62HP/02/90 3.5SN BK BX | 1929520000 0.201 1928280000 0.196 | BVZ 7.62HP/08/180SF SN BK BX BVZ 7.62HP/09/180 SN BK BX | 1930220000 0.179 1930000000 0.178 |
| BVF 7.62HP/02/180 SN BK BX | 1060390000 0.184 | BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SH18 | | BVL 7.62HP/02/90FI 3.5SN BK BX | 1928390000 0.197 | BVZ 7.62HP/09/180F SN BK BX | 1930120000 0.179 |
| BVF 7.62HP/02/180F SN BK BX BVF 7.62HP/02/180MF2 BCF/04R SN BK BX | 1060440000 0.185 1081610000 0.36 | BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP150 BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP180 | | BVL 7.62HP/02/90SFI 3.5SN BK BX BVL 7.62HP/03/180 3.5SN BK BX | 1928500000 0.197 1928620000 0.198 | BVZ 7.62HP/09/180SF SN BK BX BVZ 7.62HP/10/180 SN BK BX | 1930230000 0.179 1930020000 0.178 |
| BVF 7.62HP/02/180MF2 BCF/06R SN BK BX | 1081030000 0.36 | BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP210 | | BVL 7.62HP/03/180FI 3.5SN BK BX | 1928740000 0.199 | BVZ 7.62HP/10/180F SN BK BX | 1930130000 0.179 |
| BVF 7.62HP/02/180MF2 BCF/08R SN BK BX BVF 7.62HP/02/180MF2 SN BK BX | 1157090000 0.36 1060550000 0.186 | BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP90 BVFL 7.62HP/02/180 BCF/04R SN BK BX | 2614040000 0.42 2549310000 0.44 | BVL 7.62HP/03/180SFI 3.5SN BK BX BVL 7.62HP/03/270 3.5SN BK BX | 1928850000 0.199 1929310000 0.200 | BVZ 7.62HP/10/180SF SN BK BX BVZ 7.62HP/11/180 SN BK BX | 1930240000 0.179 1930030000 0.178 |
| BVF 7.62HP/02/180MSF2 BCF/04R SN BK BX | 1081930000 0.180 | BVFL 7.62HP/02/180 SN BK BX | 2548870000 0.190 | BVL 7.62HP/03/270FI 3.5SN BK BX | 1929420000 0.201 | BVZ 7.62HP/11/180F SN BK BX | 1930140000 0.179 |
| BVF 7.62HP/02/180MSF2 BCF/06R SN BK BX | 1082080000 0.38 | BVFL 7.62HP/02/180F SN BK BX | 2549280000 0.191 | BVL 7.62HP/03/270SFI 3.5SN BK BX | 1929530000 0.201 | BVZ 7.62HP/11/180SF SN BK BX | 1930250000 0.179 |
| BVF 7.62HP/02/180MSF2 BCF/08R SN BK BX BVF 7.62HP/02/180MSF2 SN BK BX | 1157100000 0.38 1060630000 0.188 | BVFL 7.62HP/02/180MF2 BCF/04R SN BK BX BVFL 7.62HP/02/180MF2 BCF/06R SN BK BX | 2549320000 0.50 2628330000 0.50 | BVL 7.62HP/03/90 3.5SN BK BX BVL 7.62HP/03/90FI 3.5SN BK BX | 1928290000 0.196 1928400000 0.197 | BVZ 7.62HP/12/180 SN BK BX BVZ 7.62HP/12/180F SN BK BX | 1930040000 0.178 1930150000 0.179 |
| BVF 7.62HP/02/180SF SN BK BX | 1060500000 0.185 | BVFL 7.62HP/02/180MF2 BCF/08R SN BK BX | 2628690000 0.50 | BVL 7.62HP/03/90SFI 3.5SN BK BX | 1928510000 0.197 | BVZ 7.62HP/12/180SF SN BK BX | 1930260000 0.179 |
| BVF 7.62HP/03/180 BCF/04R SN BK BX BVF 7.62HP/03/180 BCF/06R SN BK BX | 1080490000 0.34 1080570000 0.34 | BVFL 7.62HP/02/180MF2 SN BK BX BVFL 7.62HP/02/180MSF2 BCF/04R SN BK BX | 2549300000 0.192 | BVL 7.62HP/04/180 3.5SN BK BX BVL 7.62HP/04/180FI 3.5SN BK BX | 1928630000 0.198 1928750000 0.199 | BVZ 7.62IT/02/180MF2 SN BK BX BVZ 7.62IT/03/180MF2 SN BK BX | 1156710000 0.74 1156720000 0.74 |
| BVF 7.62HP/03/180 BCF/08R SN BK BX | 1156450000 0.34 | BVFL 7.62HP/02/180MSF2 BCF/06R SN BK BX | | BVL 7.62HP/04/180SFI 3.5SN BK BX | 1928860000 0.199 | BVZ 7.62IT/03/180MF3 SN BK BX | 1156730000 0.75 |
| BVF 7.62HP/03/180 SN BK BX | 1060400000 0.184 | BVFL 7.62HP/02/180MSF2 BCF/08R SN BK BX | | BVL 7.62HP/04/270 3.5SN BK BX | 1929320000 0.200 | BVZ 7.62IT/04/180MF2 SN BK BX | 1156740000 0.74 |
| BVF 7.62HP/03/180F SN BK BX BVF 7.62HP/03/180MF2 BCF/04R SN BK BX | 1060450000 0.185 1157110000 0.36 | BVFL 7.62HP/03/180 BCF/04R SN BK BX BVFL 7.62HP/03/180 BCF/06R SN BK BX | 2549400000 0.44 2549410000 0.44 | BVL 7.62HP/04/270FI 3.5SN BK BX BVL 7.62HP/04/270SFI 3.5SN BK BX | 1929430000 0.201 1929540000 0.201 | BVZ 7.62IT/04/180MF3 SN BK BX BVZ 7.62IT/04/180MF4 SN BK BX | 1312730000 0.75 1156750000 0.75 |
| BVF 7.62HP/03/180MF2 BCF/06R SN BK BX | 1157120000 0.36 | BVFL 7.62HP/03/180 BCF/08R SN BK BX | 2549420000 0.44 | BVL 7.62HP/04/90 3.5SN BK BX | 1928300000 0.196 | _ | |
| BVF 7.62HP/03/180MF2 BCF/08R SN BK BX BVF 7.62HP/03/180MF2 SN BK BX | 1157130000 0.36 1060570000 0.186 | BVFL 7.62HP/03/180 SN BK BX BVFL 7.62HP/03/180F SN BK BX | 2548880000 0.190 2549340000 0.191 | BVL 7.62HP/04/90FI 3.5SN BK BX BVL 7.62HP/04/90SFI 3.5SN BK BX | 1928410000 0.197 1928520000 0.197 | C | |
| BVF 7.62HP/03/180MF3 BCF/04R SN BK BX | 1081630000 0.37 | BVFL 7.62HP/03/180MF2 BCF/04R SN BK BX | 2628720000 0.50 | BVL 7.62HP/05/180 3.5SN BK BX | 1928650000 0.198 | CB1,6E14-12 AU,75 I3,5 | 1428900000 L.16 |
| BVF 7.62HP/03/180MF3 BCF/06R SN BK BX | 1081720000 0.37 | BVFL 7.62HP/03/180MF2 BCF/06R SN BK BX | 2628730000 0.50 | BVL 7.62HP/05/180FI 3.5SN BK BX | 1928760000 0.199 | CB1,6E14-12 AU,75 I4,2 | 1582450000 L.16 |
| BVF 7.62HP/03/180MF3 BCF/08R SN BK BX BVF 7.62HP/03/180MF3 SN BK BX | 1157170000 0.37 1060580000 0.187 | BVFL 7.62HP/03/180MF2 BCF/08R SN BK BX BVFL 7.62HP/03/180MF2 SN BK BX | 2628740000 0.50 2549360000 0.192 | BVL 7.62HP/05/180SFI 3.5SN BK BX BVL 7.62HP/05/270 3.5SN BK BX | 1928870000 0.199 1929330000 0.200 | CB1,6E14-12 SN I3,5 CB1,6E14-12 SN I4,2 | 1429900000 L.16 1582470000 L.16 |
| BVF 7.62HP/03/180MSF2 BCF/04R SN BK BX | 1157440000 0.38 | BVFL 7.62HP/03/180MF3 BCF/04R SN BK BX | 2549460000 0.51 | BVL 7.62HP/05/270FI 3.5SN BK BX | 1929440000 0.201 | CB1,6E18-16 AU,75 I2,5 | 1426900000 L.16 |
| BVF 7.62HP/03/180MSF2 BCF/06R SN BK BX BVF 7.62HP/03/180MSF2 BCF/08R SN BK BX | 1157450000 0.38 1157470000 0.38 | BVFL 7.62HP/03/180MF3 BCF/06R SN BK BX BVFL 7.62HP/03/180MF3 BCF/08R SN BK BX | 2549470000 0.51 2549480000 0.51 | BVL 7.62HP/05/270SFI 3.5SN BK BX BVL 7.62HP/05/90 3.5SN BK BX | 1929550000 0.201 1928310000 0.196 | CB1,6E18-16 AU,75 I3,5 CB1,6E18-16 SN I2,5 | 1582410000 L.16 1427900000 L.16 |
| BVF 7.62HP/03/180MSF2 SN BK BX | 1060640000 0.188 | BVFL 7.62HP/03/180MF3 SN BK BX | 2549370000 0.193 | BVL 7.62HP/05/90FI 3.5SN BK BX | 1928420000 0.197 | CB1,6E18-16 SN I3,5 | 1582430000 L.16 |
| BVF 7.62HP/03/180MSF3 BCF/04R SN BK BX | 1082110000 0.39 | BVFL 7.62HP/03/180MSF2 BCF/04R SN BK BX | | BVL 7.62HP/05/90SFI 3.5SN BK BX | 1928530000 0.197 | CB1,6E22-20 AU,75 I1,8 | 1422900000 L.16 |
| BVF 7.62HP/03/180MSF3 BCF/06R SN BK BX BVF 7.62HP/03/180MSF3 BCF/08R SN BK BX | 1081730000 0.39 1157190000 0.39 | BVFL 7.62HP/03/180MSF2 BCF/06R SN BK BX BVFL 7.62HP/03/180MSF2 BCF/08R SN BK BX | | BVL 7.62HP/06/180 3.5SN BK BX BVL 7.62HP/06/180FI 3.5SN BK BX | 1928660000 0.198 1928770000 0.199 | CB1,6E22-20 AU,75 I2,5 CB1,6E22-20 SN I1,8 | 1424900000 L.16 1423900000 L.16 |
| BVF 7.62HP/03/180MSF3 SN BK BX | 1060650000 0.189 | BVFL 7.62HP/03/180MSF3 BCF/04R SN BK BX | 2549540000 0.53 | BVL 7.62HP/06/180SFI 3.5SN BK BX | 1928900000 0.199 | CB1,6E22-20 SN I2,5 | 1425900000 L.16 |
| BVF 7.62HP/03/180SF SN BK BX BVF 7.62HP/04/180 BCF/04R SN BK BX | 1060510000 0.185 1080510000 0.34 | BVFL 7.62HP/03/180MSF3 BCF/06R SN BK BX BVFL 7.62HP/03/180MSF3 BCF/08R SN BK BX | | BVL 7.62HP/06/270 3.5SN BK BX BVL 7.62HP/06/270FI 3.5SN BK BX | 1929340000 0.200 1929450000 0.201 | CB1,6E26-24 AU,75 I1,4 CB1,6E26-24 SN I1,4 | 1420900000 L.16 1421900000 L.16 |
| BVF 7.62HP/04/180 BCF/06R SN BK BX | 1080440000 0.34 | BVFL 7.62HP/04/180 BCF/04R SN BK BX | 1547560000 0.44 | BVL 7.62HP/06/270SFI 3.5SN BK BX | 1929560000 0.201 | CB1,6R14-12 AU,75 I3,5 | 1428800000 L.16 |
| BVF 7.62HP/04/180 BCF/08R SN BK BX | 1156470000 0.34 | BVFL 7.62HP/04/180 BCF/06R SN BK BX | 2549430000 0.44 | BVL 7.62HP/06/90 3.5SN BK BX | 1928320000 0.196 | CB1,6R14-12 AU,75 I4,2 | 1582460000 L.16 |
| BVF 7.62HP/04/180 SN BK BX BVF 7.62HP/04/180F SN BK BX | 1060410000 0.184 1060470000 0.185 | BVFL 7.62HP/04/180 BCF/08R SN BK BX BVFL 7.62HP/04/180 SN BK BX | 2549440000 0.44 1547520000 0.190 | BVL 7.62HP/06/90FI 3.5SN BK BX BVL 7.62HP/06/90SFI 3.5SN BK BX | 1928430000 0.197 1928540000 0.197 | CB1,6R14-12 SN I3,5 CB1,6R14-12 SN I4,2 | 1429800000 L.16 1582480000 L.16 |
| BVF 7.62HP/04/180MF2 BCF/04R SN BK BX | 2628320000 0.36 | BVFL 7.62HP/04/180F SN BK BX | 1547530000 0.191 | BVL 7.62HP/07/180 3.5SN BK BX | 1928670000 0.198 | CB1,6R18-16 AU,75 I2,5 | 1426800000 L.16 |
| BVF 7.62HP/04/180MF2 BCF/06R SN BK BX BVF 7.62HP/04/180MF2 BCF/08R SN BK BX | 2628340000 0.36 2628350000 0.36 | BVFL 7.62HP/04/180MF2 BCF/04R SN BK BX BVFL 7.62HP/04/180MF2 BCF/06R SN BK BX | 2628780000 0.50 2628790000 0.50 | BVL 7.62HP/07/180FI 3.5SN BK BX BVL 7.62HP/07/180SFI 3.5SN BK BX | 1928780000 0.199 1928910000 0.199 | CB1,6R18-16 AU,75 I3,5 CB1,6R18-16 SN I2,5 | 1582420000 L.16 1427800000 L.16 |
| BVF 7.62HP/04/180MF2 SN BK BX | 1430120000 0.186 | BVFL 7.62HP/04/180MF2 BCF/08R SN BK BX | 2628800000 0.50 | BVL 7.62HP/07/270 3.5SN BK BX | 1929350000 0.200 | CB1,6R18-16 SN I3,5 | 1582440000 L.16 |
| BVF 7.62HP/04/180MF3 BCF/04R SN BK BX | 2628450000 0.37 2628460000 0.37 | BVFL 7.62HP/04/180MF2 SN BK BX BVFL 7.62HP/04/180MF3 BCF/04R SN BK BX | 2630700000 0.192 2628900000 0.51 | BVL 7.62HP/07/270FI 3.5SN BK BX BVL 7.62HP/07/270SFI 3.5SN BK BX | 1929460000 0.201 1929570000 0.201 | CB1,6R22-20 AU,75 I1,8 CB1,6R22-20 AU,75 I2,5 | 1422800000 L.16 1424800000 L.16 |
| BVF 7.62HP/04/180MF3 BCF/06R SN BK BX BVF 7.62HP/04/180MF3 BCF/08R SN BK BX | 2628470000 0.37 | BVFL 7.62HP/04/180MF3 BCF/06R SN BK BX | 2628900000 0.51 2628910000 0.51 | BVL 7.62HP/07/90 3.5SN BK BX | 1928330000 0.196 | CB1,6R22-20 SN I1,8 | 1423800000 L.16 |
| BVF 7.62HP/04/180MF3 SN BK BX | 1060590000 0.187 | BVFL 7.62HP/04/180MF3 BCF/08R SN BK BX | 2628920000 0.51 | BVL 7.62HP/07/90FI 3.5SN BK BX | 1928440000 0.197 | CB1,6R22-20 SN I2,5 | 1425800000 L.16 |
| BVF 7.62HP/04/180MF4 BCF/04R SN BK BX BVF 7.62HP/04/180MF4 BCF/06R SN BK BX | 1081150000 0.37 1082020000 0.37 | BVFL 7.62HP/04/180MF3 SN BK BX BVFL 7.62HP/04/180MF4 BCF/04R SN BK BX | 1547540000 0.193 1547590000 0.51 | BVL 7.62HP/07/90SFI 3.5SN BK BX BVZ 7.62HP/02/180 SN BK BX | 1928550000 0.197 1929930000 0.178 | CB1,6R26-24 AU,75 I1,4 CB1,6R26-24 SN I1,4 | 1420800000 L.16 1421800000 L.16 |
| BVF 7.62HP/04/180MF4 BCF/08R SN BK BX | 1157200000 0.37 | BVFL 7.62HP/04/180MF4 BCF/06R SN BK BX | 2549490000 0.51 | BVZ 7.62HP/02/180F SN BK BX | 1930050000 0.179 | CH20M BUS 4.50/05 AU/250 | 1248220000 S.40 |
| BVF 7.62HP/04/180MF4 SN BK BX BVF 7.62HP/04/180MSF2 BCF/04R SN BK BX | 1430140000 0.187 2628510000 0.38 | BVFL 7.62HP/04/180MF4 BCF/08R SN BK BX BVFL 7.62HP/04/180MF4 SN BK BX | 2549500000 0.51 2630740000 0.193 | BVZ 7.62HP/02/180SF SN BK BX BVZ 7.62HP/02/180SFC SN BK BX | 1930160000 0.179 1929740000 0.179 | CH20M BUS 4.50/05 AU/500 CH20M BUS 4.50/05 AU/750 | 1248230000 S.40 1248240000 S.40 |
| BVF 7.62HP/04/180MSF2 BCF/06R SN BK BX | 2628520000 0.38 | BVFL 7.62HP/04/180MSF2 BCF/04R SN BK BX | | BVZ 7.62HP/03/180 SN BK BX | 1929940000 0.178 | CH20M BUS-ADP TS 35/250 | 1248250000 S.40 |
| BVF 7.62HP/04/180MSF2 BCF/08R SN BK BX | 2628530000 0.38 | BVFL 7.62HP/04/180MSF2 BCF/06R SN BK BX | | BVZ 7.62HP/03/180F SN BK BX | 1930060000 0.179 | CH20M BUS-ADP TS 35/500 | 1248260000 S.40 |
| BVF 7.62HP/04/180MSF2 SN BK BX BVF 7.62HP/04/180MSF3 BCF/04R SN BK BX | 1430090000 0.188 2628630000 0.39 | BVFL 7.62HP/04/180MSF2 BCF/08R SN BK BX BVFL 7.62HP/04/180MSF3 BCF/04R SN BK BX | | BVZ 7.62HP/03/180RSH150 SN BK BX BVZ 7.62HP/03/180RSH180 SN BK BX | 1929850000 0.180 1933340000 0.181 | CH20M BUS-ADP TS 35/750 CH20M BUS-AP LI TS 35X7.5 & 15 | 1248270000 S.40 1193160000 S.40 |
| BVF 7.62HP/04/180MSF3 BCF/06R SN BK BX | | BVFL 7.62HP/04/180MSF3 BCF/06R SN BK BX | | BVZ 7.62HP/03/180RSH210 SN BK BX | 1933430000 0.181 | CH20M BUS-AP RE TS 35X7.5 & 15 | 1193170000 S.40 |
| BVF 7.62HP/04/180MSF3 BCF/08R SN BK BX BVF 7.62HP/04/180MSF3 SN BK BX | 2628650000 0.39 1060670000 0.189 | BVFL 7.62HP/04/180MSF3 BCF/08R SN BK BX BVFL 7.62HP/04/180MSF4 BCF/04R SN BK BX | | BVZ 7.62HP/03/180SF SN BK BX BVZ 7.62HP/03/180SFC SN BK BX | 1930170000 0.179 1929750000 0.179 | CH20M BUS-PROFIL TS 35X15/250 CH20M BUS-PROFIL TS 35X15/500 | 1248180000 S.40 1248190000 S.40 |
| BVF 7.62HP/04/180MSF4 BCF/04R SN BK BX | 1081660000 0.39 | BVFL 7.62HP/04/180MSF4 BCF/06R SN BK BX | 2549570000 0.53 | BVZ 7.62HP/03/180SH150C SN BK BX | 1929890000 0.182 | CH20M BUS-PROFIL TS 35X15/750 | 1248210000 S.40 |
| BVF 7.62HP/04/180MSF4 BCF/06R SN BK BX BVF 7.62HP/04/180MSF4 BCF/08R SN BK BX | 1081750000 0.39 1157210000 0.39 | BVFL 7.62HP/04/180MSF4 BCF/08R SN BK BX BVFL 7.62HP/05/180 BCF/04R SN BK BX | 2549580000 0.53 2549450000 0.44 | BVZ 7.62HP/03/180SH180C SN BK BX BVZ 7.62HP/03/180SH210C SN BK BX | 1933380000 0.183 1933470000 0.183 | CH20M BUS-PROFIL TS 35X7.5/250 CH20M BUS-PROFIL TS 35X7.5/500 | 1248150000 S.40 1248160000 S.40 |
| BVF 7.62HP/04/180MSF4 SN BK BX | 1430110000 0.189 | BVFL 7.62HP/05/180 SN BK BX | 2548890000 0.190 | BVZ 7.62HP/04/180 SN BK BX | 1929950000 0.178 | CH20M BUS-PR0FIL TS 35X7.5/750 | 1248170000 S.40 |
| BVF 7.62HP/04/180SF SN BK BX | 1060520000 0.185 | BVFL 7.62HP/05/180F SN BK BX | 2549350000 0.191 | BVZ 7.62HP/04/180F SN BK BX | 1930070000 0.179 | CH20M FE 12-67 1.5SN RL | 1189370000 S.39 |
| BVF 7.62HP/05/180 BCF/08R SN BK BX BVF 7.62HP/05/180 SN BK BX | 1156480000 0.34 1060420000 0.184 | BVFL 7.62HP/05/180MF2 BCF/04R SN BK BX BVFL 7.62HP/05/180MF2 BCF/06R SN BK BX | 2628840000 0.50 2628850000 0.50 | BVZ 7.62HP/04/180RSH150SN BK BX BVZ 7.62HP/04/180RSH180 SN BK BX | 1929860000 0.180 1933350000 0.181 | CH20M FE 12-67 3.2SN RL CH20M12 B AGY/BK 3747 | 1264240000 S.39 2554620000 S.22 |
| BVF 7.62HP/05/180F SN BK BX | 1060480000 0.185 | BVFL 7.62HP/05/180MF2 BCF/08R SN BK BX | 2628860000 0.50 | BVZ 7.62HP/04/180RSH210 SN BK BX | 1933440000 0.181 | CH20M12 B BK/BK 2010 | 1104170000 S.22 |
| BVF 7.62HP/05/180MF2 BCF/04R SN BK BX BVF 7.62HP/05/180MF2 BCF/06R SN BK BX | 2628390000 0.36 2628400000 0.36 | BVFL 7.62HP/05/180MF2 SN BK BX BVFL 7.62HP/05/180MF3 BCF/04R SN BK BX | 2630710000 0.192 2628960000 0.51 | BVZ 7.62HP/04/180SF SN BK BX BVZ 7.62HP/04/180SFC SN BK BX | 1930180000 0.179 1929760000 0.179 | CH20M12 B BK/OR 2010 CH20M12 B BUS BK/BK 2010 | 1104180000 S.22 1366350000 S.22 |
| BVF 7.62HP/05/180MF2 BCF/08R SN BK BX | 2628410000 0.36 | BVFL 7.62HP/05/180MF3 BCF/06R SN BK BX | 2628970000 0.51 | BVZ 7.62HP/04/180SH150C SN BK BX | 1929900000 0.182 | CH20M12 B BUS BK/OR 2010 | 1176980000 S.22 |
| BVF 7.62HP/05/180MF2 SN BK BX BVF 7.62HP/05/180MF3 BCF/04R SN BK BX | 1430130000 0.186 1157220000 0.37 | BVFL 7.62HP/05/180MF3 BCF/08R SN BK BX BVFL 7.62HP/05/180MF3 SN BK BX | 2628980000 0.51 2549380000 0.193 | BVZ 7.62HP/04/180SH180C SN BK BX BVZ 7.62HP/04/180SH210C SN BK BX | 1933390000 0.183 1933480000 0.183 | CH20M12 B BUS LGY/BK 2018 CH20M12 B FE BK/OR 2010 | 1310520000 S.22 1176990000 S.22 |
| BVF 7.62HP/05/180MF3 BCF/06R SN BK BX | 1157230000 0.37 | BVFL 7.62HP/05/180MF4 BCF/04R SN BK BX | 2549510000 0.193 2549510000 0.51 | BVZ 7.62HP/05/180 SN BK BX | 1929960000 0.178 | CH20M12 B LGY/BK 2018 | 1294310000 S.22 |
| BVF 7.62HP/05/180MF3 BCF/08R SN BK BX | 1157240000 0.37 | BVFL 7.62HP/05/180MF4 BCF/06R SN BK BX | 2549520000 0.51 | BVZ 7.62HP/05/180F SN BK BX | 1930080000 0.179 | CH20M12 C BK 1819 | 1104240000 S.22 |
| BVF 7.62HP/05/180MF3 SN BK BX BVF 7.62HP/05/180MF4 BCF/04R SN BK BX | 1060600000 0.187 1082140000 0.37 | BVFL 7.62HP/05/180MF4 BCF/08R SN BK BX BVFL 7.62HP/05/180MF4 SN BK BX | 2549530000 0.51 2549390000 0.193 | BVZ 7.62HP/05/180RSH150 SN BK BX BVZ 7.62HP/05/180RSH180 SN BK BX | 1929870000 0.180 1933360000 0.181 | CH20M12 C TP 8089 CH20M12 F AGY 3747 | 1104250000 S.22 2554760000 S.22 |
| BVF 7.62HP/05/180MF4 BCF/06R SN BK BX | 1081760000 0.37 | BVFL 7.62HP/05/180MSF2 BCF/04R SN BK BX | | BVZ 7.62HP/05/180RSH210 SN BK BX | 1933450000 0.181 | CH20M12 F BK 2010 | 1104190000 S.22 |
| BVF 7.62HP/05/180MF4 BCF/08R SN BK BX BVF 7.62HP/05/180MF4 SN BK BX | 1157250000 0.37 1060610000 0.187 | BVFL 7.62HP/05/180MSF2 BCF/06R SN BK BX BVFL 7.62HP/05/180MSF2 BCF/08R SN BK BX | | BVZ 7.62HP/05/180SF SN BK BX BVZ 7.62HP/05/180SFC SN BK BX | 1930190000 0.179 1929770000 0.179 | CH20M12 F LGY 2018 CH20M12 S PPP AGY 3747 | 1294350000 S.22 2554690000 S.23 |
| BVF 7.62HP/05/180MSF2 BCF/04R SN BK BX | 2628570000 0.38 | BVFL 7.62HP/05/180MSF3 BCF/04R SN BK BX | | BVZ 7.62HP/05/180SH150C SN BK BX | 1929910000 0.182 | CH20M12 S PPP BK 2010 | 1174280000 S.23 |
| BVF 7.62HP/05/180MSF2 BCF/06R SN BK BX BVF 7.62HP/05/180MSF2 BCF/08R SN BK BX | 2628580000 0.38 | BVFL 7.62HP/05/180MSF3 BCF/06R SN BK BX BVFL 7.62HP/05/180MSF3 BCF/08R SN BK BX | | BVZ 7.62HP/05/180SH180C SN BK BX BVZ 7.62HP/05/180SH210C SN BK BX | 1933400000 0.183 1933490000 0.183 | CH20M12 S PPP BL 2013 CH20M12 S PPP LGY 2018 | 1294340000 S.23 1294330000 S.23 |
| BVF 7.62HP/05/180MSF2 SN BK BX | 2628590000 0.38 1430100000 0.188 | BVFL 7.62HP/05/180MSF4 BCF/04R SN BK BX | | BVZ 7.62HP/06/180 SN BK BX | 1929970000 0.178 | CH20M12 S PPSC AGY 3747 | 2554860000 S.23 |
| BVF 7.62HP/05/180MSF3 BCF/04R SN BK BX | 1157270000 0.39 | BVFL 7.62HP/05/180MSF4 BCF/06R SN BK BX | 2549600000 0.53 | BVZ 7.62HP/06/180F SN BK BX | 1930090000 0.179 | CH20M12 S PPSC BK 2010 | 1104200000 S.23 |
| BVF 7.62HP/05/180MSF3 BCF/06R SN BK BX BVF 7.62HP/05/180MSF3 BCF/08R SN BK BX | 1157280000 0.39 1157290000 0.39 | BVFL 7.62HP/05/180MSF4 BCF/08R SN BK BX BVFL 7.62HP/06/180MF2 SN BK BX | 2549610000 0.53 2630720000 0.192 | BVZ 7.62HP/06/180RSH150 SN BK BX BVZ 7.62HP/06/180RSH180 SN BK BX | 1929880000 0.180 1933370000 0.181 | CH20M12 S PPSC BL 2013 CH20M12 S PPSC LGY 2018 | 1104220000 S.23 1294320000 S.23 |
| BVF 7.62HP/05/180MSF3 SN BK BX | 1060680000 0.189 | BVFL 7.62HP/06/180MF3 SN BK BX | 2630730000 0.193 | BVZ 7.62HP/06/180RSH210 SN BK BX | 1933460000 0.181 | CH20M12 S PSCSC AGY | 2638340000 S.23 |
| BVF 7.62HP/05/180MSF4 BCF/04R SN BK BX BVF 7.62HP/05/180MSF4 BCF/06R SN BK BX | 1080940000 0.39 1080720000 0.39 | BVFL 7.62HP/4/180MF4 BCF/4 SNBKBX SH180 BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SH180 | | BVZ 7.62HP/06/180SF SN BK BX BVZ 7.62HP/06/180SFC SN BK BX | 1930200000 0.179 1929780000 0.179 | CH20M12 S PSCSC BK 2010 CH20M12 S PSCSC BL 2013 | 1104210000 S.23 1104230000 S.23 |
| BVF 7.62HP/05/180MSF4 BCF/08R SN BK BX | 1157300000 0.39 | BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP150 | | BVZ 7.62HP/06/180SH150C SN BK BX | 1929920000 0.179 | CH20M12 S PSCSC LGY 2018 | 1312680000 S.23 |
| BVF 7.62HP/05/180MSF4 SN BK BX | 1060690000 0.189 | BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP180 | 2633390000 0.49 | BVZ 7.62HP/06/180SH180C SN BK BX | 1933410000 0.183 | CH20M17 B AGY/BK 3747 | 2554640000 S.24 |
| BVF 7.62HP/05/180SF SN BK BX BVF 7.62HP/06/180F SN BK BX | 1060530000 0.185 1060490000 0.185 | BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP210 BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP90 | | BVZ 7.62HP/06/180SH210C SN BK BX BVZ 7.62HP/07/180 SN BK BX | 1933500000 0.183 1929980000 0.178 | CH20M17 B BK/BK 2010 CH20M17 B BK/OR 2010 | 1254120000 S.24 1254130000 S.24 |
| BVF 7.62HP/06/180MF2 SN BK BX | 2629920000 0.186 | BVL 7.62HP/02/180 3.5SN BK BX | 1928610000 0.198 | BVZ 7.62HP/07/180F SN BK BX | 1930100000 0.179 | CH20M17 B BL/BK 2013 | 1544520000 S.24 |
| BVF 7.62HP/06/180MF3 SN BK BX BVF 7.62HP/06/180MF4 SN BK BX | 2630270000 0.187 1060620000 0.187 | BVL 7.62HP/02/180FI 3.5SN BK BX BVL 7.62HP/02/180SFI 3.5SN BK BX | 1928730000 0.199 1928840000 0.199 | BVZ 7.62HP/07/180SF SN BK BX BVZ 7.62HP/07/180SFC SN BK BX | 1930210000 0.179 1929790000 0.179 | CH20M17 B BUS BK/BK 2010 CH20M17 B BUS BK/OR 2010 | 1366280000 S.24 1254180000 S.24 |
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| CH20M17 B FE BK/BK 2010 | 1378000000 S.24 | CH20M45 S 3SC/2PSC BK 2010 | 1137750000 S.29 | CSL1,6R26-24 SN I1,4 | 1565900000 L.16 | FC20 PN/40A S1 B BX | 2827190000 G.21 |
| CH20M17 B FE BK/OR 2010 CH20M17 C BK 1819 | 1254190000 S.24 | CH20M45 S 3SC/2PSC LGY 2018 CH20M45 S P2SC/P2SC BK 2010 | 2585490000 S.29 | D | | FC20 PN/50A S1 B BX FC20 PN/68A S1 B BX | 2827250000 G.21 |
| CH20M17 C TP 8089 | 1254150000 S.24 1254160000 S.24 | CH20M45 S P2SC/P2SC BL 2010 | 1166180000 S.29 2579670000 S.29 | D | | FC20 PN/80A S1 B BX | 2827310000 G.21 2827370000 G.21 |
| CH20M17 F AGY 3747 | 2554750000 S.24 | CH20M45 S RPSC/2PSC BK 2010 | 1500040000 S.29 | DEK 5 NEUTRAL | 0473360000 N.18 | FC20 TN/12A S1 B BX | 2826920000 G.23 |
| CH20M17 F BK 2010 CH20M17 F LGY 2018 | 1254140000 S.24 1529530000 S.24 | CH20M6 BC 4P-4P AGY 1 1293807 CH20M6 BC 4P-4P BK 1 1261494 | 2771210000 S.21 2771160000 S.21 | DEK 5 NEUTRAL DEK 5 NEUTRAL | 0473360000 N.19 0473360000 N.20 | FC20 TN/16A S1 B BX FC20 TN/20A S1 B BX | 2826980000 G.23 2827040000 G.23 |
| CH20M17 FC BK 2010 | 1529530000 S.24 2655080000 S.24 | CH20M6 BC 4P-4P BUS AGY 1 1293807 | 2771100000 3.21 2771220000 S.21 | DEK 5 NEUTRAL | 0473360000 N.21 | FC20 TN/26A S1 B BX | 2827100000 G.23 |
| CH20M17 FC TYL 2083 | 2655070000 S.24 | CH20M6 BC 4P-4P BUS BK 1 1261494 | 2771130000 S.21 | DEK 5 NEUTRAL | 0473360000 N.22 | FC20 TN/32A S1 B BX | 2827160000 G.23 |
| CH20M17 S PPP AGY 3747 CH20M17 S PPP BK 2010 | 2554700000 S.25 1254170000 S.25 | CH20M6 BC 4P-4P BUS GY 1 1261516 CH20M6 BC 4P-4P BUS RD 1 1261515 | 2771140000 S.21 2771150000 S.21 | DEK 5 NEUTRAL DEK 5/5 MC NE WS | 0473360000 N.24 1609801044 N.18 | FC20 TN/40A S1 B BX FC20 TN/50A S1 B BX | 2827220000 G.23 2827280000 G.23 |
| CH20M17 S PPP LGY 2018 | 1529520000 S.25 | CH20M6 BC 4P-4P BUS TGY 1 1293806 | 2771170000 S.21 | DEK 5/5 MC NE WS | 1609801044 N.18 | FC20 TN/68A S1 B BX | 2827340000 G.23 |
| CH20M17 S PPP TYL 2083 | 1395730000 S.25 | CH20M6 BC 4P-4P GY 1 1261516 | 2771180000 S.21 | DEK 5/5 MC NE WS | 1609801044 N.20 | FC20 TN/80A S1 B BX | 2827400000 G.23 |
| CH20M22 B AGY/BK 3747 CH20M22 B BK/BK 2010 | 1545130000 S.26 2418630000 S.26 | CH20M6 BC 4P-4P RD 1 1261515 CH20M6 BC 4P-4P TGY 1 1293806 | 2771190000 S.21 2771200000 S.21 | DEK 5/5 MC NE WS DEK 5/5 MC NE WS | 1609801044 N.21 1609801044 N.22 | FC50 PN/12A S1 B BX FC50 PN/16A S1 B BX | 2826900000 G.21 2826960000 G.21 |
| CH20M22 B BK/BR 2010 | 1104450000 S.26 | CH20M6 BP 4P-4P AGY LF 1 1293807 | 2771450000 S.20 | DEK 5/5 MC NE WS | 1609801044 N.24 | FC50 PN/20A S1 B BX | 2827020000 G.21 |
| CH20M22 B BK/RD 2010 | 2555100000 S.26 | CH20M6 BP 4P-4P BK LF 1 1261494 | 2771470000 S.20 | DEK 5/5 MC NE WS | 1609801044 Q.12 | FC50 PN/26A S1 B BX | 2827080000 G.21 |
| CH20M22 B BUS BK/BK 2010 | 1243030000 S.26 1177000000 S.26 | CH20M6 BP 4P-4P BUS AGY LF 1 1293807 | 2771420000 S.20 2771430000 S.20 | DEK 5/5 MC NE WS | 1609801044 0.14 | FC50 PN/32A S1 B BX | 2827140000 G.21 |
| CH20M22 B BUS BK/OR 2010 CH20M22 B BUS FE BK/BK 2010 | 1177000000 S.26 1384030000 S.26 | CH20M6 BP 4P-4P BUS BK LF 1 1261494 CH20M6 BP 4P-4P BUS GY LF 1 1261516 | 2771430000 S.20 2771440000 S.20 | DEK 5/5 MC NE WS DEK 5/5 MC NE WS | 1609801044 Q.16 1609801044 Q.18 | FC50 PN/40A S1 B BX FC50 PN/50A S1 B BX | 2827200000 G.21 2827260000 G.21 |
| CH20M22 B BUS FE BK/OR 2010 | 2004700000 S.26 | CH20M6 BP 4P-4P BUS RD LF 1 1261515 | 2771410000 S.20 | DEK 5/5 MC NE WS | 1609801044 Q.20 | FC50 PN/68A S1 B BX | 2827320000 G.21 |
| CH20M22 B FE AGY/BK 3747 | 1472800000 S.26 | CH20M6 BP 4P-4P BUS TGY LF 1 1293806 | 2771400000 S.20 2435460000 S.20 | DEK 5/5 MC NE WS | 1609801044 Q.22 1609801044 Q.24 | FC50 PN/80A S1 B BX | 2827380000 G.21 |
| CH20M22 B FE BK/OR 2010 CH20M22 B GGY/BK 2019 | 1177010000 S.26 1073350000 S.26 | CH20M6 BP 4P-4P FE BK 1 1261494 CH20M6 BP 4P-4P GY LF 1 1261516 | 2435460000 S.20 2771460000 S.20 | DEK 5/5 MC NE WS DEK 5/6 MC NE WS | 1609801044 Q.24 1609820000 Q.12 | FC50 TN/12A S1 B BX FC50 TN/16A S1 B BX | 2826930000 G.23 2826990000 G.23 |
| CH20M22 B LGY/BK 2018 | 1164670000 S.26 | CH20M6 BP 4P-4P RD LF 1 1261515 | 2771490000 S.20 | DEK 5/6 MC NE WS | 1609820000 Q.14 | FC50 TN/20A S1 B BX | 2827050000 G.23 |
| CH20M22 B RD/BK 2014 | 1206870000 S.26 | CH20M6 BP 4P-4P TGY LF 1 1293806 | 2771480000 S.20 | DEK 5/6 MC NE WS | 1609820000 Q.16 | FC50 TN/26A S1 B BX | 2827110000 G.23 |
| CH20M22 B SIM BK/OR 2010 CH20M22 C BK 1819 | 2743520000 S.26 2418670000 S.26 | CH20M6 C BK 1819 CH20M6 C TP 8089 | 2418620000 S.20 1073410000 S.20 | DEK 5/6 MC NE WS DEK 5/6 MC NE WS | 1609820000 Q.18 1609820000 Q.20 | FC50 TN/32A S1 B BX FC50 TN/40A S1 B BX | 2827170000 G.23 2827230000 G.23 |
| CH20M22 C TP 8089 | 1073420000 S.26 | CH20M67 B 2FE BK/OR | 2745200000 S.30 | DEK 5/6 MC NE WS | 1609820000 Q.22 | FC50 TN/50A S1 B BX | 2827290000 G.23 |
| CH20M22 F AGY 3747 | 2554730000 S.26 | CH20M67 B BK/BK 2010 | 1235270000 S.30 | DEK 5/6 MC NE WS | 1609820000 Q.24 | FC50 TN/68A S1 B BX | 2827350000 G.23 |
| CH20M22 F BK 2010 CH20M22 F GGY 2019 | 2418640000 S.26 1073360000 S.26 | CH20M67 B BK/OR 2010 CH20M67 B BUS BK/BK 2010 | 1235250000 S.30 1490820000 S.30 | DEK 5/8 MC NE WS DEK 5/8 MC NE WS | 1856740000 Q.12 1856740000 Q.14 | FC50 TN/80A S1 B BX FFH S1/16H F1 B RL | 2827410000 G.23 2747440000 G.12 |
| CH20M22 F LGY 2018 | 1164680000 S.26 | CH20M67 B BUS BK/OR 2010 | 1247240000 S.30 | DEK 5/8 MC NE WS | 1856740000 Q.16 | FFH S1/20H F1 B RL | 2747450000 G.12 |
| CH20M22 F RD 2014 | 1209380000 S.26 | CH20M67 B BUS GGY/BK 2019 | 1413780000 S.30 | DEK 5/8 MC NE WS | 1856740000 Q.18 | FFH S1/26H F1 B RL | 2747460000 G.12 |
| CH20M22 F TYL 2083 CH20M22 FC AGY 3747 | 1350230000 S.26 1472810000 S.26 | CH20M67 B FE BK/OR 2010 | 1247250000 S.30 | DEK 5/8 MC NE WS | 1856740000 0.20 | FFH S1/32H F1 B RL | 2747470000 G.12 |
| CH20M22 FC BK 2010 | 1472810000 S.26 1209350000 S.26 | CH20M67 B TYL/BK 2083 CH20M67 FC BK 2010 | 2653360000 S.30 1235310000 S.30 | DEK 5/8 MC NE WS DEK 5/8 MC NE WS | 1856740000 Q.22 1856740000 Q.24 | FFH S1/40H F1 B RL FFH S1/50H F1 B RL | 2747480000 G.12 2747490000 G.12 |
| CH20M22 FC GGY 2019 | 1209360000 S.26 | CH20M67 FC GGY 2019 | 1413810000 S.30 | DFFC 0.22-0.35 SN 3000 | 1604230000 K.116 | FFH S1/68H F1 B RL | 2747500000 G.12 |
| CH20M22 FC LGY 2018 | 1209370000 S.26 | CH20M67 FC TYL 2083 | 2653370000 S.30 | DFFC 0.22-0.35 SN E | 1604250000 K.116 | FFH S1/80H F1 B RL | 2747510000 G.12 |
| CH20M22 FC RD 2014 CH20M22 FC TP BK 1819 | 1206880000 S.26 2639980000 S.26 | CH20M67 S 2PSC/2PSC/2PSC BK 2010 CH20M67 S 2PSC/2PSC/2PSC GGY 2019 | 1235320000 S.31 1413820000 S.31 | DFFC 0.5-1.0 SN 3000 DFFC 0.5-1.0 SN E | 1480000000 K.116 1567060000 K.116 | FFH6 S1/12V F1 B RL FFH6 S1/16V F1 B RL | 2747250000 G.14 2747260000 G.14 |
| CH20M22 FC TYL 2083 | 1304240000 S.26 | CH20M67 S 3P/3P/3P BK 2010 | 1420370000 S.31 | DFFC 1.5-2.5 SN 2500 | 1480100000 K.116 | FFH6 S1/20V F1 B RL | 2747270000 G.14 |
| CH20M22 S PPP AGY 3747 | 2554840000 S.27 | CH20M67 S 3P/3P/3P GGY 2019 | 1455770000 S.31 | DFFC 1.5-2.5 SN E | 1567070000 K.116 | FFH6 S1/26V F1 B RL | 2747280000 G.14 |
| CH20M22 S PPP BK 2010 CH20M22 S PPP BL 2013 | 1139790000 S.27 1296430000 S.27 | CH20M67 S 3P/3P/3P TYL 2083 CS1,6E14-12 AU,75 I3,5 | 2653380000 S.31 1428600000 L.16 | DFFC EW2 DP VWGK 4 BK BX | 1803790000 M.14 1251030000 Q.12 | FFH6 S1/32V F1 B RL FFH6 S1/40V F1 B RL | 2747290000 G.14 2747300000 G.14 |
| CH20M22 S PPP GGY 2019 | 1411500000 S.27 | CS1,6E14-12 AU,75 I4,2 | 1582290000 L.16 | DP VWGK 4 GY BX | 1936430000 Q.12 | FFH6 S1/50V F1 B RL | 2747310000 G.14 |
| CH20M22 S PPP LGY 2018 | 1296440000 S.27 | CS1,6E14-12 SN I3,5 | 1429600000 L.16 | DP VWGK 6 BK BX | 1250630000 Q.14 | FFH6 S1/68V F1 B RL | 2747320000 G.14 |
| CH20M22 S PPSC AGY 3747 | 2554710000 S.27 2418650000 S.27 | CS1,6E14-12 SN I4,2 CS1,6E18-16 AU,75 I2,5 | 1582310000 L.16 | DP VWGK 6 BK BX | 1250630000 Q.16 | FFH6 S1/80V F1 B RL | 2747330000 G.14 2747340000 G.16 |
| CH20M22 S PPSC BK 2010 CH20M22 S PPSC BL 2013 | 2418650000 S.27 2418660000 S.27 | CS1,6E18-16 AU,7513,5 | 1426600000 L.16 1582250000 L.16 | DP VWGK 6 GY BX DP VWGK 6 GY BX | 1965750000 Q.14 1965750000 Q.16 | FFH9 S1/12V F1 B RL FFH9 S1/16V F1 B RL | 2747340000 G.16 2747350000 G.16 |
| CH20M22 S PPSC GGY 2019 | 1073370000 S.27 | CS1,6E18-16 SN I2,5 | 1427600000 L.16 | DP WGK 16 BK BX | 1250580000 Q.18 | FFH9 S1/20V F1 B RL | 2747360000 G.16 |
| CH20M22 S PPSC LGY 2018 | 1164690000 S.27 1206890000 S.27 | CS1,6E18-16 SN I3,5 CS1,6E22-20 AU,75 I1,8 | 1582270000 L.16 1422600000 L.16 | DP WGK 16 GY BX DP WGK 25 BK BX | 1936700000 Q.18 1250590000 Q.20 | FFH9 S1/26V F1 B RL FFH9 S1/32V F1 B RL | 2747370000 G.16 2747380000 G.16 |
| CH20M22 S PPSC RD 2014 CH20M22 S PSCSC AGY 3747 | 2554850000 S.27 | CS1,6E22-20 AU,75 I2,5 | 1422600000 L.16 1424600000 L.16 | DP WGK 25 BK BX | 1936710000 0.20 | FFH9 S1/40V F1 B RL | 2747390000 G.16 |
| CH20M22 S PSCSC BK 2010 | 1080630000 S.27 | CS1,6E22-20 SN I1,8 | 1423600000 L.16 | DP WGK 4 BK BX | 1297840000 Q.12 | FFH9 S1/50V F1 B RL | 2747400000 G.16 |
| CH20M22 S PSCSC BL 2013 | 1070620000 S.27 | CS1,6E22-20 SN I2,5 | 1425600000 L.16 | DP WGK 4 GY BX | 1936450000 Q.12 | FFH9 S1/68V F1 B RL | 2747410000 G.16 |
| CH20M22 S PSCSC GGY 2019 CH20M22 S PSCSC LGY 2018 | 1451120000 S.27 1432860000 S.27 | CS1,6E26-24 AU,75 I1,4 CS1,6E26-24 SN I1,4 | 1420600000 L.16 1421600000 L.16 | DP WGK 50 DP WGK 50 BK BX | 1937030000 Q.22 1250610000 Q.22 | FFH9 S1/80V F1 B RL FFP D1/12H S1 B TY | 2747420000 G.16 2747520000 G.18 |
| CH20M22 S RPP AGY 3747 | 1472820000 S.27 | CS1,6R14-12 AU,75 I3,5 | 1428500000 L.16 | DP WGK 95 BK BX | 1250620000 Q.24 | FFP D1/16H S1 B TY | 2747530000 G.18 |
| CH20M22 S RPP BK 2010 | 1276590000 S.27 | CS1,6R14-12 AU,75 I4,2 | 1582300000 L.16 | DP WGK 95 GY BX | 1937020000 0.24 | FFP D1/20H S1 B TY | 2747540000 G.18 |
| CH20M22 S RPP LGY 2018 CH20M45 B BK/BK 2010 | 1470700000 S.27 1104400000 S.28 | CS1,6R14-12 SN I3,5 CS1,6R14-12 SN I4,2 | 1429500000 L.16 1582320000 L.16 | DW RSV 1.6 DW RSV 1.6 | 9004530000 L.14 9004530000 M.14 | FFP D1/26H S1 B TY FFP D1/32H S1 B RL | 2747550000 G.18 2747560000 G.18 |
| CH20M45 B BK/OR 2010 | 1104410000 S.28 | CS1,6R18-16 AU,75 I2,5 | 1426500000 L.16 | | | FFP D1/40H S1 B TY | 2747570000 G.18 |
| CH20M45 B BK/RD 2010 | 2555110000 S.28 | CS1,6R18-16 AU,75 I3,5 | 1582260000 L.16 | E | | FFP D1/50H S1 B TY | 2747580000 G.18 |
| CH20M45 B BUS BK/BK 2010 CH20M45 B BUS BK/OR 2010 | 1476000000 S.28 1177020000 S.28 | CS1,6R18-16 SN I2,5 CS1,6R18-16 SN I3,5 | 1427500000 L.16 1582280000 L.16 | EPL PGK4 BK | 1288600000 Q.11 | FFP D1/68H S1 B TY FFP D1/80H S1 B TY | 2747590000 G.18 2747600000 G.18 |
| CH20M45 B BUS GGY/BK 2019 | 1413770000 S.28 | CS1,6R22-20 AU,75 I1,8 | 1422500000 L.16 | ESG 6.6/11 BHZ 5.00 SDR | 1346330000 S.37 | FMH S1/12H F1 B RL | 2747160000 G.6 |
| CH20M45 B FE BK/OR 2010 | 1177030000 S.28 | CS1,6R22-20 AU,75 I2,5 | 1424500000 L.16 | ESG 6.6/11 BHZ 5.00/02 | 1082490000 S.37 | FMH S1/16H F1 B RL | 2747170000 G.6 |
| CH20M45 B FE BL/OR 2013 CH20M45 B GGY/BK 2019 | 2579680000 S.28 1164710000 S.28 | CS1,6R22-20 SN I1,8 CS1,6R22-20 SN I2,5 | 1423500000 L.16 1425500000 L.16 | ESG 6.6/15 BHZ 5.00 SDR ESG 6.6/15 BHZ 5.00/03 | 1346320000 S.37 1082520000 S.37 | FMH S1/20H F1 B RL FMH S1/26H F1 B RL | 2747180000 G.6 2747190000 G.6 |
| CH20M45 B LGY/BK 2018 | 1164750000 S.28 | CS1,6R26-24 AU,75 I1,4 | 1420500000 L.16 | ESG 6.6/20 BHZ 5.00 SDR | 1221520000 S.37 | FMH S1/32H F1 B RL | 2747200000 G.6 |
| CH20M45 B RD/BK 2014 | 1206910000 S.28 | CS1,6R26-24 SN I1,4 | 1421500000 L.16 | ESG 6.6/20 BHZ 5.00/04 | 1082540000 S.37 | FMH S1/40H F1 B RL | 2747210000 G.6 |
| CH20M45 B SIM BK/BK 2010 CH20M45 C BK 1819 | 2738670000 S.28 1104430000 S.28 | CSL1,6E14-12 AU,75 I3,5 CSL1,6E14-12 AU,75 I4,2 | 1428700000 L.16 1582370000 L.16 | ESG 9/11 K MC NE WS | 1857440000 C.16 | FMH S1/50H F1 B RL FMH S1/68H F1 B RL | 2747220000 G.6 2747230000 G.6 |
| CH20M45 C TP 8089 | 1104440000 S.28 | CSL1,6E14-12 SN I3,5 | 1429700000 L.16 | F | | FMH S1/80H F1 B RL | 2747240000 G.6 |
| CH20M45 F BK 2010 | 1104420000 S.28 | CSL1,6E14-12 SN I4,2 | 1582390000 L.16 | <u>•</u> | | FMH1 S1/12V F1 B RL | 2746980000 G.8 |
| CH20M45 F BL 2013 CH20M45 F GGY 2019 | 2579660000 S.28 1164720000 S.28 | CSL1,6E18-16 AU,75 I2,5 CSL1.6E18-16 AU.75 I3.5 | 1426700000 L.16 1582330000 L.16 | FC10 PN/12A S1 B BX FC10 PN/16A S1 B BX | 2826880000 G.21 2826940000 G.21 | FMH1 S1/16V F1 B RL FMH1 S1/20V F1 B RL | 2746990000 G.8 2747000000 G.8 |
| CH20M45 F LGY 2018 | 1164770000 S.28 | CSL1,6E18-16 SN I2,5 | 1427700000 L.16 | FC10 PN/20A S1 B BX | 2827000000 G.21 | FMH1 S1/26V F1 B RL | 2747010000 G.8 |
| CH20M45 F RD 2014 | 1209390000 S.28 | CSL1,6E18-16 SN I3,5 | 1582350000 L.16 | FC10 PN/26A S1 B BX | 2827060000 G.21 | FMH1 S1/32V F1 B RL | 2747020000 G.8 |
| CH20M45 F TYL 2083 CH20M45 FC BK 2010 | 1337640000 S.28 1164800000 S.28 | CSL1,6E22-20 AU,75 I1,8 | 1422700000 L.16 | FC10 PN/32A S1 B BX | 2827120000 G.21 2827180000 G.21 | FMH1 S1/40V F1 B RL | 2747030000 G.8 2747040000 G.8 |
| CH20M45 FC GGY 2019 | 1164800000 S.28 1164730000 S.28 | CSL1,6E22-20 AU,75 I2,5 CSL1,6E22-20 SN I1,8 | 1424700000 L.16 1423700000 L.16 | FC10 PN/40A S1 B BX FC10 PN/50A S1 B BX | 2827180000 G.21 2827240000 G.21 | FMH1 S1/50V F1 B RL FMH1 S1/68V F1 B RL | 2747050000 G.8 |
| CH20M45 FC LGY 2018 | 1164780000 S.28 | CSL1,6E22-20 SN I2,5 | 1425700000 L.16 | FC10 PN/68A S1 B BX | 2827300000 G.21 | FMH1 S1/80V F1 B RL | 2747060000 G.8 |
| CH20M45 FC RD 2014 | 1206920000 S.28 | CSL1,6E26-24 AU,75 I1,4 | 1420700000 L.16 | FC10 PN/80A S1 B BX | 2827360000 G.21 | FMH3 S1/12V F1 B RL | 2747070000 G.10 |
| CH20M45 FC TP BK 1819 CH20M45 S 2PSC/2PSC BK 2010 | 2673070000 S.28 1111720000 S.29 | CSL1,6E26-24 SN I1,4 CSL1,6R14-12 AU,75 I3,5 | 1421700000 L.16 1565760000 L.16 | FC10 TN/12A S1 B BX FC10 TN/16A S1 B BX | 2826910000 G.23 2826970000 G.23 | FMH3 S1/16V F1 B RL FMH3 S1/20V F1 B RL | 2747080000 G.10 2747090000 G.10 |
| CH20M45 S 2PSC/2PSC BL 2013 | 1476910000 S.29 | CSL1,6R14-12 AU,75 I4,2 | 1582380000 L.16 | FC10 TN/20A S1 B BX | 2827030000 G.23 | FMH3 S1/26V F1 B RL | 2747100000 G.10 |
| CH20M45 S 2PSC/2PSC GGY 2019 | 1164740000 S.29 | CSL1,6R14-12 SN I3,5 | 1565780000 L.16 | FC10 TN/26A S1 B BX | 2827090000 G.23 | FMH3 S1/32V F1 B RL | 2747110000 G.10 |
| CH20M45 S 2PSC/2PSC LGY 2018 CH20M45 S 2PSC/2PSC RD 2014 | 1164790000 S.29 1206930000 S.29 | CSL1,6R14-12 SN I4,2 CSL1,6R18-16 AU,75 I2,5 | 1582400000 L.16 1565790000 L.16 | FC10 TN/32A S1 B BX FC10 TN/40A S1 B BX | 2827150000 G.23 2827210000 G.23 | FMH3 S1/40V F1 B RL FMH3 S1/50V F1 B RL | 2747120000 G.10 2747130000 G.10 |
| CH20M45 S 2PSC/2PSC TYL 2083 | 1327990000 S.29 | CSL1,6R18-16 AU,7513,5 | 1582340000 L.16 | FC10 TN/50A S1 B BX | 2827270000 G.23 | FMH3 S1/68V F1 B RL | 2747140000 G.10 |
| CH20M45 S 2PSC/3SC BK 2010 | 1137740000 S.29 | CSL1,6R18-16 SN12,5 | 1565810000 L.16 | FC10 TN/68A S1 B BX | 2827330000 G.23 | FMH3 S1/80V F1 B RL | 2747150000 G.10 |
| CH20M45 S 2PSC/3SC LGY 2018 CH20M45 S 2PSC/RUSC BK 2010 | 2585480000 S.29 1500050000 S.29 | CSL1,6R18-16 SN I3,5 CSL1,6R22-20 AU,75 I1,8 | 1582360000 L.16 1565850000 L.16 | FC10 TN/80A S1 B BX | 2827390000 G.23 | 0 | |
| CH20M45 S 3P/3P BK 2010 | 1137730000 S.29 | CSL1,6R22-20 AU,75 12,5 | 1565820000 L.16 | FC20 PN/12A S1 B BX FC20 PN/16A S1 B BX | 2826890000 G.21 2826950000 G.21 | G | |
| CH20M45 S 3P/3P BL 2013 | 2624760000 S.29 | CSL1,6R22-20 SN I1,8 | 1565870000 L.16 | FC20 PN/20A S1 B BX | 2827010000 G.21 | GH MCZ1.5 1674 | 2224220000 S.45 |
| CH20M45 S 3P/3P LGY 2018 | 1444330000 S.29 | CSL1,6R22-20 SN I2,5 | 1565840000 L.16 | FC20 PN/26A S1 B BX | 2827070000 G.21 | GH MCZUE1.5/UE 1674 | 2312290000 S.45 |
| CH20M45 S 3P/3P TYL 2083 | 1482830000 S.29 | CSL1,6R26-24 AU,75 I1,4 | 1565880000 L.16 | FC20 PN/32A S1 B BX | 2827130000 G.21 | | |

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|---------------------------------------------------|--------------------------------------|----------------------------------------------------------|--------------------------------------|---------------------------------------------------------------|------------------------------------|------------------------------------------------------------|------------------------------------|
| Н | | KO BU/SU10.16HP BK | 1824410000 0.216 | LL 6.35/09/90V 5.0SN BK BX | 1356920000 N.16 | LM 3.50/05/135 3.2SN OR BX | 1845230000 F.19 |
| H0,5/14S W | 9004590000 K.46 | KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 1824410000 0.218 1824410000 0.220 | LL 6.35/10/90V 5.0SN BK BX LL 6.35/11/90V 5.0SN BK BX | 1356930000 N.16 1356940000 N.16 | LM 3.50/05/90 3.2SN OR BX LM 3.50/06/135 3.2SN OR BX | 1720250000 F.18 1845240000 F.19 |
| H0,5/14S W | 9004590000 K.48 | KO BU/SU10.16HP BK | 1824410000 0.222 | LL 6.35/12/90V 5.0SN BK BX | 1356950000 N.16 | LM 3.50/06/90 3.2SN OR BX | 1845050000 F.18 |
| H0,5/14S W | 9004590000 K.84 | KO BU/SU10.16HP BK | 1824410000 0.224 | LL 9.52/02/90 5.0SN OR BX | 1724680000 F.38 | LM 3.50/07/135 3.2SN OR BX | 1845250000 F.19 |
| H0,5/14S W | 9004590000 K.88 | KO BU/SU10.16HP BK | 1824410000 0.226 | LL 9.52/03/90 5.0SN OR BX | 1724690000 F.38 | LM 3.50/07/90 3.2SN OR BX | 1845060000 F.18 |
| H0,5/14S W H0,5/14S W | 9004590000 K.94 | KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 1824410000 0.228 1824410000 0.230 | LL1N 5.00/02/90 3.2SN OR BX LL1N 5.00/03/90 3.2SN OR BX | 1975250000 F.34 1975260000 F.34 | LM 3.50/08/135 3.2SN OR BX LM 3.50/08/90 3.2SN OR BX | 1845260000 F.19 1845070000 F.18 |
| H0,5/14S W | 9004590000 K.108 9004590000 K.110 | KO BU/SU10.16HP BK | 1824410000 0.230 | LL1N 5.00/04/90 3.2SN OR BX | 1975270000 F.34 | LM 3.50/09/135 3.2SN OR BX | 1845270000 F.19 |
| H0,5/14S W | 9004590000 K.112 | KO BU/SU10.16HP WT | 2592600000 0.76 | LL1N 5.00/05/90 3.2SN OR BX | 1975280000 F.34 | LM 3.50/09/90 3.2SN OR BX | 1845080000 F.18 |
| H0,5/14S W | 9004590000 K.114 | KO BU/SU10.16HP WT | 2592600000 0.78 | LL1N 5.00/06/90 3.2SN OR BX | 1975290000 F.34 | LM 3.50/10/135 3.2SN OR BX | 1845280000 F.19 |
| H1,0/14S R | 9018560000 K.46 | KO BU/SU10.16HP WT KO BU/SU10.16HP WT | 2592600000 0.80 2592600000 0.82 | LL1N 5.00/07/90 3.2SN OR BX LL1N 5.00/08/90 3.2SN OR BX | 1975300000 F.34 1975310000 F.34 | LM 3.50/10/90 3.2SN OR BX | 1845090000 F.18 |
| H1,0/14S R H1,0/14S R | 9018560000 K.48 9018560000 K.94 | KO BU/SU10.16HP WT | 2592600000 0.84 | LL1N 5.00/09/90 3.25N OR BX | 1975310000 F.34 1975320000 F.34 | LM 3.50/11/135 3.2SN OR BX LM 3.50/11/90 3.2SN OR BX | 1845290000 F.19 1845100000 F.18 |
| H1,0/14S R | 9018560000 K.108 | KO BU/SU10.16HP WT | 2592600000 0.86 | LL1N 5.00/10/90 3.2SN OR BX | 1975330000 F.34 | LM 3.50/12/135 3.2SN OR BX | 1845300000 F.19 |
| H1,0/14S R | 9018560000 K.110 | KO BU/SU10.16HP WT | 2592600000 0.88 | LL1N 5.00/11/90 3.2SN OR BX | 1975340000 F.34 | LM 3.50/12/90 3.2SN OR BX | 1845110000 F.18 |
| H1,0/14S R | 9018560000 K.112 | KO BU/SU10.16HP WT | 2592600000 0.90 | LL1N 5.00/12/90 3.2SN OR BX | 1975350000 F.34 | LM 5.00/02/135 3.5SN OR BX | 1715350000 F.25 |
| H1,0/14S R | 9018560000 K.114 | KO BU/SU10.16HP WT KO BU/SU10.16HP WT | 2592600000 0.92 2592600000 0.94 | LL1N 5.08/02/90 3.2SN OR BX LL1N 5.08/03/90 3.2SN OR BX | 1975360000 F.36 1975370000 F.36 | LM 5.00/02/180 3.5SN OR BX LM 5.00/02/90 3.5SN OR BX | 1715330000 F.25 1715310000 F.24 |
| H1,5/14DS SW H1,5/14DS SW | 9025240000 K.46 9025240000 K.48 | KO BU/SU10.16HP WT | 2592600000 0.96 | LL1N 5.08/04/90 3.2SN OR BX | 1975380000 F.36 | LM 5.00/03/135 3.5SN OR BX | 1715360000 F.24 |
| H1,5/14DS SW | 9025240000 K.84 | KO BU/SU10.16HP WT | 2592600000 0.98 | LL1N 5.08/05/90 3.2SN OR BX | 1975390000 F.36 | LM 5.00/03/180 3.5SN OR BX | 1715340000 F.25 |
| H1,5/14DS SW | 9025240000 K.88 | KO BU/SU10.16HP WT | 2592600000 0.100 | LL1N 5.08/06/90 3.2SN OR BX | 1975400000 F.36 | LM 5.00/03/90 3.5SN OR BX | 1715320000 F.24 |
| H1,5/14DS SW | 9025240000 K.94 | KO BU/SU10.16HP WT | 2592600000 0.210 | LL1N 5.08/07/90 3.2SN OR BX | 1975410000 F.36 | LM 5.00/04/135 3.5SN OR BX | 1845390000 F.25 |
| H1,5/14DS SW | 9025240000 K.108 | KO BU/SU10.16HP WT KO BU/SU10.16HP WT | 2592600000 0.212 2592600000 0.214 | LL1N 5.08/08/90 3.2SN OR BX LL1N 5.08/09/90 3.2SN OR BX | 1975420000 F.36 1975430000 F.36 | LM 5.00/04/180 3.5SN OR BX LM 5.00/04/90 3.5SN OR BX | 1234230000 F.25 1821490000 F.24 |
| H1,5/14DS SW H1,5/14DS SW | 9025240000 K.110 9025240000 K.112 | KO BU/SU10.16HP WT | 2592600000 0.216 | LL1N 5.08/10/90 3.2SN OR BX | 1975440000 F.36 | LM 5.00/05/135 3.5SN OR BX | 1845400000 F.25 |
| H1,5/14DS SW | 9025240000 K.114 | KO BU/SU10.16HP WT | 2592600000 0.218 | LL1N 5.08/11/90 3.2SN OR BX | 1975460000 F.36 | LM 5.00/05/180 3.5SN OR BX | 1234240000 F.25 |
| H2,5/14DS BL | 1333100000 K.46 | KO BU/SU10.16HP WT | 2592600000 0.220 | LL1N 5.08/12/90 3.2SN OR BX | 1975470000 F.36 | LM 5.00/05/90 3.5SN OR BX | 1845310000 F.24 |
| H2,5/14DS BL | 1333100000 K.48 | KO BU/SU10.16HP WT | 2592600000 0.222 | LL2N 5.00/04/90 3.2SN OR BX | 1934310000 F.35 | LM 5.00/06/135 3.5SN OR BX | 1845410000 F.25 |
| H2,5/14DS BL | 1333100000 K.84 | KO BU/SU10.16HP WT KO BU/SU10.16HP WT | 2592600000 0.224 2592600000 0.226 | LL2N 5.00/08/90 3.2SN OR BX LL2N 5.00/12/90 3.2SN OR BX | 1977260000 F.35 1977280000 F.35 | LM 5.00/06/180 3.5SN OR BX LM 5.00/06/90 3.5SN OR BX | 1234250000 F.25 1845320000 F.24 |
| H2,5/14DS BL H2,5/14DS BL | 1333100000 K.88 1333100000 K.94 | KO BU/SU10.16HP WT | 2592600000 0.228 | LL2N 5.00/16/90 3.2SN OR BX | 1977310000 F.35 | LM 5.00/07/135 3.5SN OR BX | 1845420000 F.25 |
| H2,5/14DS BL | 1333100000 K.108 | KO BU/SU10.16HP WT | 2592600000 0.230 | LL2N 5.00/20/90 3.2SN OR BX | 1977330000 F.35 | LM 5.00/07/180 3.5SN OR BX | 1234270000 F.25 |
| H2,5/14DS BL | 1333100000 K.110 | KOPL MCZ 1.5 1816 | 2224040000 S.45 | LL2N 5.00/24/90 3.2SN OR BX | 1977350000 F.35 | LM 5.00/07/90 3.5SN OR BX | 1845330000 F.24 |
| H2,5/14DS BL | 1333100000 K.112 | | | LL2N 5.08/08/90 3.2SN OR BX | 1977480000 F.37 | LM 5.00/08/135 3.5SN OR BX | 1845430000 F.25 |
| H2,5/14DS BL HTF 28 | 1333100000 K.114 9013090000 M.13 | L | | LL2N 5.08/12/90 3.2SN OR BX LL2N 5.08/16/90 3.2SN OR BX | 1977500000 F.37 1977520000 F.37 | LM 5.00/08/180 3.5SN OR BX LM 5.00/08/90 3.5SN OR BX | 1234280000 F.25 1845340000 F.24 |
| HTF 63 | 9013400000 M.13 | LHF-SMT L 1.5SN BK/GY RL | 2581750000 S.32 | LL2N 5.08/20/90 3.2SN OR BX | 1977540000 F.37 | LM 5.00/09/135 3.5SN OR BX | 1845440000 F.25 |
| HTF DFF | 9014140000 K.116 | LHF-SMT R 1.5SN BK/GY RL | 2581380000 S.32 | LL2N 5.08/24/90 3.2SN OR BX | 1977560000 F.37 | LM 5.00/09/180 3.5SN OR BX | 1234290000 F.25 |
| HTF DFF | 9014140000 M.13 | LHZ-SMT L 1.5SN BK BX | 1137870000 S.32 | LL2N 9.52/04/90 5.0SN OR BX | 1926350000 F.39 | LM 5.00/09/90 3.5SN OR BX | 1845350000 F.24 |
| HTF RSV 12 | 9013550000 M.13 | LHZ-SMT L 1.5SN BK RL LHZ-SMT R 1.5SN BK BX | 2418580000 S.32 1137880000 S.32 | LL2N 9.52/08/90 5.0SN OR BX LL2N 9.52/12/90 5.0SN OR BX | 1926360000 F.39 1926370000 F.39 | LM 5.00/10/135 3.5SN OR BX LM 5.00/10/180 3.5SN OR BX | 1845450000 F.25 1234310000 F.25 |
| HTF RSV 16 HTF RSV 16 | 9013560000 L.14 9013560000 M.13 | LHZ-SMT R 1.5SN BK RL | 2418590000 S.32 | LL2N 9.52/16/90 5.0SN OR BX | 1926380000 F.39 | LM 5.00/10/90 3.5SN OR BX | 1845360000 F.24 |
| THE NOVICE | 0010300000 W.10 | LKSC M2,9x13VZ | 4011200000 S.50 | LL2N 9.52/20/90 5.0SN OR BX | 1926390000 F.39 | LM 5.00/11/135 3.5SN OR BX | 1845460000 F.25 |
| 1 | | LKSC M2,9x13VZ | 4011200000 S.52 | LL2N 9.52/24/90 5.0SN OR BX | 1926400000 F.39 | LM 5.00/11/180 3.5SN OR BX | 1234320000 F.25 |
| <u> </u> | | LKSC M2,9x13VZ | 4011200000 S.53 | LL3R 5.00/06/90 3.2SN OR BX | 1934360000 F.35 | LM 5.00/11/90 3.5SN OR BX | 1845370000 F.24 |
| IE-AD-SPO-P-SPM-P-90 IE-BHD-SPE-FP-CN-M10X0.75 | 2814400000 C.14 2739640000 C.20 | LL 10.00/02/90 3.2SN OR BX LL 10.00/03/90 3.2SN OR BX | 2613390000 F.40 2613340000 F.40 | LL3R 5.00/12/90 3.2SN OR BX LL3R 5.00/18/90 3.2SN OR BX | 1978850000 F.35 1978870000 F.35 | LM 5.00/12/135 3.5SN OR BX LM 5.00/12/180 3.5SN OR BX | 1845470000 F.25 1234330000 F.25 |
| IE-BHD-SPE-M8-OT-BP | 2726030000 C.20 | LL 5.00/02/180 3.2SN OR BX | 1994230000 F.33 | LL3R 5.00/24/90 3.2SN OR BX | 1978890000 F.35 | LM 5.00/12/90 3.5SN OR BX | 1845380000 F.24 |
| IE-BHD-SPE-M8-OT-FP | 2726020000 C.20 | LL 5.00/02/90 3.2SN OR BX | 1934270000 F.32 | LL3R 5.00/30/90 3.2SN OR BX | 1978910000 F.35 | LM 5.08/02/135 3.5SN OR BX | 1716120000 F.27 |
| IE-BI-SPO-C | 2861260000 C.17 | LL 5.00/03/180 3.2SN OR BX | 1994240000 F.33 | LL3R 5.00/36/90 3.2SN OR BX | 1978930000 F.35 | LM 5.08/02/180 3.5SN OR BX | 1716100000 F.27 |
| IE-FCM-SPO-C | 2870820000 C.15 | LL 5.00/03/90 3.2SN OR BX | 1934280000 F.32 | LL3R 5.08/06/90 3.2SN OR BX LL3R 5.08/12/90 3.2SN OR BX | 1934340000 F.37 | LM 5.08/02/90 3.5SN OR BX | 1716080000 F.26 |
| IE-FISP-V4 IE-PCB-SPE-P-180V2.1-THR RL | 9204370000 C.15 2795170000 C.19 | LL 5.00/04/180 3.2SN OR BX LL 5.00/04/90 3.2SN OR BX | 2429470000 F.33 1001720000 F.32 | LL3R 5.08/18/90 3.25N OR BX | 1979060000 F.37 1979080000 F.37 | LM 5.08/03/135 3.5SN OR BX LM 5.08/03/180 3.5SN OR BX | 1716130000 F.27 1716110000 F.27 |
| IE-PCB-SPE-P-90V2.1-THR RL | 2726010000 C.18 | LL 5.00/05/180 3.2SN OR BX | 2429530000 F.33 | LL3R 5.08/24/90 3.2SN OR BX | 1979100000 F.37 | LM 5.08/03/90 3.5SN OR BX | 1716090000 F.26 |
| IE-PCB-SPE-P-90V2.1-THR-YG/YG RL | 2795120000 C.18 | LL 5.00/05/90 3.2SN OR BX | 1001730000 F.32 | LL3R 5.08/30/90 3.2SN OR BX | 1979120000 F.37 | LM 5.08/04/135 3.5SN OR BX | 9994550000 F.27 |
| IE-PCB-SPM-P-180-SMD | 2795110000 C.21 | LL 5.00/06/180 3.2SN OR BX | 2429540000 F.33 | LL3R 5.08/36/90 3.2SN OR BX | 1979140000 F.37 | LM 5.08/04/180 3.5SN OR BX | 9994970000 F.27 |
| IE-PCB-SPM-P-180-THR | 2735920000 C.21 | LL 5.00/06/90 3.2SN OR BX LL 5.00/07/180 3.2SN OR BX | 1001740000 F.32 2429550000 F.33 | LLF 7.50/01/90 5.0SN BK BX LLF 7.50/02/90V 5.0SN BK BX | 2471520000 N.26 2471530000 N.27 | LM 5.08/04/90 3.5SN OR BX LM 5.08/05/135 3.5SN OR BX | 9994130000 F.26 9994560000 F.27 |
| IE-PCB-SPM-P-90-THR IE-PS-SP0-S-FH-180 | 2795100000 C.21 2726040000 C.13 | LL 5.00/07/90 3.2SN OR BX | 1001750000 F.32 | LLF 7.50/03/90V 5.0SN BK BX | 2471930000 N.27 | LM 5.08/05/180 3.5SN OR BX | 9994980000 F.27 |
| IE-S1DS2LE-500 | 2924350000 C.11 | LL 5.00/08/180 3.2SN OR BX | 2429560000 F.33 | LLF 7.50/04/90V 5.0SN BK BX | 2472100000 N.27 | LM 5.08/05/90 3.5SN OR BX | 9994140000 F.26 |
| IE-S1DS2UE-500 | 2924340000 C.11 | LL 5.00/08/90 3.2SN OR BX | 1001760000 F.32 | LLF 7.50/05/90V 5.0SN BK BX | 2472110000 N.27 | LM 5.08/06/135 3.5SN OR BX | 9994570000 F.27 |
| IE-S1DS2VE0010T01T01-E | 2725850010 C.8 | LL 5.00/09/180 3.2SN OR BX | 2429570000 F.33 | LLF 7.50/06/90V 5.0SN BK BX | 2472120000 N.27 | LM 5.08/06/180 3.5SN OR BX | 9994990000 F.27 |
| IE-S1DS2VE0020T01T01-E | 2725850020 C.8 | LL 5.00/09/90 3.2SN OR BX LL 5.00/10/180 3.2SN OR BX | 1001770000 F.32 2429580000 F.33 | LLF 7.50/07/90V 5.0SN BK BX LLF 7.50/08/90V 5.0SN BK BX | 2472130000 N.27 2472140000 N.27 | LM 5.08/06/90 3.5SN OR BX LM 5.08/07/135 3.5SN OR BX | 9994150000 F.26 9994580000 F.27 |
| IE-S1DS2VE0020TM1TM1-E IE-S1DS2VE0020TM1TM2-E | 2726050020 C.9 2726060020 C.9 | LL 5.00/10/90 3.2SN OR BX | 1001780000 F.32 | LLF 7.50/09/90V 5.0SN BK BX | 2472150000 N.27 | LM 5.08/07/180 3.5SN OR BX | 9995000000 F.27 |
| IE-S1DS2VE0020TM2TM2-E | 2726070020 C.10 | LL 5.00/11/180 3.2SN OR BX | 2429590000 F.33 | LLF 7.50/10/90V 5.0SN BK BX | 2472160000 N.27 | LM 5.08/07/90 3.5SN OR BX | 9994160000 F.26 |
| IE-S1DS2VE0030T01T01-E | 2725850030 C.8 | LL 5.00/11/90 3.2SN OR BX | 1001790000 F.32 | LLF 7.50/11/90V 5.0SN BK BX | 2472170000 N.27 | LM 5.08/08/135 3.5SN OR BX | 9994590000 F.27 |
| IE-S1DS2VE0050T01T01-E | 2725850050 C.8 | LL 5.00/12/180 3.2SN OR BX | 2429600000 F.33 | LLF 7.50/12/90V 5.0SN BK BX | 2472180000 N.27 | LM 5.08/08/180 3.5SN OR BX | 9995010000 F.27 |
| IE-S1DS2VE0050TM1TM1-E IE-S1DS2VE0100T01T01-E | 2726050050 C.9 2725850100 C.8 | LL 5.00/12/90 3.2SN OR BX LL 5.08/02/180 3.2SN OR BX | 1001800000 F.32 1994250000 F.33 | LLFS 7.50/01/180 5.0SN BK BX LLFS 7.50/01/90 5.0SN BK BX | 2491110000 N.30 2473420000 N.28 | LM 5.08/08/90 3.5SN OR BX LM 5.08/09/135 3.5SN OR BX | 9994170000 F.26 9994600000 F.27 |
| IE-S1DS2VE0100TM1TM1-E | 2725850100 C.8 2726050100 C.9 | LL 5.08/02/90 3.2SN OR BX | 1934250000 F.33 | LLFS 7.50/02/180V 5.0SN BK BX | 2491620000 N.31 | LM 5.08/09/180 3.5SN OR BX | 9995020000 F.27 |
| IE-S1DS2VE0150T01T01-E | 2725850150 C.8 | LL 5.08/03/180 3.2SN OR BX | 1994260000 F.33 | LLFS 7.50/02/90V 5.0SN BK BX | 2473000000 N.29 | LM 5.08/09/90 3.5SN OR BX | 9994180000 F.26 |
| IE-S1DS2VE0150TM1TM1-E | 2726050150 C.9 | LL 5.08/03/90 3.2SN OR BX | 1934260000 F.33 | LLFS 7.50/03/180V 5.0SN BK BX | 2491630000 N.31 | LM 5.08/10/135 3.5SN OR BX | 9994610000 F.27 |
| IE-S1DS2VE0200TM1TM1-E | 2726050200 C.9 | LL 5.08/04/180 3.2SN OR BX | 2429810000 F.33 | LLFS 7.50/03/90V 5.0SN BK BX LLFS 7.50/04/180V 5.0SN BK BX | 2473010000 N.29 2491640000 N.31 | LM 5.08/10/180 3.5SN OR BX | 9995030000 F.27 |
| IE-S1DS2VE0400T01T01-E IE-S1DS2VE0400TM1TM1-E | 2725850400 C.8 2726050400 C.9 | LL 5.08/04/90 3.2SN OR BX LL 5.08/05/180 3.2SN OR BX | 1001850000 F.33 2431930000 F.33 | LLFS 7.50/04/180V 5.0SN BK BX LLFS 7.50/04/90V 5.0SN BK BX | 2491640000 N.31 2473020000 N.29 | LM 5.08/10/90 3.5SN OR BX LM 5.08/11/135 3.5SN OR BX | 9994190000 F.26 9994620000 F.27 |
| IE-S1ES2LE-500 | 2924370000 C.12 | LL 5.08/05/90 3.2SN OR BX | 1001860000 F.33 | LLFS 7.50/05/180V 5.0SN BK BX | 2491650000 N.31 | LM 5.08/11/180 3.5SN OR BX | 9995040000 F.27 |
| IE-S1ES2UE-500 | 2924360000 C.12 | LL 5.08/06/180 3.2SN OR BX | 2431950000 F.33 | LLFS 7.50/05/90V 5.0SN BK BX | 2473030000 N.29 | LM 5.08/11/90 3.5SN OR BX | 9994200000 F.26 |
| IE-TO-SPO-C-LP | 2870790000 C.16 | LL 5.08/06/90 3.2SN OR BX | 1001870000 F.33 | LLFS 7.50/06/180V 5.0SN BK BX | 2491660000 N.31 | LM 5.08/12/135 3.5SN OR BX | 9994630000 F.27 |
| 17 | | LL 5.08/07/180 3.2SN OR BX LL 5.08/07/90 3.2SN OR BX | 2431960000 F.33 1001880000 F.33 | LLFS 7.50/06/90V 5.0SN BK BX LLFS 7.50/07/180V 5.0SN BK BX | 2473040000 N.29 2491670000 N.31 | LM 5.08/12/180 3.5SN OR BX LM 5.08/12/90 3.5SN OR BX | 9995050000 F.27 9994210000 F.26 |
| K | | LL 5.08/08/180 3.2SN OR BX | 2431970000 F.33 | LLFS 7.50/07/90V 5.0SN BK BX | 2473050000 N.29 | LM1H 5.08/02/90 3.5SN OR BX | 1766360000 F.29 |
| KO BU/SU10.16HP BK | 1824410000 0.76 | LL 5.08/08/90 3.2SN OR BX | 1001890000 F.33 | LLFS 7.50/08/180V 5.0SN BK BX | 2491680000 N.31 | LM1H 5.08/03/90 3.5SN OR BX | 1766370000 F.29 |
| KO BU/SU10.16HP BK | 1824410000 0.78 | LL 5.08/09/180 3.2SN OR BX | 2431980000 F.33 | LLFS 7.50/08/90V 5.0SN BK BX | 2473060000 N.29 | LM1N 3.50/02/90 3.2SN OR BX | 1716710000 F.20 |
| KO BU/SU10.16HP BK | 1824410000 0.80 | LL 5.08/09/90 3.2SN OR BX | 1001900000 F.33 2431990000 F.33 | LLFS 7.50/09/180V 5.0SN BK BX | 2491690000 N.31 2473070000 N.29 | LM1N 3.50/03/90 3.2SN OR BX | 1716720000 F.20 1766300000 F.28 |
| KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 1824410000 0.82 1824410000 0.84 | LL 5.08/10/180 3.2SN OR BX LL 5.08/10/90 3.2SN OR BX | 1001910000 F.33 | LLFS 7.50/09/90V 5.0SN BK BX LLFS 7.50/10/180V 5.0SN BK BX | 2473070000 N.29 2491700000 N.31 | LM1N 5.08/02/90 3.5SN OR BX LM1N 5.08/03/90 3.5SN OR BX | 1766310000 F.28 |
| KO BU/SU10.16HP BK | 1824410000 0.86 | LL 5.08/11/180 3.2SN OR BX | 2432000000 F.33 | LLFS 7.50/10/90V 5.0SN BK BX | 2473080000 N.29 | LM2H 5.08/04/90 3.5SN OR BX | 1769240000 F.31 |
| KO BU/SU10.16HP BK | 1824410000 0.88 | LL 5.08/11/90 3.2SN OR BX | 1001920000 F.33 | LLFS 7.50/11/180V 5.0SN BK BX | 2491710000 N.31 | LM2H 5.08/06/90 3.5SN OR BX | 1769250000 F.31 |
| KO BU/SU10.16HP BK | 1824410000 0.90 | LL 5.08/12/180 3.2SN OR BX | 2432010000 F.33 | LLFS 7.50/11/90V 5.0SN BK BX | 2473090000 N.29 | LM2H 5.08/08/90 3.5SN OR BX | 1769260000 F.31 |
| KO BU/SU10.16HP BK | 1824410000 0.92 | LL 5.08/12/90 3.2SN OR BX LL 6.35/02/90V 5.0SN BK BX | 1001930000 F.33 1356830000 N.16 | LLFS 7.50/12/180V 5.0SN BK BX LLFS 7.50/12/90V 5.0SN BK BX | 2491720000 N.31 2473100000 N.29 | LM2H 5.08/10/90 3.5SN OR BX LM2H 5.08/12/90 3.5SN OR BX | 1769270000 F.31 1769280000 F.31 |
| KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 1824410000 0.94 1824410000 0.96 | LL 6.35/03/90V 5.0SN BK BX | 1356840000 N.16 | LM 3.50/02/135 3.2SN OR BX | 1714980000 F.19 | LM2H 5.08/12/90 3.5SN OR BX | 1769290000 F.31 |
| KO BU/SU10.16HP BK | 1824410000 0.98 | LL 6.35/04/90V 5.0SN BK BX | 1356850000 N.16 | LM 3.50/02/90 3.2SN OR BX | 1667750000 F.18 | LM2H 5.08/16/90 3.5SN OR BX | 1769300000 F.31 |
| KO BU/SU10.16HP BK | 1824410000 0.100 | LL 6.35/05/90V 5.0SN BK BX | 1356870000 N.16 | LM 3.50/03/135 3.2SN OR BX | 1715020000 F.19 | LM2H 5.08/18/90 3.5SN OR BX | 1769310000 F.31 |
| KO BU/SU10.16HP BK | 1824410000 0.210 | LL 6.35/06/90V 5.0SN BK BX | 1356880000 N.16 | LM 3.50/03/90 3.2SN OR BX | 1667770000 F.18 | LM2H 5.08/20/90 3.5SN OR BX | 1769320000 F.31 |
| KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 1824410000 0.212 1824410000 0.214 | LL 6.35/07/90V 5.0SN BK BX LL 6.35/08/90V 5.0SN BK BX | 1356890000 N.16 1356900000 N.16 | LM 3.50/04/135 3.2SN OR BX LM 3.50/04/90 3.2SN OR BX | 1845220000 F.19 1845040000 F.18 | LM2H 5.08/22/90 3.5SN OR BX LM2H 5.08/24/90 3.5SN OR BX | 1769330000 F.31 1769340000 F.31 |
| NO DU/OU IU. IDHY BK | 1024410000 0.214 | 0.00, 00, 00¥ 0.00N DN DN | .00000000 W.10 | 0.00, 0 1, 00 0.E0N OH DA | 1010010000 1.10 | UI U.S.S., ET/ OU U.SUN UII UA | .7000-0000 1.01 |

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|------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------|------------------------------------|--------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------|------------------------------------|
| LM2N 3.50/04/90 3.2SN OR BX | 1703700000 F.21 | LMF 7.50/02/180 3.5SN OR BX | 2774540000 F.93 | LMFV 5.00/16/90 3.5SN OR BX | 2786690000 F.94 | LS2HF 3.50/24/90 3.5SN OR BX | 2001040000 F.96 |
| LM2N 3.50/06/90 3.2SN OR BX LM2N 3.50/08/90 3.2SN OR BX | 1703710000 F.21 1703720000 F.21 | LMF 7.50/02/90 3.5SN OR BX LMF 7.50/03/180 3.5SN OR BX | 2667910000 F.92 2774550000 F.93 | LMFV 7.50/02/90 3.5SN OR BX LMFV 7.50/03/90 3.5SN OR BX | 2787570000 F.95 2787580000 F.95 | LSF-SMD 3.50/02/135 SN BK RL LSF-SMD 3.50/02/180 SN BK RL | 1473310000 F.83 1250360000 F.83 |
| LM2N 3.50/10/90 3.2SN OR BX | 1703720000 F.21 | LMF 7.50/03/90 3.5SN OR BX | 2667920000 F.92 | LMFV 7.50/04/90 3.5SN OR BX | 2787590000 F.95 | LSF-SMD 3.50/02/90 SN BK RL | 1412410000 F.82 |
| LM2N 3.50/12/90 3.2SN OR BX | 1703740000 F.21 | LMF 7.50/04/180 3.5SN OR BX | 2774560000 F.93 | LMFV 7.50/05/90 3.5SN OR BX | 2787600000 F.95 | LSF-SMD 3.50/03/135 SN BK RL | 1473320000 F.83 |
| LM2N 3.50/14/90 3.2SN OR BX LM2N 3.50/16/90 3.2SN OR BX | 1703750000 F.21 1703760000 F.21 | LMF 7.50/04/90 3.5SN OR BX LMF 7.50/05/180 3.5SN OR BX | 2667830000 F.92 2774570000 F.93 | LMFV 7.50/06/90 3.5SN OR BX LMFV 7.50/07/90 3.5SN OR BX | 2787610000 F.95 2787620000 F.95 | LSF-SMD 3.50/03/180 SN BK RL LSF-SMD 3.50/03/90 SN BK RL | 1250370000 F.83 1412420000 F.82 |
| LM2N 3.50/18/90 3.2SN OR BX | 1703770000 F.21 | LMF 7.50/05/90 3.5SN OR BX | 2667840000 F.92 | LMFV 7.50/08/90 3.5SN OR BX | 2787630000 F.95 | LSF-SMD 3.50/03/90 SN BK RL | 1473330000 F.83 |
| LM2N 3.50/20/90 3.2SN OR BX | 1703780000 F.21 | LMF 7.50/06/180 3.5SN OR BX | 2774580000 F.93 | LMFV 7.50/09/90 3.5SN OR BX | 2787640000 F.95 | LSF-SMD 3.50/04/180 SN BK RL | 1250380000 F.83 |
| LM2N 3.50/22/90 3.2SN OR BX LM2N 3.50/24/90 3.2SN OR BX | 1703790000 F.21 | LMF 7.50/06/90 3.5SN OR BX | 2667850000 F.92 | LMFV 7.50/10/90 3.5SN OR BX | 2787650000 F.95 | LSF-SMD 3.50/04/90 SN BK RL | 1473510000 F.82 |
| LM2N 5.08/04/90 3.5SN OR BX | 1703800000 F.21 1768850000 F.30 | LMF 7.50/07/180 3.5SN OR BX LMF 7.50/07/90 3.5SN OR BX | 2774590000 F.93 2667860000 F.92 | LMFV 7.50/11/90 3.5SN OR BX LMFV 7.50/12/90 3.5SN OR BX | 2787660000 F.95 2787670000 F.95 | LSF-SMD 3.50/05/135 SN BK RL LSF-SMD 3.50/05/180 SN BK RL | 1473340000 F.83 1250390000 F.83 |
| LM2N 5.08/06/90 3.5SN OR BX | 1768860000 F.30 | LMF 7.50/08/180 3.5SN OR BX | 2774600000 F.93 | LMZF 10/10/135 3.50R | 1953550000 F.102 | LSF-SMD 3.50/05/90 SN BK RL | 1473520000 F.82 |
| LM2N 5.08/08/90 3.5SN OR BX | 1768870000 F.30 | LMF 7.50/08/90 3.5SN OR BX | 2667870000 F.92 | LMZF 10/11/135 3.50R | 1953560000 F.102 | LSF-SMD 3.50/06/135 SN BK RL | 1473350000 F.83 |
| LM2N 5.08/10/90 3.5SN OR BX LM2N 5.08/12/90 3.5SN OR BX | 1768880000 F.30 1768890000 F.30 | LMF 7.50/09/180 3.5SN OR BX LMF 7.50/09/90 3.5SN OR BX | 2774610000 F.93 2667880000 F.92 | LMZF 10/12/135 3.50R LMZF 10/2/135 3.50R | 1953570000 F.102 1953470000 F.102 | LSF-SMD 3.50/06/180 SN BK RL LSF-SMD 3.50/06/90 SN BK RL | 1250410000 F.83 1473530000 F.82 |
| LM2N 5.08/14/90 3.5SN OR BX | 1768900000 F.30 | LMF 7.50/10/180 3.5SN OR BX | 2774620000 F.93 | LMZF 10/3/135 3.50R | 1953480000 F.102 | LSF-SMD 3.50/07/135 SN BK RL | 1473370000 F.83 |
| LM2N 5.08/16/90 3.5SN OR BX | 1768910000 F.30 | LMF 7.50/10/90 3.5SN OR BX | 2667930000 F.92 | LMZF 10/4/135 3.50R | 1953490000 F.102 | LSF-SMD 3.50/07/180 SN BK RL | 1250420000 F.83 |
| LM2N 5.08/18/90 3.5SN OR BX LM2N 5.08/20/90 3.5SN OR BX | 1768920000 F.30 1768930000 F.30 | LMF 7.50/11/180 3.5SN OR BX LMF 7.50/11/90 3.5SN OR BX | 2774630000 F.93 2668140000 F.92 | LMZF 10/5/135 3.50R LMZF 10/6/135 3.50R | 1953500000 F.102 1953510000 F.102 | LSF-SMD 3.50/07/90 SN BK RL LSF-SMD 3.50/08/135 SN BK RL | 1473540000 F.82 1473380000 F.83 |
| LM2N 5.08/22/90 3.5SN OR BX | 1768940000 F.30 | LMF 7.50/12/180 3.5SN OR BX | 2774640000 F.93 | LMZF 10/7/135 3.50R | 1953520000 F.102 | LSF-SMD 3.50/08/180 SN BK RL | 1250430000 F.83 |
| LM2N 5.08/24/90 3.5SN OR BX | 1768950000 F.30 | LMF 7.50/12/90 3.5SN OR BX | 2668150000 F.92 | LMZF 10/8/135 3.50R | 1953530000 F.102 | LSF-SMD 3.50/08/90 SN BK RL | 1473550000 F.82 |
| LM2NZF 5.08/04/135 3.5SN OR BX LM2NZF 5.08/06/135 3.5SN OR BX | 1764810000 F.104 1764820000 F.104 | LMFS 5.00/02/180 3.5SN OR BX LMFS 5.00/02/90 3.5SN OR BX | 1330430000 F.89 1331960000 F.89 | LMZF 10/9/135 3.50R LMZF 5/10/135 3.50R | 1953540000 F.102 1914070000 F.98 | LSF-SMD 3.50/09/135 SN BK RL LSF-SMD 3.50/09/180 SN BK RL | 1473390000 F.83 1250440000 F.83 |
| LM2NZF 5.08/08/135 3.5SN OR BX | 1764830000 F.104 | LMFS 5.00/03/180 3.5SN OR BX | 1330440000 F.89 | LMZF 5/11/135 3.50R | 1914080000 F.98 | LSF-SMD 3.50/09/90 SN BK RL | 1473570000 F.82 |
| LM2NZF 5.08/10/135 3.5SN OR BX | 1764840000 F.104 | LMFS 5.00/03/90 3.5SN OR BX | 1331970000 F.89 | LMZF 5/12/135 3.50R | 1914090000 F.98 | LSF-SMD 3.50/10/135 SN BK RL | 1473410000 F.83 |
| LM2NZF 5.08/12/135 3.5SN OR BX LM2NZF 5.08/14/135 3.5SN OR BX | 1764850000 F.104 1764860000 F.104 | LMFS 5.00/04/180 3.5SN OR BX LMFS 5.00/04/90 3.5SN OR BX | 1330450000 F.89 1331980000 F.89 | LMZF 5/2/135 3.50R LMZF 5/3/135 3.50R | 1913780000 F.98 1913820000 F.98 | LSF-SMD 3.50/10/180 SN BK RL LSF-SMD 3.50/10/90 SN BK RL | 1250450000 F.83 1473590000 F.82 |
| LM2NZF 5.08/16/135 3.5SN OR BX | 1764870000 F.104 | LMFS 5.00/05/180 3.5SN OR BX | 1330470000 F.89 | LMZF 5/4/135 3.50R | 1913960000 F.98 | LSF-SMD 3.50/11/135 SN BK RL | 1473420000 F.83 |
| LM2NZF 5.08/18/135 3.5SN OR BX | 1764880000 F.104 | LMFS 5.00/05/90 3.5SN OR BX | 1331990000 F.89 | LMZF 5/5/135 3.50R | 1914000000 F.98 | LSF-SMD 3.50/11/180 SN BK RL | 1250460000 F.83 |
| LM2NZF 5.08/20/135 3.5SN OR BX | 1758020000 F.104 | LMFS 5.00/06/180 3.5SN OR BX | 1330490000 F.89 | LMZF 5/6/135 3.50R | 1914020000 F.98 | LSF-SMD 3.50/11/90 SN BK RL | 1473620000 F.82 |
| LM2NZF 5.08/22/135 3.5SN OR BX LM2NZF 5.08/24/135 3.5SN OR BX | 1764890000 F.104 1764900000 F.104 | LMFS 5.00/06/90 3.5SN OR BX LMFS 5.00/07/180 3.5SN OR BX | 1332010000 F.89 1330500000 F.89 | LMZF 5/7/135 3.50R LMZF 5/8/135 3.50R | 1914030000 F.98 1914040000 F.98 | LSF-SMD 3.50/12/135 SN BK RL LSF-SMD 3.50/12/180 SN BK RL | 1473430000 F.83 1250470000 F.83 |
| LM3R 5.08/06/90 3.5SN OR BX | 1769620000 F.31 | LMFS 5.00/07/90 3.5SN OR BX | 1332020000 F.89 | LMZF 5/9/135 3.50R | 1914050000 F.98 | LSF-SMD 3.50/12/90 SN BK RL | 1473650000 F.82 |
| LM3R 5.08/09/90 3.5SN OR BX | 1769630000 F.31 | LMFS 5.00/08/180 3.5SN OR BX | 1330510000 F.89 | LMZF 7/10/135 3.50R | 1952650000 F.100 | LSF-SMD 5.00/02/135 SN BK RL | 1473690000 F.85 |
| LM3R 5.08/12/90 3.5SN OR BX LM3R 5.08/15/90 3.5SN OR BX | 1769640000 F.31 1769650000 F.31 | LMFS 5.00/08/90 3.5SN OR BX LMFS 5.00/09/180 3.5SN OR BX | 1332030000 F.89 1330520000 F.89 | LMZF 7/11/135 3.50R LMZF 7/12/135 3.50R | 1952660000 F.100 1952670000 F.100 | LSF-SMD 5.00/02/180 SN BK RL LSF-SMD 5.00/02/90 SN BK RL | 1473560000 F.85 1473770000 F.84 |
| LM3R 5.08/18/90 3.5SN OR BX | 1769660000 F.31 | LMFS 5.00/09/90 3.5SN OR BX | 1332040000 F.89 | LMZF 7/2/135 3.50R | 1952570000 F.100 | LSF-SMD 5.00/03/135 SN BK RL | 1473700000 F.85 |
| LM3R 5.08/21/90 3.5SN OR BX | 1769670000 F.31 | LMFS 5.00/10/180 3.5SN OR BX | 1330530000 F.89 | LMZF 7/3/135 3.50R | 1952580000 F.100 | LSF-SMD 5.00/03/180 SN BK RL | 1473580000 F.85 |
| LM3R 5.08/24/90 3.5SN OR BX LM3R 5.08/27/90 3.5SN OR BX | 1769680000 F.31 1769690000 F.31 | LMFS 5.00/10/90 3.5SN OR BX LMFS 5.00/11/180 3.5SN OR BX | 1332050000 F.89 1330540000 F.89 | LMZF 7/4/135 3.50R LMZF 7/5/135 3.50R | 1952590000 F.100 1952600000 F.100 | LSF-SMD 5.00/03/90 SN BK RL LSF-SMD 5.00/04/135 SN BK RL | 1473780000 F.84 1473710000 F.85 |
| LM3R 5.08/30/90 3.5SN OR BX | 1769700000 F.31 | LMFS 5.00/11/90 3.5SN OR BX | 1332060000 F.89 | LMZF 7/6/135 3.50R | 1952610000 F.100 | LSF-SMD 5.00/04/180 SN BK RL | 1473610000 F.85 |
| LM3R 5.08/33/90 3.5SN OR BX | 1769710000 F.31 | LMFS 5.00/12/180 3.5SN OR BX | 1330550000 F.89 | LMZF 7/7/135 3.50R | 1952620000 F.100 | LSF-SMD 5.00/04/90 SN BK RL | 1473790000 F.84 |
| LM3R 5.08/36/90 3.5SN OR BX LM3RZF 5.08/06/135 3.5SN OR BX | 1769720000 F.31 1764910000 F.105 | LMFS 5.00/12/90 3.5SN OR BX LMFS 5.08/02/180 3.5SN OR BX | 1332070000 F.89 1331430000 F.91 | LMZF 7/8/135 3.50R LMZF 7/9/135 3.50R | 1952630000 F.100 1952640000 F.100 | LSF-SMD 5.00/05/135 SN BK RL LSF-SMD 5.00/05/180 SN BK RL | 1473720000 F.85 1473640000 F.85 |
| LM3RZF 5.08/09/135 3.5SN OR BX | 1764920000 F.105 | LMFS 5.08/02/90 3.5SN OR BX | 1330960000 F.91 | LMZFL 10/10/135 3.50R | 1954010000 F.103 | LSF-SMD 5.00/05/90 SN BK RL | 1473800000 F.84 |
| LM3RZF 5.08/12/135 3.5SN OR BX | 1764930000 F.105 | LMFS 5.08/03/180 3.5SN OR BX | 1331440000 F.91 | LMZFL 10/11/135 3.50R | 1954020000 F.103 | LSF-SMD 5.00/06/135 SN BK RL | 1473740000 F.85 |
| LM3RZF 5.08/15/135 3.5SN OR BX LM3RZF 5.08/18/135 3.5SN OR BX | 1764940000 F.105 1764950000 F.105 | LMFS 5.08/03/90 3.5SN OR BX LMFS 5.08/04/180 3.5SN OR BX | 1330970000 F.91 1331450000 F.91 | LMZFL 10/12/135 3.50R LMZFL 10/2/135 3.50R | 1954030000 F.103 1953930000 F.103 | LSF-SMD 5.00/06/180 SN BK RL LSF-SMD 5.00/06/90 SN BK RL | 1473660000 F.85 1473810000 F.84 |
| LM3RZF 5.08/21/135 3.5SN OR BX | 1758040000 F.105 | LMFS 5.08/04/90 3.5SN OR BX | 1330980000 F.91 | LMZFL 10/3/135 3.50R | 1953940000 F.103 | LSF-SMD 5.00/07/135 SN BK RL | 1473750000 F.85 |
| LM3RZF 5.08/24/135 3.5SN OR BX | 1764960000 F.105 | LMFS 5.08/05/180 3.5SN OR BX | 1331470000 F.91 | LMZFL 10/4/135 3.50R | 1953950000 F.103 | LSF-SMD 5.00/07/180 SN BK RL | 1473670000 F.85 |
| LM3RZF 5.08/27/135 3.5SN OR BX LM3RZF 5.08/30/135 3.5SN OR BX | 1764970000 F.105 1758030000 F.105 | LMFS 5.08/05/90 3.5SN OR BX LMFS 5.08/06/180 3.5SN OR BX | 1330990000 F.91 1331480000 F.91 | LMZFL 10/5/135 3.50R LMZFL 10/6/135 3.50R | 1953960000 F.103 1953970000 F.103 | LSF-SMD 5.00/07/90 SN BK RL LSF-SMD 5.00/08/135 SN BK RL | 1473820000 F.84 1473760000 F.85 |
| LM3RZF 5.08/33/135 3.5SN OR BX | 1764980000 F.105 | LMFS 5.08/06/90 3.5SN OR BX | 1331000000 F.91 | LMZFL 10/7/135 3.50R | 1953980000 F.103 | LSF-SMD 5.00/08/180 SN BK RL | 1473680000 F.85 |
| LM3RZF 5.08/36/135 3.5SN OR BX | 1764990000 F.105 | LMFS 5.08/07/180 3.5SN OR BX | 1331490000 F.91 | LMZFL 10/8/135 3.50R | 1953990000 F.103 | LSF-SMD 5.00/08/90 SN BK RL | 1473830000 F.84 |
| LMF 5.00/02/180 3.5SN OR BX LMF 5.00/02/90 3.5SN OR BX | 1330180000 F.89 1331700000 F.88 | LMFS 5.08/07/90 3.5SN OR BX LMFS 5.08/08/180 3.5SN OR BX | 1331010000 F.91 1331500000 F.91 | LMZFL 10/9/135 3.50R LMZFL 5/10/135 3.50R | 1954000000 F.103 1914860000 F.99 | LSF-SMD 7.50/02/135 SN BK RL LSF-SMD 7.50/02/180 SN BK RL | 1473890000 F.87 1473840000 F.87 |
| LMF 5.00/03/180 3.5SN OR BX | 1330190000 F.89 | LMFS 5.08/08/90 3.5SN OR BX | 1331020000 F.91 | LMZFL 5/11/135 3.50R | 1914990000 F.99 | LSF-SMD 7.50/02/90 SN BK RL | 1473940000 F.86 |
| LMF 5.00/03/90 3.5SN OR BX | 1331710000 F.88 | LMFS 5.08/09/180 3.5SN OR BX | 1331510000 F.91 | LMZFL 5/12/135 3.50R | 1915030000 F.99 | LSF-SMD 7.50/03/135 SN BK RL | 1473900000 F.87 |
| LMF 5.00/04/180 3.5SN OR BX | 1330200000 F.89 | LMFS 5.08/09/90 3.5SN OR BX | 1331030000 F.91 | LMZFL 5/2/135 3.50R | 1914560000 F.99 | LSF-SMD 7.50/03/180 SN BK RL | 1473850000 F.87 |
| LMF 5.00/05/180 3.5SN OR BX | 1330210000 F.89 | LMFS 5.08/10/90 3.5SN OR BX | 1331040000 F.91 | LMZFL 5/4/135 3.50R | 1914590000 F.99 | LSF-SMD 7.50/04/135 SN BK RL | 1473910000 F.87 |
| LMF 5.00/05/90 3.5SN OR BX | 1331730000 F.88 | LMFS 5.08/11/180 3.5SN OR BX | 1331530000 F.91 | LMZFL 5/5/135 3.50R | 1914600000 F.99 | LSF-SMD 7.50/04/180 SN BK RL | 1473860000 F.87 |
| LMF 5.00/06/180 3.5SN OR BX LMF 5.00/06/90 3.5SN OR BX | 1330220000 F.89 1331740000 F.88 | LMFS 5.08/11/90 3.5SN OR BX LMFS 5.08/12/180 3.5SN OR BX | 1331050000 F.91 1331540000 F.91 | LMZFL 5/6/135 3.50R LMZFL 5/7/135 3.50R | 1914640000 F.99 1914720000 F.99 | LSF-SMD 7.50/04/90 SN BK RL LSF-SMD 7.50/05/135 SN BK RL | 1473960000 F.86 1473920000 F.87 |
| LMF 5.00/07/180 3.5SN OR BX | 1330230000 F.89 | LMFS 5.08/12/90 3.5SN OR BX | 1331060000 F.91 | LMZFL 5/8/135 3.50R | 1914790000 F.99 | LSF-SMD 7.50/05/180 SN BK RL | 1473870000 F.87 |
| LMF 5.00/07/90 3.5SN OR BX | 1331750000 F.88 | LMFS 7.50/02/180 3.5SN OR BX | 2774760000 F.93 | LMZFL 5/9/135 3.50R | 1914830000 F.99 | LSF-SMD 7.50/05/90 SN BK RL | 1473970000 F.86 |
| LMF 5.00/08/180 3.5SN OR BX LMF 5.00/08/90 3.5SN OR BX | 1330240000 F.89 1331770000 F.88 | LMFS 7.50/02/90 3.5SN OR BX LMFS 7.50/03/180 3.5SN OR BX | 2667420000 F.93 2774770000 F.93 | LMZFL 7/10/135 3.50R | 1953090000 F.101 | LSF-SMD 7.50/06/135 SN BK RL | 1473930000 F.87 1473880000 F.87 |
| LMF 5.00/09/180 3.55N OR BX | 1331770000 F.88 1330250000 F.89 | LMFS 7.50/03/90 3.5SN OR BX | 2774770000 F.93 2667430000 F.93 | LMZFL 7/11/135 3.50R LMZFL 7/12/135 3.50R | 1953100000 F.101 1953110000 F.101 | LSF-SMD 7.50/06/180 SN BK RL LSF-SMD 7.50/06/90 SN BK RL | 1473880000 F.87 1473980000 F.86 |
| LMF 5.00/09/90 3.5SN OR BX | 1331780000 F.88 | LMFS 7.50/04/180 3.5SN OR BX | 2774780000 F.93 | LMZFL 7/2/135 3.50R | 1953010000 F.101 | LSF-SMT 3.50/02/135 1.5SN BK RL | 1887550000 F.49 |
| LMF 5.00/10/180 3.5SN OR BX LMF 5.00/10/90 3.5SN OR BX | 1330270000 F.89 1331790000 F.88 | LMFS 7.50/04/90 3.5SN OR BX LMFS 7.50/05/180 3.5SN OR BX | 2667440000 F.93 2774790000 F.93 | LMZFL 7/3/135 3.50R LMZFL 7/4/135 3.50R | 1953020000 F.101 1953030000 F.101 | LSF-SMT 3.50/02/135 1.5SN BK TU LSF-SMT 3.50/02/135 3.5SN BK RL | 1885180000 F.48 1887340000 F.49 |
| LMF 5.00/11/180 3.5SN OR BX | 1330280000 F.89 | LMFS 7.50/05/90 3.5SN OR BX | 2667450000 F.93 | LMZFL 7/5/135 3.50R | 1953040000 F.101 | LSF-SMT 3.50/02/135 3.5SN BK TU | 1885650000 F.48 |
| LMF 5.00/11/90 3.5SN OR BX | 1331800000 F.88 | LMFS 7.50/06/180 3.5SN OR BX | 2774800000 F.93 | LMZFL 7/6/135 3.50R | 1953050000 F.101 | LSF-SMT 3.50/02/180 1.5SN BK RL | 1874490000 F.51 |
| LMF 5.00/12/180 3.5SN OR BX | 1330290000 F.89 1331810000 F.88 | LMFS 7.50/06/90 3.5SN OR BX | 2667460000 F.93 2774810000 F.93 | LMZFL 7/7/135 3.50R | 1953060000 F.101 | LSF-SMT 3.50/02/180 1.5SN BK TU LSF-SMT 3.50/02/180 3.5SN BK RL | 1870640000 F.50 1874510000 F.51 |
| LMF 5.00/12/90 3.5SN OR BX LMF 5.08/02/180 3.5SN OR BX | 1331810000 F.88 1331080000 F.91 | LMFS 7.50/07/180 3.5SN OR BX LMFS 7.50/07/90 3.5SN OR BX | 2667470000 F.93 | LMZFL 7/8/135 3.50R LMZFL 7/9/135 3.50R | 1953070000 F.101 1953080000 F.101 | LSF-SMT 3.50/02/180 3.5SN BK TU | 1874510000 F.51 1825640000 F.50 |
| LMF 5.08/02/90 3.5SN OR BX | 1330710000 F.90 | LMFS 7.50/08/180 3.5SN OR BX | 2774820000 F.93 | LS 5.08/02/90 3.5SN OR BX | 1912520000 F.22 | LSF-SMT 3.50/02/90 1.5SN BK RL | 1874690000 F.47 |
| LMF 5.08/03/180 3.5SN OR BX | 1331100000 F.91 | LMFS 7.50/08/90 3.5SN OR BX | 2667480000 F.93 | LS 5.08/03/90 3.5SN OR BX | 1912530000 F.22 | LSF-SMT 3.50/02/90 1.5SN BK TU | 1870500000 F.46 |
| LMF 5.08/03/90 3.5SN OR BX LMF 5.08/04/180 3.5SN OR BX | 1330720000 F.90 1331120000 F.91 | LMFS 7.50/09/180 3.5SN OR BX LMFS 7.50/09/90 3.5SN OR BX | 2774830000 F.93 2667490000 F.93 | LS 5.08/04/90 3.5SN OR BX LS 5.08/05/90 3.5SN OR BX | 1912540000 F.22 1912560000 F.22 | LSF-SMT 3.50/02/90 3.5SN BK RL LSF-SMT 3.50/02/90 3.5SN BK TU | 1874990000 F.47 1824420000 F.46 |
| LMF 5.08/04/90 3.5SN OR BX | 1330730000 F.90 | LMFS 7.50/10/180 3.5SN OR BX | 2774840000 F.93 | LS 5.08/06/90 3.5SN OR BX | 1912570000 F.22 | LSF-SMT 3.50/03/135 1.5SN BK RL | 1887560000 F.49 |
| LMF 5.08/05/180 3.5SN OR BX | 1331140000 F.91 | LMFS 7.50/10/90 3.5SN OR BX | 2667500000 F.93 | LS 5.08/07/90 3.5SN OR BX | 1912850000 F.22 | LSF-SMT 3.50/03/135 1.5SN BK TU | 1885190000 F.48 |
| LMF 5.08/05/90 3.5SN OR BX LMF 5.08/06/180 3.5SN OR BX | 1330740000 F.90 1331160000 F.91 | LMFS 7.50/11/180 3.5SN OR BX LMFS 7.50/11/90 3.5SN OR BX | 2774850000 F.93 2667510000 F.93 | LS 5.08/08/90 3.5SN OR BX LS 5.08/09/90 3.5SN OR BX | 1912890000 F.22 1912900000 F.22 | LSF-SMT 3.50/03/135 3.5SN BK RL LSF-SMT 3.50/03/135 3.5SN BK TU | 1887350000 F.49 1885660000 F.48 |
| LMF 5.08/06/90 3.5SN OR BX | 1330750000 F.90 | LMFS 7.50/12/180 3.5SN OR BX | 2774860000 F.93 | LS 5.08/10/90 3.5SN OR BX | 1912910000 F.22 | LSF-SMT 3.50/03/180 1.5SN BK RL | 1874300000 F.51 |
| LMF 5.08/07/180 3.5SN OR BX | 1331180000 F.91 | LMFS 7.50/12/90 3.5SN OR BX | 2667520000 F.93 | LS 5.08/11/90 3.5SN OR BX | 1912930000 F.22 | LSF-SMT 3.50/03/180 1.5SN BK TU | 1870650000 F.50 |
| LMF 5.08/07/90 3.5SN OR BX LMF 5.08/08/180 3.5SN OR BX | 1330770000 F.90 1331200000 F.91 | LMFV 5.00/02/90 3.5SN OR BX LMFV 5.00/03/90 3.5SN OR BX | 2786530000 F.94 2786540000 F.94 | LS 5.08/12/90 3.5SN OR BX LS2HF 3.50/04/90 3.5SN OR BX | 1912940000 F.22 2000940000 F.96 | LSF-SMT 3.50/03/180 3.5SN BK RL LSF-SMT 3.50/03/180 3.5SN BK TU | 1874520000 F.51 1825650000 F.50 |
| LMF 5.08/08/180 3.55N OR BX | 1331200000 F.91 | LMFV 5.00/04/90 3.5SN OR BX | 2786550000 F.94 | LS2HF 3.50/04/90 3.5SN OR BX | 2000940000 F.96 2000950000 F.96 | LSF-SMT 3.50/03/180 3.55N BK TU LSF-SMT 3.50/03/90 1.5SN BK RL | 1874710000 F.47 |
| LMF 5.08/09/180 3.5SN OR BX | 1331220000 F.91 | LMFV 5.00/05/90 3.5SN OR BX | 2786560000 F.94 | LS2HF 3.50/08/90 3.5SN OR BX | 2000960000 F.96 | LSF-SMT 3.50/03/90 1.5SN BK TU | 1870530000 F.46 |
| LMF 5.08/09/90 3.5SN OR BX | 1330790000 F.90 | LMFV 5.00/06/90 3.5SN OR BX | 2786570000 F.94 | LS2HF 3.50/10/90 3.5SN OR BX | 2000970000 F.96 | LSF-SMT 3.50/03/90 3.5SN BK RL | 1875030000 F.47 |
| LMF 5.08/10/180 3.5SN OR BX LMF 5.08/10/90 3.5SN OR BX | 1331240000 F.91 1330800000 F.90 | LMFV 5.00/07/90 3.5SN OR BX LMFV 5.00/08/90 3.5SN OR BX | 2786580000 F.94 2786590000 F.94 | LS2HF 3.50/12/90 3.5SN OR BX LS2HF 3.50/14/90 3.5SN OR BX | 2000980000 F.96 2000990000 F.96 | LSF-SMT 3.50/03/90 3.5SN BK TU LSF-SMT 3.50/04/135 1.5SN BK RL | 1824430000 F.46 1887580000 F.49 |
| LMF 5.08/11/180 3.5SN OR BX | 1331260000 F.91 | LMFV 5.00/09/90 3.5SN OR BX | 2786600000 F.94 | LS2HF 3.50/16/90 3.5SN OR BX | 2001000000 F.96 | LSF-SMT 3.50/04/135 1.5SN BK TU | 1885200000 F.48 |
| LMF 5.08/11/90 3.5SN OR BX | 1330810000 F.90 | LMFV 5.00/10/90 3.5SN OR BX | 2786620000 F.94 | LS2HF 3.50/18/90 3.5SN OR BX | 2001010000 F.96 | LSF-SMT 3.50/04/135 3.5SN BK RL | 1887360000 F.49 |
| LMF 5.08/12/180 3.5SN OR BX LMF 5.08/12/90 3.5SN OR BX | 1331280000 F.91 1330820000 F.90 | LMFV 5.00/11/90 3.5SN OR BX LMFV 5.00/12/90 3.5SN OR BX | 2786630000 F.94 2786640000 F.94 | LS2HF 3.50/20/90 3.5SN OR BX LS2HF 3.50/22/90 3.5SN OR BX | 2001020000 F.96 2001030000 F.96 | LSF-SMT 3.50/04/135 3.5SN BK TU LSF-SMT 3.50/04/180 1.5SN BK RL | 1885670000 F.48 1874280000 F.51 |
| | 220 | | | | | | |

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|--------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------|------------------------------------|
| LSF-SMT 3.50/04/180 1.5SN BK TU | 1870660000 F.50 | LSF-SMT 3.50/12/90 1.5SN BK RL | 1874970000 F.47 | LSF-SMT 3.81/09/90 3.5SN BK TU | 1824710000 F.52 | LSF-SMT 5.00/07/90 1.5SN BK RL | 1876330000 F.59 |
| LSF-SMT 3.50/04/180 3.5SN BK RL LSF-SMT 3.50/04/180 3.5SN BK TU | 1874540000 F.51 1825660000 F.50 | LSF-SMT 3.50/12/90 1.5SN BK TU LSF-SMT 3.50/12/90 3.5SN BK RL | 1871070000 F.46 1875160000 F.47 | LSF-SMT 3.81/10/135 1.5SN BK RL LSF-SMT 3.81/10/135 1.5SN BK TU | 1888530000 F.55 1885490000 F.54 | LSF-SMT 5.00/07/90 1.5SN BK TU LSF-SMT 5.00/07/90 3.5SN BK RL | 1869650000 F.58 1876540000 F.59 |
| LSF-SMT 3.50/04/180 3.55N BK RL | 1825660000 F.50 1874730000 F.47 | LSF-SMT 3.50/12/90 3.5SN BK TU | 1875160000 F.47 1824520000 F.46 | LSF-SMT 3.81/10/135 1.55N BK RL | 1885490000 F.54 1888430000 F.55 | LSF-SMT 5.00/07/90 3.5SN BK TU | 1824790000 F.58 |
| LSF-SMT 3.50/04/90 1.5SN BK TU | 1870550000 F.46 | LSF-SMT 3.81/02/135 1.5SN BK RL | 1888450000 F.55 | LSF-SMT 3.81/10/135 3.5SN BK TU | 1885960000 F.54 | LSF-SMT 5.00/08/135 1.5SN BK RL | 1888630000 F.61 |
| LSF-SMT 3.50/04/90 3.5SN BK RL LSF-SMT 3.50/04/90 3.5SN BK TU | 1875050000 F.47 1824440000 F.46 | LSF-SMT 3.81/02/135 1.5SN BK TU LSF-SMT 3.81/02/135 3.5SN BK RL | 1885410000 F.54 1888320000 F.55 | LSF-SMT 3.81/10/180 1.5SN BK RL LSF-SMT 3.81/10/180 1.5SN BK TU | 1875400000 F.57 1869970000 F.56 | LSF-SMT 5.00/08/135 1.5SN BK TU LSF-SMT 5.00/08/135 3.5SN BK RL | 1884590000 F.60 1888700000 F.61 |
| LSF-SMT 3.50/05/135 1.5SN BK RL | 1887630000 F.49 | LSF-SMT 3.81/02/135 3.5SN BK TU | 1885880000 F.54 | LSF-SMT 3.81/10/180 3.5SN BK RL | 1875760000 F.57 | LSF-SMT 5.00/08/135 3.5SN BK TU | 1884420000 F.60 |
| LSF-SMT 3.50/05/135 1.5SN BK TU LSF-SMT 3.50/05/135 3.5SN BK RL | 1885210000 F.48 1887460000 F.49 | LSF-SMT 3.81/02/180 1.5SN BK RL LSF-SMT 3.81/02/180 1.5SN BK TU | 1875320000 F.57 1869890000 F.56 | LSF-SMT 3.81/10/180 3.5SN BK TU LSF-SMT 3.81/10/90 1.5SN BK RL | 1825880000 F.56 1875300000 F.53 | LSF-SMT 5.00/08/180 1.5SN BK RL LSF-SMT 5.00/08/180 1.5SN BK TU | 1876090000 F.63 1870200000 F.62 |
| LSF-SMT 3.50/05/135 3.5SN BK TU | 1885680000 F.48 | LSF-SMT 3.81/02/180 1.55N BK RL | 1875550000 F.57 | LSF-SMT 3.81/10/90 1.55N BK TU | 1869440000 F.52 | LSF-SMT 5.00/08/180 1.55N BK RL | 1876230000 F.63 |
| LSF-SMT 3.50/05/180 1.5SN BK RL | 1874310000 F.51 | LSF-SMT 3.81/02/180 3.5SN BK TU | 1825790000 F.56 | LSF-SMT 3.81/10/90 3.5SN BK RL | 1876000000 F.53 | LSF-SMT 5.00/08/180 3.5SN BK TU | 1826020000 F.62 |
| LSF-SMT 3.50/05/180 1.5SN BK TU LSF-SMT 3.50/05/180 3.5SN BK RL | 1870670000 F.50 1874560000 F.51 | LSF-SMT 3.81/02/90 1.5SN BK RL LSF-SMT 3.81/02/90 1.5SN BK TU | 1875170000 F.53 1869360000 F.52 | LSF-SMT 3.81/10/90 3.5SN BK TU LSF-SMT 3.81/11/135 1.5SN BK RL | 1824720000 F.52 1888540000 F.55 | LSF-SMT 5.00/08/90 1.5SN BK RL LSF-SMT 5.00/08/90 1.5SN BK TU | 1876350000 F.59 1869660000 F.58 |
| LSF-SMT 3.50/05/180 3.5SN BK TU | 1825670000 F.50 | LSF-SMT 3.81/02/90 3.5SN BK RL | 1875920000 F.53 | LSF-SMT 3.81/11/135 1.5SN BK TU | 1885510000 F.54 | LSF-SMT 5.00/08/90 3.5SN BK RL | 1876520000 F.59 |
| LSF-SMT 3.50/05/90 1.5SN BK RL | 1874740000 F.47 | LSF-SMT 3.81/02/90 3.5SN BK TU | 1824620000 F.52 | LSF-SMT 3.81/11/135 3.5SN BK RL | 1888440000 F.55 | LSF-SMT 5.00/08/90 3.5SN BK TU | 1824800000 F.58 |
| LSF-SMT 3.50/05/90 1.5SN BK TU LSF-SMT 3.50/05/90 3.5SN BK RL | 1870580000 F.46 1875070000 F.47 | LSF-SMT 3.81/03/135 1.5SN BK RL LSF-SMT 3.81/03/135 1.5SN BK TU | 1888460000 F.55 1885420000 F.54 | LSF-SMT 3.81/11/135 3.5SN BK TU LSF-SMT 3.81/11/180 1.5SN BK RL | 1885970000 F.54 1875410000 F.57 | LSF-SMT 5.00/09/135 1.5SN BK TU LSF-SMT 5.00/09/135 3.5SN BK TU | 1884600000 F.60 1884430000 F.60 |
| LSF-SMT 3.50/05/90 3.5SN BK TU | 1824450000 F.46 | LSF-SMT 3.81/03/135 3.5SN BK RL | 1888330000 F.55 | LSF-SMT 3.81/11/180 1.5SN BK TU | 1870000000 F.56 | LSF-SMT 5.00/10/135 1.5SN BK TU | 1884660000 F.60 |
| LSF-SMT 3.50/06/135 1.5SN BK RL LSF-SMT 3.50/06/135 1.5SN BK TU | 1887640000 F.49 1885220000 F.48 | LSF-SMT 3.81/03/135 3.5SN BK TU LSF-SMT 3.81/03/180 1.5SN BK RL | 1885890000 F.54 1875330000 F.57 | LSF-SMT 3.81/11/180 3.5SN BK RL LSF-SMT 3.81/11/180 3.5SN BK TU | 1875810000 F.57 1825890000 F.56 | LSF-SMT 5.00/10/135 3.5SN BK TU LSF-SMT 5.00/11/135 1.5SN BK TU | 1884440000 F.60 1884670000 F.60 |
| LSF-SMT 3.50/06/135 3.5SN BK RL | 1887470000 F.49 | LSF-SMT 3.81/03/180 1.5SN BK TU | 1869900000 F.56 | LSF-SMT 3.81/11/90 1.5SN BK RL | 1875310000 F.53 | LSF-SMT 5.00/11/135 3.5SN BK TU | 1884450000 F.60 |
| LSF-SMT 3.50/06/135 3.5SN BK TU | 1885690000 F.48 | LSF-SMT 3.81/03/180 3.5SN BK RL | 1875570000 F.57 | LSF-SMT 3.81/11/90 1.5SN BK TU | 1869450000 F.52 | LSF-SMT 5.00/12/135 1.5SN BK TU | 1884680000 F.60 |
| LSF-SMT 3.50/06/180 1.5SN BK RL LSF-SMT 3.50/06/180 1.5SN BK TU | 1874320000 F.51 1870680000 F.50 | LSF-SMT 3.81/03/180 3.5SN BK TU LSF-SMT 3.81/03/90 1.5SN BK RL | 1825800000 F.56 1875230000 F.53 | LSF-SMT 3.81/11/90 3.5SN BK RL LSF-SMT 3.81/11/90 3.5SN BK TU | 1876010000 F.53 1824730000 F.52 | LSF-SMT 5.00/12/135 3.5SN BK TU LSF-SMT 5.08/02/135 1.5SN BK RL | 1884460000 F.60 1888710000 F.67 |
| LSF-SMT 3.50/06/180 3.5SN BK RL | 1874590000 F.51 | LSF-SMT 3.81/03/90 1.5SN BK TU | 1869370000 F.52 | LSF-SMT 3.81/12/135 1.5SN BK TU | 1885520000 F.54 | LSF-SMT 5.08/02/135 1.5SN BK TU | 1884730000 F.66 |
| LSF-SMT 3.50/06/180 3.5SN BK TU LSF-SMT 3.50/06/90 1.5SN BK RL | 1825680000 F.50 1874810000 F.47 | LSF-SMT 3.81/03/90 3.5SN BK RL LSF-SMT 3.81/03/90 3.5SN BK TU | 1875930000 F.53 1824630000 F.52 | LSF-SMT 3.81/12/135 3.5SN BK TU LSF-SMT 3.81/12/180 1.5SN BK TU | 1885980000 F.54 1870010000 F.56 | LSF-SMT 5.08/02/135 3.5SN BK RL LSF-SMT 5.08/02/135 3.5SN BK TU | 1888780000 F.67 1885020000 F.66 |
| LSF-SMT 3.50/06/90 1.55N BK TU | 1874810000 F.47 | LSF-SMT 3.81/03/90 3.55N BK TU | 1824630000 F.52 1888470000 F.55 | LSF-SMT 3.81/12/180 3.5SN BK TU | 1870010000 F.56 1825920000 F.56 | LSF-SMT 5.08/02/180 1.5SN BK RL | 1876500000 F.69 |
| LSF-SMT 3.50/06/90 3.5SN BK RL | 1875080000 F.47 | LSF-SMT 3.81/04/135 1.5SN BK TU | 1885430000 F.54 | LSF-SMT 3.81/12/90 1.5SN BK TU | 1869460000 F.52 | LSF-SMT 5.08/02/180 1.5SN BK TU | 1870210000 F.68 |
| LSF-SMT 3.50/06/90 3.5SN BK TU LSF-SMT 3.50/07/135 1.5SN BK RL | 1824460000 F.46 1887650000 F.49 | LSF-SMT 3.81/04/135 3.5SN BK RL LSF-SMT 3.81/04/135 3.5SN BK TU | 1888340000 F.55 1885900000 F.54 | LSF-SMT 3.81/12/90 3.5SN BK TU LSF-SMT 5.00/02/135 1.5SN BK RL | 1825300000 F.52 1888570000 F.61 | LSF-SMT 5.08/02/180 3.5SN BK RL LSF-SMT 5.08/02/180 3.5SN BK TU | 1876490000 F.69 1826040000 F.68 |
| LSF-SMT 3.50/07/135 1.5SN BK TU | 1885230000 F.48 | LSF-SMT 3.81/04/180 1.5SN BK RL | 1875340000 F.57 | LSF-SMT 5.00/02/135 1.5SN BK TU | 1884530000 F.60 | LSF-SMT 5.08/02/90 1.5SN BK RL | 1876480000 F.65 |
| LSF-SMT 3.50/07/135 3.5SN BK RL | 1887480000 F.49 | LSF-SMT 3.81/04/180 1.5SN BK TU | 1869910000 F.56 | LSF-SMT 5.00/02/135 3.5SN BK RL | 1888640000 F.61 | LSF-SMT 5.08/02/90 1.5SN BK TU | 1869670000 F.64 |
| LSF-SMT 3.50/07/135 3.5SN BK TU LSF-SMT 3.50/07/180 1.5SN BK RL | 1885700000 F.48 1874340000 F.51 | LSF-SMT 3.81/04/180 3.5SN BK RL LSF-SMT 3.81/04/180 3.5SN BK TU | 1875590000 F.57 1825810000 F.56 | LSF-SMT 5.00/02/135 3.5SN BK TU LSF-SMT 5.00/02/180 1.5SN BK RL | 1884340000 F.60 1876020000 F.63 | LSF-SMT 5.08/02/90 3.5SN BK RL LSF-SMT 5.08/02/90 3.5SN BK TU | 1876470000 F.65 1824810000 F.64 |
| LSF-SMT 3.50/07/180 1.5SN BK TU | 1870690000 F.50 | LSF-SMT 3.81/04/90 1.5SN BK RL | 1875240000 F.53 | LSF-SMT 5.00/02/180 1.5SN BK TU | 1870140000 F.62 | LSF-SMT 5.08/03/135 1.5SN BK RL | 1888720000 F.67 |
| LSF-SMT 3.50/07/180 3.5SN BK RL | 1874600000 F.51 | LSF-SMT 3.81/04/90 1.5SN BK TU | 1869380000 F.52 | LSF-SMT 5.00/02/180 3.5SN BK RL | 1876110000 F.63 | LSF-SMT 5.08/03/135 1.5SN BK TU | 1884740000 F.66 |
| LSF-SMT 3.50/07/180 3.5SN BK TU LSF-SMT 3.50/07/90 1.5SN BK RL | 1825690000 F.50 1874840000 F.47 | LSF-SMT 3.81/04/90 3.5SN BK RL LSF-SMT 3.81/04/90 3.5SN BK TU | 1875940000 F.53 1824640000 F.52 | LSF-SMT 5.00/02/180 3.5SN BK TU LSF-SMT 5.00/02/90 1.5SN BK RL | 1825960000 F.62 1876240000 F.59 | LSF-SMT 5.08/03/135 3.5SN BK RL LSF-SMT 5.08/03/135 3.5SN BK TU | 1888790000 F.67 1885030000 F.66 |
| LSF-SMT 3.50/07/90 1.5SN BK TU | 1871020000 F.46 | LSF-SMT 3.81/05/135 1.5SN BK RL | 1888480000 F.55 | LSF-SMT 5.00/02/90 1.5SN BK TU | 1869600000 F.58 | LSF-SMT 5.08/03/180 1.5SN BK RL | 1876460000 F.69 |
| LSF-SMT 3.50/07/90 3.5SN BK RL LSF-SMT 3.50/07/90 3.5SN BK TU | 1875100000 F.47 1824470000 F.46 | LSF-SMT 3.81/05/135 1.5SN BK TU LSF-SMT 3.81/05/135 3.5SN BK RL | 1885440000 F.54 1888380000 F.55 | LSF-SMT 5.00/02/90 3.5SN BK RL LSF-SMT 5.00/02/90 3.5SN BK TU | 1876430000 F.59 1824740000 F.58 | LSF-SMT 5.08/03/180 1.5SN BK TU LSF-SMT 5.08/03/180 3.5SN BK RL | 1870220000 F.68 1876450000 F.69 |
| LSF-SMT 3.50/08/135 1.5SN BK RL | 1887660000 F.49 | LSF-SMT 3.81/05/135 3.5SN BK TU | 1885910000 F.54 | LSF-SMT 5.00/03/135 1.5SN BK RL | 1888580000 F.61 | LSF-SMT 5.08/03/180 3.5SN BK TU | 1826060000 F.68 |
| LSF-SMT 3.50/08/135 1.5SN BK TU | 1885240000 F.48 | LSF-SMT 3.81/05/180 1.5SN BK RL | 1875350000 F.57 | LSF-SMT 5.00/03/135 1.5SN BK TU | 1884540000 F.60 | LSF-SMT 5.08/03/90 1.5SN BK RL | 1876440000 F.65 |
| LSF-SMT 3.50/08/135 3.5SN BK RL LSF-SMT 3.50/08/135 3.5SN BK TU | 1887490000 F.49 1885710000 F.48 | LSF-SMT 3.81/05/180 1.5SN BK TU LSF-SMT 3.81/05/180 3.5SN BK RL | 1869920000 F.56 1875650000 F.57 | LSF-SMT 5.00/03/135 3.5SN BK RL LSF-SMT 5.00/03/135 3.5SN BK TU | 1888650000 F.61 1884370000 F.60 | LSF-SMT 5.08/03/90 1.5SN BK TU LSF-SMT 5.08/03/90 3.5SN BK RL | 1869680000 F.64 1876420000 F.65 |
| LSF-SMT 3.50/08/180 1.5SN BK RL | 1874350000 F.51 | LSF-SMT 3.81/05/180 3.5SN BK TU | 1825820000 F.56 | LSF-SMT 5.00/03/180 1.5SN BK RL | 1876030000 F.63 | LSF-SMT 5.08/03/90 3.5SN BK TU | 1824820000 F.64 |
| LSF-SMT 3.50/08/180 1.5SN BK TU LSF-SMT 3.50/08/180 3.5SN BK RL | 1870700000 F.50 1874610000 F.51 | LSF-SMT 3.81/05/90 1.5SN BK RL LSF-SMT 3.81/05/90 1.5SN BK TU | 1875250000 F.53 1869390000 F.52 | LSF-SMT 5.00/03/180 1.5SN BK TU LSF-SMT 5.00/03/180 3.5SN BK RL | 1870150000 F.62 1876130000 F.63 | LSF-SMT 5.08/04/135 1.5SN BK RL LSF-SMT 5.08/04/135 1.5SN BK TU | 1888730000 F.67 1884750000 F.66 |
| LSF-SMT 3.50/08/180 3.5SN BK TU | 1825700000 F.50 | LSF-SMT 3.81/05/90 3.5SN BK RL | 1875950000 F.53 | LSF-SMT 5.00/03/180 3.5SN BK TU | 1825970000 F.62 | LSF-SMT 5.08/04/135 3.5SN BK RL | 1888810000 F.67 |
| LSF-SMT 3.50/08/90 1.5SN BK RL | 1874890000 F.47 | LSF-SMT 3.81/05/90 3.5SN BK TU | 1824650000 F.52 | LSF-SMT 5.00/03/90 1.5SN BK RL | 1876260000 F.59 | LSF-SMT 5.08/04/135 3.5SN BK TU | 1885040000 F.66 |
| LSF-SMT 3.50/08/90 1.5SN BK TU LSF-SMT 3.50/08/90 3.5SN BK RL | 1871030000 F.46 1875110000 F.47 | LSF-SMT 3.81/06/135 1.5SN BK RL LSF-SMT 3.81/06/135 1.5SN BK TU | 1888490000 F.55 1885450000 F.54 | LSF-SMT 5.00/03/90 1.5SN BK TU LSF-SMT 5.00/03/90 3.5SN BK RL | 1869610000 F.58 1876510000 F.59 | LSF-SMT 5.08/04/180 1.5SN BK RL LSF-SMT 5.08/04/180 1.5SN BK TU | 1876410000 F.69 1870230000 F.68 |
| LSF-SMT 3.50/08/90 3.5SN BK TU | 1824480000 F.46 | LSF-SMT 3.81/06/135 3.5SN BK RL | 1888390000 F.55 | LSF-SMT 5.00/03/90 3.5SN BK TU | 1824750000 F.58 | LSF-SMT 5.08/04/180 3.5SN BK RL | 1876360000 F.69 |
| LSF-SMT 3.50/09/135 1.5SN BK RL LSF-SMT 3.50/09/135 1.5SN BK TU | 1887670000 F.49 1885250000 F.48 | LSF-SMT 3.81/06/135 3.5SN BK TU LSF-SMT 3.81/06/180 1.5SN BK RL | 1885920000 F.54 1875360000 F.57 | LSF-SMT 5.00/04/135 1.5SN BK RL LSF-SMT 5.00/04/135 1.5SN BK TU | 1888590000 F.61 1884550000 F.60 | LSF-SMT 5.08/04/180 3.5SN BK TU LSF-SMT 5.08/04/90 1.5SN BK RL | 1826070000 F.68 1878520000 F.65 |
| LSF-SMT 3.50/09/135 3.5SN BK RL | 1887500000 F.49 | LSF-SMT 3.81/06/180 1.5SN BK TU | 1869930000 F.56 | LSF-SMT 5.00/04/135 3.5SN BK RL | 1888660000 F.61 | LSF-SMT 5.08/04/90 1.5SN BK TU | 1869690000 F.64 |
| LSF-SMT 3.50/09/135 3.5SN BK TU | 1885720000 F.48 | LSF-SMT 3.81/06/180 3.5SN BK RL | 1875670000 F.57 | LSF-SMT 5.00/04/135 3.5SN BK TU | 1884380000 F.60 | LSF-SMT 5.08/04/90 3.5SN BK RL | 1876310000 F.65 |
| LSF-SMT 3.50/09/180 1.5SN BK RL LSF-SMT 3.50/09/180 1.5SN BK TU | 1874370000 F.51 | LSF-SMT 3.81/06/180 3.5SN BK TU LSF-SMT 3.81/06/90 1.5SN BK BL | 1825830000 F.56 1875260000 F.53 | LSF-SMT 5.00/04/180 1.5SN BK RL LSF-SMT 5.00/04/180 1.5SN BK TU | 1876050000 F.63 | LSF-SMT 5.08/04/90 3.5SN BK TU LSF-SMT 5.08/05/135 1.5SN BK RL | 1824830000 F.64 1888740000 F.67 |
| LSF-SMT 3.50/09/180 3.5SN BK RL | 1874620000 F.51 | LSF-SMT 3.81/06/90 1.5SN BK TU | 1869400000 F.52 | LSF-SMT 5.00/04/180 3.5SN BK RL | 1876140000 F.63 | LSF-SMT 5.08/05/135 1.5SN BK TU | 1884760000 F.66 |
| LSF-SMT 3.50/09/180 3.5SN BK TU LSF-SMT 3.50/09/90 1.5SN BK RL | 1825710000 F.50 1874900000 F.47 | LSF-SMT 3.81/06/90 3.5SN BK RL LSF-SMT 3.81/06/90 3.5SN BK TU | 1875960000 F.53 1824660000 F.52 | LSF-SMT 5.00/04/180 3.5SN BK TU LSF-SMT 5.00/04/90 1.5SN BK RL | 1825980000 F.62 1876270000 F.59 | LSF-SMT 5.08/05/135 3.5SN BK RL LSF-SMT 5.08/05/135 3.5SN BK TU | 1888830000 F.67 1885050000 F.66 |
| LSF-SMT 3.50/09/90 1.5SN BK TU | 1871040000 F.46 | LSF-SMT 3.81/07/135 1.5SN BK RL | 1888500000 F.55 | LSF-SMT 5.00/04/90 1.5SN BK TU | 1869620000 F.58 | LSF-SMT 5.08/05/180 1.5SN BK RL | 1876290000 F.69 |
| LSF-SMT 3.50/09/90 3.5SN BK RL | 1875120000 F.47 | LSF-SMT 3.81/07/135 1.5SN BK TU | 1885460000 F.54 | LSF-SMT 5.00/04/90 3.5SN BK RL | 1876530000 F.59 | LSF-SMT 5.08/05/180 1.5SN BK TU | 1870240000 F.68 |
| LSF-SMT 3.50/09/90 3.5SN BK TU LSF-SMT 3.50/10/135 1.5SN BK RL | 1824490000 F.46 1887680000 F.49 | LSF-SMT 3.81/07/135 3.5SN BK RL LSF-SMT 3.81/07/135 3.5SN BK TU | 1888400000 F.55 1885930000 F.54 | LSF-SMT 5.00/04/90 3.5SN BK TU LSF-SMT 5.00/05/135 1.5SN BK RL | 1824760000 F.58 1888600000 F.61 | LSF-SMT 5.08/05/180 3.5SN BK RL LSF-SMT 5.08/05/180 3.5SN BK TU | 1876250000 F.69 1826080000 F.68 |
| LSF-SMT 3.50/10/135 1.5SN BK TU | 1885260000 F.48 | LSF-SMT 3.81/07/180 1.5SN BK RL | 1875370000 F.57 | LSF-SMT 5.00/05/135 1.5SN BK TU | 1884560000 F.60 | LSF-SMT 5.08/05/90 1.5SN BK RL | 1876210000 F.65 |
| LSF-SMT 3.50/10/135 3.5SN BK RL LSF-SMT 3.50/10/135 3.5SN BK TU | 1887510000 F.49 1885730000 F.48 | LSF-SMT 3.81/07/180 1.5SN BK TU LSF-SMT 3.81/07/180 3.5SN BK RL | 1869940000 F.56 1875680000 F.57 | LSF-SMT 5.00/05/135 3.5SN BK RL LSF-SMT 5.00/05/135 3.5SN BK TU | 1888670000 F.61 1884390000 F.60 | LSF-SMT 5.08/05/90 1.5SN BK TU LSF-SMT 5.08/05/90 3.5SN BK RL | 1869700000 F.64 1876190000 F.65 |
| LSF-SMT 3.50/10/180 1.5SN BK RL | 1874380000 F.51 | LSF-SMT 3.81/07/180 3.5SN BK TU | 1825840000 F.56 | LSF-SMT 5.00/05/180 1.5SN BK RL | 1876060000 F.63 | LSF-SMT 5.08/05/90 3.5SN BK TU | 1824840000 F.64 |
| LSF-SMT 3.50/10/180 1.5SN BK TU | 1870720000 F.50 | LSF-SMT 3.81/07/90 1.5SN BK RL | 1875270000 F.53 | LSF-SMT 5.00/05/180 1.5SN BK TU | 1870170000 F.62 | LSF-SMT 5.08/06/135 1.5SN BK RL | 1888750000 F.67 |
| LSF-SMT 3.50/10/180 3.5SN BK RL LSF-SMT 3.50/10/180 3.5SN BK TU | 1874640000 F.51 1825720000 F.50 | LSF-SMT 3.81/07/90 1.5SN BK TU LSF-SMT 3.81/07/90 3.5SN BK RL | 1869410000 F.52 1875970000 F.53 | LSF-SMT 5.00/05/180 3.5SN BK RL LSF-SMT 5.00/05/180 3.5SN BK TU | 1876160000 F.63 1825990000 F.62 | LSF-SMT 5.08/06/135 1.5SN BK TU LSF-SMT 5.08/06/135 3.5SN BK RL | 1884770000 F.66 1888840000 F.67 |
| LSF-SMT 3.50/10/90 1.5SN BK RL | 1874930000 F.47 | LSF-SMT 3.81/07/90 3.5SN BK TU | 1824690000 F.52 | LSF-SMT 5.00/05/90 1.5SN BK RL | 1876280000 F.59 | LSF-SMT 5.08/06/135 3.5SN BK TU | 1885060000 F.66 |
| LSF-SMT 3.50/10/90 1.5SN BK TU LSF-SMT 3.50/10/90 3.5SN BK RL | 1871050000 F.46 1875130000 F.47 | LSF-SMT 3.81/08/135 1.5SN BK RL LSF-SMT 3.81/08/135 1.5SN BK TU | 1888510000 F.55 1885470000 F.54 | LSF-SMT 5.00/05/90 1.5SN BK TU LSF-SMT 5.00/05/90 3.5SN BK RL | 1869630000 F.58 1876550000 F.59 | LSF-SMT 5.08/06/180 1.5SN BK RL LSF-SMT 5.08/06/180 1.5SN BK TU | 1876180000 F.69 1870250000 F.68 |
| LSF-SMT 3.50/10/90 3.5SN BK TU | 1824500000 F.46 | LSF-SMT 3.81/08/135 3.5SN BK RL | 1888410000 F.55 | LSF-SMT 5.00/05/90 3.5SN BK TU | 1824770000 F.58 | LSF-SMT 5.08/06/180 3.5SN BK RL | 1876170000 F.69 |
| LSF-SMT 3.50/11/135 1.5SN BK RL | 1887690000 F.49 | LSF-SMT 3.81/08/135 3.5SN BK TU | 1885940000 F.54 | LSF-SMT 5.00/06/135 1.5SN BK RL | 1888610000 F.61 | LSF-SMT 5.08/06/180 3.5SN BK TU | 1826100000 F.68 |
| LSF-SMT 3.50/11/135 1.5SN BK TU LSF-SMT 3.50/11/135 3.5SN BK RL | 1885270000 F.48 1887520000 F.49 | LSF-SMT 3.81/08/180 1.5SN BK RL LSF-SMT 3.81/08/180 1.5SN BK TU | 1875380000 F.57 1869950000 F.56 | LSF-SMT 5.00/06/135 1.5SN BK TU LSF-SMT 5.00/06/135 3.5SN BK RL | 1884570000 F.60 1888680000 F.61 | LSF-SMT 5.08/06/90 1.5SN BK RL LSF-SMT 5.08/06/90 1.5SN BK TU | 1876150000 F.65 1869710000 F.64 |
| LSF-SMT 3.50/11/135 3.5SN BK TU | 1885740000 F.48 | LSF-SMT 3.81/08/180 3.5SN BK RL | 1875710000 F.57 | LSF-SMT 5.00/06/135 3.5SN BK TU | 1884400000 F.60 | LSF-SMT 5.08/06/90 3.5SN BK RL | 1876120000 F.65 |
| LSF-SMT 3.50/11/180 1.5SN BK RL | 1874400000 F.51 | LSF-SMT 3.81/08/180 3.5SN BK TU | 1825850000 F.56 | LSF-SMT 5.00/06/180 1.5SN BK RL | 1876070000 F.63 | LSF-SMT 5.08/06/90 3.5SN BK TU | 1824850000 F.64 |
| LSF-SMT 3.50/11/180 1.5SN BK TU LSF-SMT 3.50/11/180 3.5SN BK RL | 1870730000 F.50 1874660000 F.51 | LSF-SMT 3.81/08/90 1.5SN BK RL LSF-SMT 3.81/08/90 1.5SN BK TU | 1875280000 F.53 1869420000 F.52 | LSF-SMT 5.00/06/180 1.5SN BK TU LSF-SMT 5.00/06/180 3.5SN BK RL | 1870180000 F.62 1876200000 F.63 | LSF-SMT 5.08/07/135 1.5SN BK RL LSF-SMT 5.08/07/135 1.5SN BK TU | 1888760000 F.67 1884780000 F.66 |
| LSF-SMT 3.50/11/180 3.5SN BK TU | 1825730000 F.50 | LSF-SMT 3.81/08/90 3.5SN BK RL | 1875980000 F.53 | LSF-SMT 5.00/06/180 3.5SN BK TU | 1826000000 F.62 | LSF-SMT 5.08/07/135 3.5SN BK RL | 1888870000 F.67 |
| LSF-SMT 3.50/11/90 1.5SN BK RL LSF-SMT 3.50/11/90 1.5SN BK TU | 1874940000 F.47 1871060000 F.46 | LSF-SMT 3.81/08/90 3.5SN BK TU LSF-SMT 3.81/09/135 1.5SN BK RL | 1824700000 F.52 1888520000 F.55 | LSF-SMT 5.00/06/90 1.5SN BK RL LSF-SMT 5.00/06/90 1.5SN BK TU | 1876300000 F.59 1869640000 F.58 | LSF-SMT 5.08/07/135 3.5SN BK TU LSF-SMT 5.08/07/180 1.5SN BK RL | 1885070000 F.66 1876100000 F.69 |
| LSF-SMT 3.50/11/90 3.5SN BK RL | 1875140000 F.47 | LSF-SMT 3.81/09/135 1.5SN BK TU | 1885480000 F.54 | LSF-SMT 5.00/06/90 3.5SN BK RL | 1876560000 F.59 | LSF-SMT 5.08/07/180 1.5SN BK TU | 1870260000 F.68 |
| LSF-SMT 3.50/11/90 3.5SN BK TU | 1824510000 F.46 | LSF-SMT 3.81/09/135 3.5SN BK RL | 1888420000 F.55 | LSF-SMT 5.00/06/90 3.5SN BK TU | 1824780000 F.58 | LSF-SMT 5.08/07/180 3.5SN BK RL | 1875750000 F.69 |
| LSF-SMT 3.50/12/135 1.5SN BK RL LSF-SMT 3.50/12/135 1.5SN BK TU | 1887700000 F.49 1885280000 F.48 | LSF-SMT 3.81/09/135 3.5SN BK TU LSF-SMT 3.81/09/180 1.5SN BK RL | 1885950000 F.54 1875390000 F.57 | LSF-SMT 5.00/07/135 1.5SN BK RL LSF-SMT 5.00/07/135 1.5SN BK TU | 1888620000 F.61 1884580000 F.60 | LSF-SMT 5.08/07/180 3.5SN BK TU LSF-SMT 5.08/07/90 1.5SN BK RL | 1826110000 F.68 1875720000 F.65 |
| LSF-SMT 3.50/12/135 3.5SN BK RL | 1887530000 F.49 | LSF-SMT 3.81/09/180 1.5SN BK TU | 1869960000 F.56 | LSF-SMT 5.00/07/135 3.5SN BK RL | 1888690000 F.61 | LSF-SMT 5.08/07/90 1.5SN BK TU | 1869720000 F.64 |
| LSF-SMT 3.50/12/135 3.5SN BK TU | 1885750000 F.48 | LSF-SMT 3.81/09/180 3.5SN BK RL | 1875730000 F.57 | LSF-SMT 5.00/07/135 3.5SN BK TU | 1884410000 F.60 | LSF-SMT 5.08/07/90 3.5SN BK RL | 1875690000 F.65 |
| LSF-SMT 3.50/12/180 1.5SN BK RL LSF-SMT 3.50/12/180 1.5SN BK TU | 1874420000 F.51 1870740000 F.50 | LSF-SMT 3.81/09/180 3.5SN BK TU LSF-SMT 3.81/09/90 1.5SN BK RL | 1825870000 F.56 1875290000 F.53 | LSF-SMT 5.00/07/180 1.5SN BK RL LSF-SMT 5.00/07/180 1.5SN BK TU | 1876080000 F.63 1870190000 F.62 | LSF-SMT 5.08/07/90 3.5SN BK TU LSF-SMT 5.08/08/135 1.5SN BK RL | 1824860000 F.64 1888770000 F.67 |
| LSF-SMT 3.50/12/180 3.5SN BK RL | 1874680000 F.51 | LSF-SMT 3.81/09/90 1.5SN BK TU | 1869430000 F.52 | LSF-SMT 5.00/07/180 3.5SN BK RL | 1876220000 F.63 | LSF-SMT 5.08/08/135 1.5SN BK TU | 1884790000 F.66 |
| LSF-SMT 3.50/12/180 3.5SN BK TU | 1825740000 F.50 | LSF-SMT 3.81/09/90 3.5SN BK RL | 1875990000 F.53 | LSF-SMT 5.00/07/180 3.5SN BK TU | 1826010000 F.62 | LSF-SMT 5.08/08/135 3.5SN BK RL | 1888880000 F.67 |
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| Control Cont | LSF-SMT 5.08/08/135 3.5SN BK TU | 1885080000 F.66 | LSF-SMT 7.62/02/90 3.5SN BK RL | 1874670000 F.77 | LUF 15.00/04/90V 5.0SN BK BX | 2492020000 N.39 | LXXX 15.00/04/90 4.5SN BK BX | 1047150000 N.24 |
| Security Company Com | | | | | | | | 1047310000 N.25 |
| Control Cont | | | | | | | | 1047470000 N.25 1047630000 N.25 |
| Performance | LSF-SMT 5.08/08/180 3.5SN BK TU | 1826120000 F.68 | LSF-SMT 7.62/03/135 3.5SN BK RL | 1887170000 F.79 | LUF 15.00/06/90V 5.0SN BK BX | 2492040000 N.39 | LXXX 15.00/05/90 4.5SN BK BX | 1386250000 N.24 |
| Description | | | | | | | | 1386290000 N.25 |
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| SEARCH S | LSF-SMT 7.50/02/90 1.5SN BK TU | | - | 1887140000 F.79 | LUFS 10.00/09/90V 5.0SN BK BX | 2500520000 N.35 | IVI | |
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| SEAST SEAS | | | | | | | | 8000072425 B.11 |
| Security (1960-1961) | LSF-SMT 7.50/03/135 1.5SN BK TU | 1884890000 F.72 | LSF-SMT 7.62/05/180 1.5SN BK RL | 1874450000 F.81 | LUFS 10.00/11/90V 5.0SN BK BX | 2500540000 N.35 | MHS 5/02 W T3 B T | 8000072497 B.12 |
| SS-MIT_PROM_MINE_SSMERTU | | | | | | | | 2741520000 B.22 2741420000 B.10 |
| SE-SHIFT SEQUENCES SERVER 1875-00000 F73 SE-SHIFT ZEG-SHIPS SERVER 1874-180000 F77 SE-SHIFT ZEG-SHIPS SE | | | | | | | | 8000072430 B.11 |
| SS-SMT_5000A790_SSR RR 197640000 F7 15-5MT_200A790_SSR RR 197440000 F7 15-5MT_200A790_SSR RR 197450000 F7 15-5MT_200A790_SSR RR 19750000 F7 15-5MT_200A790_SSR RR 197500000 F7 15-5MT_200A790_SSR RR 19750000 F7 15-5MT_200A790_SSR RR 197500000 F7 15-5MT_200A790_SSR RR 1975000000 F7 15-5MT_200A790_SSR RR 1 | | | | | | | | 8000072503 B.12 |
| SE-SMT_5000_0401_SSS_RETU | | | | | | | | 2741530000 B.22 2741430000 B.10 |
| SS-SMT 7500QA90 255 NR PT. 187540000 772 SS-SMT 720QA915 55 NR PT. 187540000 772 US-SMT 750QA915 55 NR PT. 188540000 773 US-SMT 750QA915 55 NR PT. 189540000 773 US-SMT 750QA915 55 | LSF-SMT 7.50/03/90 1.5SN BK RL | 1875440000 F.71 | | 1824980000 F.76 | | 2492230000 N.41 | MHS 5/04 V T3 B T | 8000072431 B.11 |
| Separt Psychological Schwilder No. 124-8480000 F73 Separt Psychological Schwilder No. 1 | | | | | | | | |
| SF-SMT-7500/W-15 SSNIR RT 1848400000 F72 | | | | | | | | 2741440000 B.22 2741440000 B.10 |
| SF-MIT-T500-V1951 SS-MR RN 188900000 F72 SF-MIT-T260-V1961 SS-MR RN 187500000 F73 SF-MIT-T260-V1961 SS-MR RN 1875000000 F73 SF-MIT-T260-V | | | | | | | | 8000072435 B.11 |
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| SF-MT F300/4780 SSNB KT 182510000 F74 SSNM F300 SSNB KR 187290000 F76 SSNM F300 SSNB KR | | | | | | | | 2741460000 B.10 |
| SF-MIT 75:00/400 SSNB KR II 1886/20000 F70 SF-MIT 75:207/1915 SSNB KT II 1886/200000 F70 SF-MIT 75:207/1916 SSNB KT II 1886/200000 F70 SF-MIT 75:207/1916 SSNB KT II 1886/200000 F70 SF-MIT 75:207/1916 SSNB KT II 1886/20000 F70 SF-MIT 75:207/1916 SSNB KT | | | | | | | | 8000072450 B.11 |
| SF-MT7 S-00/400 S-SSN BK RL 1876/00000 F.71 SF-MT7 S-27/07/190 S-SSN BK TU 1880/20000 F.70 SF-MT7 S-27/07/190 S-SSN BK TU 1880/20000 F.70 SF-MT7 S-27/07/190 S-SSN BK TU 1820/20000 F.80 LIP ILIN T-36/05/195 I-SSN BK TU 1880/20000 F.70 SF-MT7 S-27/07/190 S-SSN BK TU 1820/20000 F.80 LIP ILIN T-36/05/195 I-SSN BK TU 1880/20000 F.70 LIP ILIN T-36/05/195 I-SSN BK TU 1880/200 | | | | | | | | 8000072510 B.12 2741470000 B.10 |
| SF-SMT 75.00F,7135 15.5M BK RL 188940000 F.72 SF-SMT 75.00F,7135 15.5M BK TU 182500000 F.75 UP 10.60F,715 15.5M BK TU 18250000 F.75 UP 10.60F,715 15.5M BK TU 182500000 F.75 UP 10.60F,715 15.5M BK TU 182500000 F.75 UP 10.60F,715 15.5M BK TU | | | | | | | | 8000072453 B.11 |
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| ISP-SMT.750/05/180 1.SSN BK.TU | | | | | | | | |
| ISF-SMT 7.50/05/80 1.SSN BK TU | | | | | | | | 8000072456 B.11 |
| ISF-SMT 7.50/05/90 1.5SN BK RL | | | | | | | | 2741500000 B.10 |
| LSF-SMT 75:0/05/90 1.SSN BK TU 188970000 F.70 LU 10.16/02/90 4.SSN BK BX 1934140000 N.18 LUP 10.16/09/90 5.SSN BK BX 2013920000 N.20 MHS 5/12 HT3 B T 2741510000 B LSF-SMT 75:0/05/90 3.SSN BK RL 1874960000 F.71 LU 10.16/03/90 4.SSN BK BX 122620000 N.18 LUP 12.70/02/90 5.SSN BK BX 2014360000 N.21 MHS 5/12 YT3 B T 8000072470 B LSF-SMT 75:0/06/135 1.SSN BK RL 188950000 F.73 LU 10.16/05/90 4.SSN BK BX 1226220000 N.18 LUP 12.70/05/90 5.SSN BK BX 2014360000 N.21 MHS 5/12 YT3 B T 8000072815 B LSF-SMT 75:0/06/135 1.SSN BK RL 188950000 F.73 LU 10.16/05/90 4.SSN BK BX 1226220000 N.18 LUP 12.70/05/90 5.SSN BK BX 2014400000 N.21 MHS 5/12 YT3 B T 8000078304 B LSF-SMT 75:0/06/135 1.SSN BK RL 188950000 F.72 LU 10.16/05/90 4.SSN BK BX 1226250000 N.18 LUP 12.70/05/90 5.SSN BK BX 2014400000 N.21 MHS 75/02 YT3 B T 8000078304 B LSF-SMT 75:0/06/136 1.SSN BK RL 187950000 F.72 LU 10.16/05/90 4.SSN BK BX 1226250000 N.18 LUP 12.70/05/90 5.SSN BK BX 2014400000 N.21 MHS 75/02 YT3 B T 8000078304 B LSF-SMT 75:0/06/136 1.SSN BK RL 187950000 F.72 LU 10.16/05/90 4.SSN BK BX 1226250000 N.18 LUP 12.70/05/90 5.SSN BK BX 2014400000 N.21 MHS 75/02 YT3 B T 8000078304 B LSF-SMT 75:0/06/136 1.SSN BK RL 1874950000 F.75 LU 10.16/05/90 4.SSN BK BX 1226250000 N.18 LUP 12.70/05/90 5.SSN BK BX 2014450000 N.21 MHS 75/02 VT3 B T 8000078334 B LSF-SMT 75:0/06/180 1.SSN BK RL 1874950000 F.75 LU 10.00/02/90 5.SSN BK BX 1226260000 N.18 LUP 12.70/05/90 5.SSN BK BX 2014450000 N.21 MHS 75/02-5/03 HT3 B T 8000078335 B LSF-SMT 75:0/06/90 1.SSN BK RL 1874950000 F.70 LUF 10.00/02/90 5.SSN BK BX 122680000 N.22 MHS 75/02-5/03 HT3 B T 8000078336 B LSF-SMT 75:0/06/90 3.SSN BK RL 1874950000 F.70 LUF 10.00/02/90 5.SSN BK BX 1988650000 N.32 LX 15:00/03/90 4.SSN BK BX 1226640000 N.22 MHS 75/03-5/03 HT3 B T 8000078336 B LSF-SMT 75:00/07/90 3.SSN BK RU 1824950000 F.70 LUF 10.00/02/90 5.SSN BK BX 1988650000 N.32 LX 15:00/03/90 4.SSN BK BX 1226640000 N.22 MHS 75/03-5/03 HT3 B T 8000078336 B LSF-SMT 75:00/07/90 3.SSN BK RU 1824950000 F.70 LUF 10.00/03/90 5.SSN BK BX 198865000 N.32 LX | | | | | | | | |
| LSF-SMT7.50/06/193 LSSN BKTU 182491000 F.70 LISF-SMT7.50/06/193 LSSN BKTU 1889950000 F.73 LSF-SMT7.50/06/193 LSSN BKTU 188903000 F.73 LSF-SMT7.50/06/193 LSSN BKTU 188903000 F.73 LSF-SMT7.50/06/193 LSSN BKTU 188903000 F.73 LSF-SMT7.50/06/193 LSSN BKTU 1889150000 F.73 LSF-SMT7.50/06/193 LSSN BKTU 1889150000 F.74 LSF-SMT7.50/06/193 LSSN BKTU 1889150000 F.74 LSF-SMT7.50/06/193 LSSN BKTU 188903000 F.74 LSF-SMT7.50/07/193 LSSN BKTU 182493000 F.74 LISF-SMT7.50/07/193 LSSN BKTU 182493000 F.74 LISF-SMT7.50/07/193 LSSN BKTU 182493000 F.74 LISF-SMT7.50/07/193 LSSN BKTU 182493000 F.74 LISP-SMT7.50/07/193 LSSN BKTU 182493000 F.74 LISP-SMT7.50/07/193 LSSN BKTU 182493000 F.74 LISP-SMT7.5 | | | LU 10.16/02/90 4.5SN BK BX | | | | | 2741510000 B.10 |
| LSF-SMT7.50/06/135 1.5SN BK RL 188950000 F.72 LISF-SMT7.50/06/135 1.5SN BK RL 188950000 F.72 LISF-SMT7.50/06/135 3.5SN BK RL 189050000 F.72 LISF-SMT7.50/06/135 3.5SN BK RL 189050000 F.72 LISF-SMT7.50/06/136 3.5SN BK RL 189050000 F.72 LISF-SMT7.50/06/180 1.5SN BK RL 1874950000 F.74 LISF-SMT7.50/06/180 3.5SN BK RL 1874950000 F.75 LISF-SMT7.50/06/180 3.5SN BK RL 1874950000 F.75 LISF-SMT7.50/06/180 3.5SN BK RL 1874950000 F.75 LISF-SMT7.50/06/190 5.SN BK RL 1874950000 F.75 LISF-SMT7.50/06/190 5.SN BK RL 1874950000 F.75 LISF-SMT7.50/06/90 5.SN BK RL 1874950000 F.71 LISF-SMT7.50/06/90 5.SN BK RL 1874950000 F.72 LISF | | | | | | | | 8000072470 B.11 |
| LSF-SMT7.50/06/190 5.SSN BK RL 188903000 F.73 LU 10.16/07/90 4.5SN BK BX 1226250000 N.18 LUP 12.70/06/90 5.SSN BK BX 201450000 N.21 MHS 75/02 V T3 BT 8000078314 B LUP 12.70/06/190 5.SSN BK BX 201450000 N.21 LUP 12.70/06/90 5.SSN BK BX 201450000 N.22 LUF 12.70/06/90 5.SSN BK BX 2 | | | | | | | | 1925740000 S.44 |
| LSF-SMT7.50/06/190 1.5SN BK RL 1874950000 F.75 | | | | | | | | 8000078306 B.15 |
| LSF-SMT7.50/06/180 1.5SN BK RL 187495000 F.75 LU 10.16/09/94 4.5SN BK BX 1226270000 N.18 LUP 12.70/08/98 0.5SN BK BX 2014760000 N.21 MHS 75/02-5/02 H T3 B T 8000078335 B LSF-SMT7.50/06/180 3.5SN BK RL 1874920000 F.74 LUF 10.06/09/94 5.SN BK BX 198860000 N.32 LX 15.00/07/94 4.5SN BK BX 1226470000 N.22 MHS 75/03-5/04 H T3 B T 8000078315 B LSF-SMT7.50/06/98 0.5SN BK RL 1874910000 F.71 LUF 10.00/02/99 5.SN BK BX 198860000 N.32 LX 15.00/03/94 4.5SN BK BX 1226470000 N.22 MHS 75/03-6/04 H T3 B T 8000078315 B LSF-SMT7.50/06/99 0.3SN BK RL 1874980000 F.71 LUF 10.00/03/99 0.5SN BK BX 198860000 N.32 LX 15.00/03/94 4.5SN BK BX 1226470000 N.22 MHS 75/03-6/04 H T3 B T 8000078315 B LSF-SMT7.50/06/99 0.3SN BK RL 1874880000 F.71 LUF 10.00/03/99 0.5SN BK BX 198860000 N.32 LX 15.00/04/94 4.5SN BK BX 1226490000 N.22 MHS 75/03-6/04 H T3 B T 8000078315 B LSF-SMT7.50/06/99 0.3SN BK RL 1874880000 F.71 LUF 10.00/03/99 0.5SN BK BX 198860000 N.32 LX 15.00/04/94 4.5SN BK BX 1226490000 N.22 MHS 75/03-6/02 H T3 B T 8000078315 B LSF-SMT7.50/06/99 0.3SN BK RL 1874880000 F.71 LUF 10.00/03/99 0.5SN BK BX 198860000 N.32 LX 15.00/04/94 4.5SN BK BX 1226490000 N.22 MHS 75/03-6/02 H T3 B T 8000078316 B LSF-SMT7.50/06/99 0.3SN BK RL 1884930000 F.72 LUF 10.00/03/99 0.5SN BK BX 198860000 N.32 LX 15.00/06/94 4.5SN BK BX 122650000 N.22 MHS 75/03-6/02 H T3 B T 8000078316 B LSF-SMT7.50/07/180 1.5SN BK TU 1884930000 F.72 LUF 10.00/05/99 0.5SN BK BX 2453700000 N.33 LX 15.00/07/94 4.5SN BK BX 122650000 N.22 MHS 75/03-6/02 H T3 B T 8000078326 B LSF-SMT7.50/07/180 1.5SN BK TU 1889180000 F.72 LUF 10.00/05/99 0.5SN BK BX 2453700000 N.33 LX 15.00/07/94 0.5SN BK BX 122650000 N.22 MHS 75/03-6/04 H T3 B T 8000078326 B LSF-SMT7.50/07/180 1.5SN BK TU 1889180000 F.72 LUF 10.00/06/99 0.5SN BK BX 2453700000 N.33 LX 15.00/07/94 0.5SN BK BX 122650000 N.22 MHS 75/03-6/04 H T3 B T 8000078326 B LSF-SMT7.50/07/180 1.5SN BK T | | | | | | | | |
| LSF-SMT7.50/06/180 3.5SN BK RL 187492000 F.75 LUF 10.00/01/90 5.0SN BK BX 1988590000 N.32 LX 15.00/01/90 4.5SN BK BX 1226470000 N.22 MHS 7S/02-5/04 H T3 B T 8000078304 B E | LSF-SMT 7.50/06/180 1.5SN BK RL | 1874950000 F.75 | LU 10.16/09/90 4.5SN BK BX | 1226270000 N.18 | LUP 12.70/08/90 5.0SN BK BX | 2014760000 N.21 | MHS 7S/02-5/02 H T3 B T | 8000078335 B.20 |
| LSF-SMT7.50/06/90 1.SSN BK TU 1826170000 F.71 LUF 10.00/02/90 5.0SN BK BX 198600000 N.32 LX 15.00/02/90 4.5SN BK BX 1226470000 N.22 MHS 7S/03 HT3 BT 8000078308 B LSF-SMT7.50/06/90 1.SSN BK RL 1874810000 F.71 LUF 10.00/03/90 5.0SN BK BX 1988610000 N.32 LX 15.00/03/90 4.5SN BK BX 1226480000 N.22 MHS 7S/03 WT3 BT 8000078312 B LSF-SMT7.50/06/90 3.SSN BK RL 1874880000 F.71 LUF 10.00/03/90 5.0SN BK BX 1988610000 N.32 LX 15.00/04/90 4.5SN BK BX 1226490000 N.22 MHS 7S/03 WT3 BT 8000078312 B LSF-SMT7.50/06/90 3.SSN BK TU 1824920000 F.70 LUF 10.00/03/90 5.0SN BK BX 1988620000 N.32 LX 15.00/06/90 4.5SN BK BX 1226500000 N.22 MHS 7S/03-5/02 D11 HT3 BT 8000078316 B LSF-SMT7.50/07/185 1.5SN BK TU 1884930000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453710000 N.33 LX 15.00/06/90 4.5SN BK BX 1226500000 N.22 MHS 7S/03-5/02 D11 HT3 BT 8000078316 B LSF-SMT7.50/07/180 1.5SN BK TU 1880160000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453710000 N.33 LX 15.00/07/90 4.5SN BK BX 122650000 N.22 MHS 7S/03-5/03 HT3 BT 8000078316 B LSF-SMT7.50/07/180 1.5SN BK TU 1820160000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453710000 N.33 LX 15.00/07/90 4.5SN BK BX 122650000 N.22 MHS 7S/03-5/03 HT3 BT 8000078316 B LSF-SMT7.50/07/180 1.5SN BK TU 1820160000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453710000 N.33 LX 15.00/07/90 4.5SN BK BX 122650000 N.22 MHS 7S/03-5/04 HT3 BT 8000078316 B LSF-SMT7.50/07/180 1.5SN BK TU 1820160000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453720000 N.33 LX 15.00/07/90 4.5SN BK BX 122650000 N.22 MHS 7S/03-5/04 HT3 BT 8000078316 B LSF-SMT7.50/07/90 1.5SN BK TU 1820160000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453720000 N.33 LX 15.00/07/90 4.5SN BK BX 122650000 N.23 MHS 7S/04 HT3 BT 8000078318 B LSF-SMT7.50/07/90 1.5SN BK TU 1820160000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453720000 N.33 LX 15.00/07/90 4.5SN BK BX 122650000 N.23 MHS 7S/04 HT3 BT 8000078318 B LSF-SMT7.50/07/90 1.5SN BK TU 1820160 | | | | | | | | 8000078338 B.20 |
| LSF-SMT7.50/06/90 1.5SN BK RL | | | | | | | | 8000078341 B.20 8000078308 B.15 |
| LSF-SMT7.50/06/90 3.5SN BK RL 1874880000 F.71 LUF 10.00/03/90V 5.0SN BK BX 2453700000 N.32 LX 15.00/05/90 4.5SN BK BX 1226490000 N.22 MHS 7S/03-5/02 D11 H73 B T 8000078336 B LXF-SMT7.50/07/135 1.5SN BK TU 1884930000 F.72 LUF 10.00/04/90 5.0SN BK BX 2453700000 N.32 LX 15.00/06/90 4.5SN BK BX 1226550000 N.22 MHS 7S/03-5/02 H73 B T 8000078336 B LXF-SMT7.50/07/135 1.5SN BK TU 1886180000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453700000 N.32 LX 15.00/07/90 4.5SN BK BX 1226550000 N.22 MHS 7S/03-5/02 H73 B T 8000078336 B LXF-SMT7.50/07/180 3.5SN BK TU 187033000 F.72 LUF 10.00/05/90 5.0SN BK BX 2453720000 N.32 LXF-SMT7.50/07/180 3.5SN BK TU 1826180000 F.74 LUF 10.00/05/90 5.0SN BK BX 2453720000 N.32 LXF-SMT7.50/07/90 1.5SN BK TU 186979000 F.70 LUF 10.00/06/90 5.0SN BK BX 2453730000 N.32 LXF-SMT7.50/07/90 5.SN BK BX 1226550000 N.22 MHS 7S/03-5/04 H73 B T 8000078342 B LXF-SMT7.50/07/90 1.5SN BK TU 186979000 F.70 LUF 10.00/06/90 5.0SN BK BX 2453730000 N.32 LXF-SMT7.50/07/90 4.5SN BK BX 1226550000 N.23 MHS 7S/03-5/04 H73 B T 8000078342 B LXF-SMT7.50/07/90 1.5SN BK TU 186979000 F.70 LUF 10.00/06/90 5.0SN BK BX 2453730000 N.32 LXF-SMT7.50/07/90 4.5SN BK BX 1226550000 N.23 MHS 7S/04-4713 B T 8000078310 B LXF-SMT7.50/07/90 5.SN BK BX 1226550000 N.23 LXF-SMT7.50/07/90 5.SN BK BX 1226550000 N.23 LXF-SMT7.50/07/90 5.SN BK BX 1226550000 N.23 MHS 7S/04-4713 B T 8000078310 B LXF-SMT7.50/07/90 5.SN BK BX 1226550000 N.23 LXF-SMT | | | | | | | | 8000078315 B.16 |
| LSF-SMT7.50/07/90 3.5SN BK TU | | | | | | | | 8000078322 B.17 8000085192 B.25 |
| LSF-SMT7.50/07/180 3.5SN BKTU 1886160000 F.72 LUF 10.00/05/90 5.0SN BK BX 1988630000 N.32 LX 15.00/08/90 4.5SN BK BX 1921480000 N.22 MHS 75/03-5/04 D11 H73 BT 8000085261 B LSF-SMT7.50/07/180 3.5SN BKTU 1826180000 F.74 LUF 10.00/05/90 5.0SN BK BX 2453720000 N.32 LXB 15.00/08/90 4.5SN BK BX 1226520000 N.23 MHS 75/03-5/04 D11 H73 BT 8000078342 B LSF-SMT7.50/07/90 1.5SN BK TU 186979000 F.70 LUF 10.00/06/90 5.0SN BK BX 1988690000 N.32 LXB 15.00/03/90 4.5SN BK BX 1226520000 N.23 MHS 75/03-6/04 T13 BT 800007831B B LSF-SMT7.50/07/90 1.5SN BK TU 1869790000 F.70 LUF 10.00/06/90 5.0SN BK BX 1988690000 N.32 LXB 15.00/04/90 4.5SN BK BX 1226520000 N.23 MHS 75/04 VT3 BT 800007831B B LSF-SMT7.50/07/90 3.5SN BKTU 1824930000 F.70 LUF 10.00/07/90 5.0SN BK BX 1988650000 N.32 LXB 15.00/04/90 4.5SN BK BX 1226540000 N.23 MHS 75/04 VT3 BT 800007831B LSF-SMT7.50/07/90 3.5SN BKTU 1824930000 F.70 | LSF-SMT 7.50/06/90 3.5SN BK TU | 1824920000 F.70 | LUF 10.00/04/90 5.0SN BK BX | | LX 15.00/06/90 4.5SN BK BX | 1226500000 N.22 | MHS 7S/03-5/02 H T3 B T | 8000078336 B.20 |
| LSF-SMT7.50/07/180 1.5SN BK TU 1870330000 F.74 LUF 10.00/05/90 9.5 SN BK BX 2453720000 N.33 LXB 15.00/02/90 4.5SN BK BX 1226520000 N.23 MHS 75/03-5/04 HT3 B T 8000078392 B LSF-SMT7.50/07/90 3.5SN BK TU 1886790000 F.74 LUF 10.00/06/90 5.SN BK BX 1988640000 N.22 LXB 15.00/02/90 4.5SN BK BX 1226520000 N.23 MHS 75/04 HT3 B T 8000078392 B LSF-SMT7.50/07/90 3.5SN BK TU 1886970000 F.70 LUF 10.00/06/90 5.SN BK BX 2453730000 N.32 LXB 15.00/05/90 4.5SN BK BX 1226520000 N.23 MHS 75/04 HT3 B T 8000078392 LSF-SMT7.50/07/90 3.5SN BK TU 1824930000 F.70 LUF 10.00/07/90 5.SN BK BX 2453730000 N.32 LXB 15.00/05/90 4.5SN BK BX 1226520000 N.23 MHS 75/04 HT3 B T 8000078393 LSF-SMT7.50/07/90 3.5SN BK TU 1824930000 F.70 LUF 10.00/07/90 5.SN BK BX 2450730000 N.32 LXB 15.00/05/90 4.5SN BK BX 1226520000 N.23 MHS 75/04 WT3 B T 8000078323 LSF-SMT7.50/07/90 3.5SN BK TU 182493000 F.70 LUF 10.00/07/90 5.SN BK BX 2450730000 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8000078339 B.20</td> | | | | | | | | 8000078339 B.20 |
| LSF-SMT 7.50/07/90 1.5SN BKTU 186979000 F.70 LUF 10.00/06/90V 5.0SN BK BX 2453730000 N.33 LXB 15.00/04/90 4.5SN BK BX 1226540000 N.23 MHS 7S/04 V T3 B T 8000078316 B LSF-SMT 7.50/07/90 3.5SN BKTU 182493000 F.70 LUF 10.00/07/90 5.0SN BK BX 1988650000 N.32 LXB 15.00/05/90 4.5SN BK BX 122655000 N.23 MHS 7S/04 W T3 B T 8000078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S/04 W T3 B T 800078328 B MHS 7S | | | | | | | | 8000078342 B.20 |
| LSF-SMT 7.50/07/90 3.5SN BK TU 182493000 F.70 LUF 10.00/07/90 5.0SN BK BX 1988650000 N.32 LXB 15.00/05/90 4.5SN BK BX 1226550000 N.23 MHS 7S/04 WT3 B T 8000078323 B | | | | | | | | 8000078309 B.15 |
| | | | | | | | | 8000078316 B.16 8000078323 B.17 |
| | LSF-SMT 7.50/08/135 1.5SN BK TU | 1884940000 F.72 | LUF 10.00/07/90V 5.0SN BK BX | 2453740000 N.33 | LXB 15.00/06/90 4.5SN BK BX | 1226560000 N.23 | MHS 7S/04-5/02 D11 H T3 B T | 8000085260 B.25 |
| | | | | | | | | 8000078337 B.20 |
| | | | | | | | | 8000078340 B.20 8000085263 B.25 |
| LSF-SMT7.50/08/90 1.5SN BK TU 1868800000 F.70 LUF 10.00/09/90V 5.0SN BK BX 2453760000 N.33 LXXX 15.00/01/90 4.5SN BK BX 1047120000 N.24 MHS 7S/04-5/04 H T3 B T 8000078343 B | LSF-SMT 7.50/08/90 1.5SN BK TU | 1869800000 F.70 | LUF 10.00/09/90V 5.0SN BK BX | 2453760000 N.33 | LXXX 15.00/01/90 4.5SN BK BX | 1047120000 N.24 | MHS 7S/04-5/04 H T3 B T | 8000078343 B.20 |
| | | | | | | | | 8000078310 B.15 8000078317 B.16 |
| | | | | | | | | 8000078317 B.16 |
| | | | | | | | | 8000078311 B.15 |
| | | | | | | | | 8000078318 B.16 8000078325 B.17 |
| LSF-SMT 7.62/02/180 1.5SN BK TU 1869810000 F.80 LUF 15.00/02/90 5.0SN BK BX 2491800000 N.38 LXXX 15.00/02/90 FR 4.5SN BK BX 1047610000 N.25 MHS 75/07 H T3 B T 8000078312 B | LSF-SMT 7.62/02/180 1.5SN BK TU | 1869810000 F.80 | LUF 15.00/02/90 5.0SN BK BX | 2491800000 N.38 | LXXX 15.00/02/90FR 4.5SN BK BX | 1047610000 N.25 | MHS 7S/07 H T3 B T | 8000078312 B.15 |
| | | | | | | | | 8000078319 B.16 8000078326 B.17 |
| LSF-SMT 7.62/02/90 1.5SN BK RL 1874700000 F.77 LUF 15.00/03/90V 5.0SN BK BX 2492010000 N.39 LXXX 15.00/03/90F 4.5SN BK BX 1047460000 N.25 MHS 75/08 H T 3 B T 8000078313 B | LSF-SMT 7.62/02/90 1.5SN BK RL | 1874700000 F.77 | LUF 15.00/03/90V 5.0SN BK BX | 2492010000 N.39 | LXXX 15.00/03/90FL 4.5SN BK BX | 1047460000 N.25 | MHS 7S/08 H T3 B T | 8000078313 B.15 |
| LIF-SMT 7.62/02/90 1.5SN BKTU 1869260000 F.76 LUF 15.00/04/90 5.0SN BK BX 2491910000 N.38 LUF 15.00/04/90 S.0SN BK BX 249191000 N.38 LUF 15.00/04/90 S.0SN BK BX 24919100 N.38 LUF 15.00/04/90 S.0SN BK BX 24919100 N.38 LUF 15.00/04/90 S.0SN BK BX 24919100 N.38 LUF 15.00/04/90 S.0SN BK BX 2491910 N.38 LUF 15.00/04/90 S.0SN BK BX 2491910 N.38 LUF 15.00/04/90 S.0SN BK BX 2491910 | LSF-SMT 7.62/02/90 1.5SN BK TU | 1869260000 F.76 | LUF 15.00/04/90 5.0SN BK BX | 2491910000 N.38 | LXXX 15.00/03/90FR 4.5SN BK BX | 1047620000 N.25 | MHS 7S/08 V T3 B T | 8000078320 B.16 |

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|--------------------------------------------------------|------------------------------------|--------------------------------------------------------|------------------------------------|--------------------------------------------------------|--------------------------------------|--------------------------------------------------|------------------------------------|
| MHS 7S/08 W T3 B T | 8000078327 B.17 | PF RS 80 GR 2000MM | 4183130000 S.52 | PZ 6/5 | 9011460000 0.46 | RSV1,6 LB18 GR 3,2 AU | 1444200000 L.12 |
| MHZ 6 | 1925760000 S.44 | PF RS 80 OR 2000MM | 4157440000 S.52 | PZ 6/5 | 9011460000 0.50 | RSV1,6 LB18 GR 3,2 SN | 1444300000 L.8 |
| M0FU 35/L0/1 SW MPS 5/02 S F1 TN B B | 0646210000 S.56 2741670000 B.14 | PF RS 90 GN 2000MM PF RS 90 GR 2000MM | 1505730000 S.53 4051810000 S.53 | PZ 6/5 PZ 6/5 | 9011460000 0.52 9011460000 0.122 | RSV1,6 LB24 GR 3,2 AU RSV1,6 LB24 GR 3,2 SN | 1445200000 L.12 1445300000 L.8 |
| MPS 5/02 S TN B B | 2741560000 B.13 | PF RS 90 OR 2000MM | 4053240000 S.53 | PZ 6/5 | 9011460000 0.162 | RSV1,6 LB36 GR 3,2 AU | 1446200000 L.12 |
| MPS 5/03 D11 S F2 TN B B | 2741890000 B.24 | PGK 4 BK | 1288470000 Q.10 | PZ 6/5 | 9011460000 0.164 | RSV1,6 LB36 GR 3,2 SN | 1446300000 L.8 |
| MPS 5/03 D11 S TN B B MPS 5/03 S F2 TN B B | 2741780000 B.23 2741680000 B.14 | PGK 4 BT BK PM 5.00/02/90 3.5SN OR BX | 1288590000 0.11 1791610000 F.44 | PZ 6/5 PZ 6/5 | 9011460000 0.166 9011460000 0.168 | RSV1,6 LB4 GR 3,2 AU RSV1,6 LB4 GR 3,2 SN | 1440200000 L.12 1440300000 L.8 |
| MPS 5/03 S TN B B | 2741570000 B.13 | PM 5.00/03/90 3.5SN OR BX | 1791620000 F.44 | PZ 6/5 | 9011460000 0.170 | RSV1,6 LB6 GR 3,2 AU | 1441200000 L.12 |
| MPS 5/04 D11 S F3 TN B B | 2741900000 B.24 | PM 5.00/04/90 3.5SN OR BX | 1234650000 F.44 | PZ 6/5 | 9011460000 0.172 | RSV1,6 LB6 GR 3,2 SN | 1441300000 L8 |
| MPS 5/04 D11 S T N B B MPS 5/04 S F2 T N B B | 2741790000 B.23 2741690000 B.14 | PM 5.00/05/90 3.5SN OR BX PM 5.00/06/90 3.5SN OR BX | 1234670000 F.44 1234680000 F.44 | PZ 6/5 PZ 6/5 | 9011460000 0.174 9011460000 0.176 | RSV1,6 LB9 GR 3,2 AU RSV1,6 LB9 GR 3,2 SN | 1442200000 L.12 1442300000 L.8 |
| MPS 5/04 S TN B B | 2741580000 B.13 | PM 5.00/07/90 3.5SN OR BX | 1234690000 F.44 | PZ 6/5 | 9011460000 0.184 | RSV1,6 LBF12 GR 3,2 AU | 1443600000 L.13 |
| MPS 5/05 D11 S F4 TN B B MPS 5/05 D11 S TN B B | 2741910000 B.24 | PM 5.00/08/90 3.5SN OR BX | 1234700000 F.44 | PZ 6/5 PZ 6/5 | 9011460000 0.186 9011460000 0.188 | RSV1,6 LBF12 GR 3,2 SN | 1443700000 L.9 1444600000 L.13 |
| MPS 5/05 S F3 TN B B | 2741800000 B.23 2741700000 B.14 | PM 5.00/09/90 3.5SN OR BX PM 5.00/10/90 3.5SN OR BX | 1234710000 F.44 1234720000 F.44 | PZ 6/5 | 9011460000 0.188 | RSV1,6 LBF18 GR 3,2 AU RSV1,6 LBF18 GR 3,2 SN | 1444600000 L.13 1444700000 L.9 |
| MPS 5/05 S TN B B | 2741590000 B.13 | PM 5.00/11/90 3.5SN OR BX | 1234730000 F.44 | PZ 6/5 | 9011460000 0.192 | RSV1,6 LBF24 GR 3,2 AU | 1445600000 L.13 |
| MPS 5/06 D11 S F4 TN B B MPS 5/06 D11 S TN B B | 2741920000 B.24 2741810000 B.23 | PM 5.00/12/90 3.5SN OR BX | 1234740000 F.44 1760490000 F.45 | PZ 6/5 PZ 6/5 | 9011460000 0.194 9011460000 0.10 | RSV1,6 LBF24 GR 3,2 SN | 1445700000 L.9 1446600000 L.13 |
| MPS 5/06 S F3 TN B B | 2741710000 B.23 | PM 5.08/02/90 3.5SN OR BX PM 5.08/03/90 3.5SN OR BX | 1760500000 F.45 | FZ 0/3 | 9011400000 Q.10 | RSV1,6 LBF36 GR 3,2 AU RSV1,6 LBF36 GR 3,2 SN | 1446700000 L.13 |
| MPS 5/06 S TN B B | 2741600000 B.13 | PM 5.08/04/90 3.5SN OR BX | 1234550000 F.45 | R | | RSV1,6 LBF4 GR 3,2 AU | 1440600000 L.13 |
| MPS 5/07 S F4 TN B B MPS 5/07 S TN B B | 2741720000 B.14 2741610000 B.13 | PM 5.08/05/90 3.5SN OR BX PM 5.08/06/90 3.5SN OR BX | 1234570000 F.45 1234580000 F.45 | RA MCZ1.5 DKBG 1674 | 2224240000 S.45 | RSV1,6 LBF4 GR 3,2 SN RSV1,6 LBF6 GR 3,2 AU | 1440700000 L.9 1441600000 L.13 |
| MPS 5/08 S F4 TN B B | 2741730000 B.14 | PM 5.08/07/90 3.5SN OR BX | 1234590000 F.45 | RF 108 OR | 1020690000 \$.55 | RSV1,6 LBF6 GR 3,2 SN | 1441700000 L.13 |
| MPS 5/08 S TN B B | 2741620000 B.13 | PM 5.08/08/90 3.5SN OR BX | 1234600000 F.45 | RF 180 BK | 1057530000 S.52 | RSV1,6 LBF9 GR 3,2 AU | 1442600000 L.13 |
| MPS 5/09 S F5 TN B B MPS 5/09 S TN B B | 2741740000 B.14 2741630000 B.13 | PM 5.08/09/90 3.5SN OR BX PM 5.08/10/90 3.5SN OR BX | 1234610000 F.45 1234620000 F.45 | RF 180 BK RF 180 BK | 1057530000 S.53 1057530000 S.54 | RSV1,6 LBF9 GR 3,2 SN RSV1,6 LS12 GR 3,2 AU | 1442700000 L.9 1443400000 L.10 |
| MPS 5/10 S F5 TN B B | 2741750000 B.13 | PM 5.08/11/90 3.5SN OR BX | 1234630000 F.45 | RF 180 GR | 1773400000 S.52 | RSV1,6 LS12 GR 3,2 SN | 1443500000 L.10 |
| MPS 5/10 S TN B B | 2741640000 B.13 | PM 5.08/12/90 3.5SN OR BX | 1234640000 F.45 | RF 180 GR | 1773400000 S.53 | RSV1,6 LS18 GR 3,2 AU | 1444400000 L.10 |
| MPS 5/11 S F6 TN B B MPS 5/11 S TN B B | 2741760000 B.14 2741650000 B.13 | PS 2.0 MC PS 2.0 MC | 0310000000 F.88 0310000000 F.90 | RF 180 GR RF 180 OR 1665 | 1773400000 S.54 1324460000 S.52 | RSV1,6 LS18 GR 3,2 SN RSV1,6 LS24 GR 3,2 AU | 1444500000 L.6 1445400000 L.10 |
| MPS 5/12 S F6 TN B B | 2741770000 B.14 | PS 2.0 MC | 0310000000 P.50 | RF 180 OR 1665 | 1324460000 S.53 | RSV1,6 LS24 GR 3,2 SN | 1445500000 L.10 |
| MPS 5/12 S TN B B | 2741660000 B.13 | PS 2.0 MC | 0310000000 N.19 | RF 180 OR 1665 | 1324460000 S.54 | RSV1,6 LS36 GR 3,2 AU | 1446400000 L.10 |
| MPS 7S/02 S F1 TN B B MPS 7S/02 S TN B B | 8000078353 B.19 8000078328 B.18 | PS 2.0 MC PS 2.0 MC | 0310000000 N.20 0310000000 N.21 | RF RS 70 LI/A2/0.SG BK RF RS 70 LI/A2/0.SG DB | 1162890000 S.51 1795690000 S.51 | RSV1,6 LS36 GR 3,2 SN | 1446500000 L.6 1440400000 L.10 |
| MPS 7S/02-5/02 S TN B B | 8000078328 B.18 8000078344 B.21 | PS 2.0 MC | 0310000000 N.21 031000000 N.22 | RF RS 70 LI/A2/0.SG OR 1665 | 1795690000 S.51 0119660000 S.51 | RSV1,6 LS4 GR 3,2 AU RSV1,6 LS4 GR 3,2 SN | 1440500000 L.10 |
| MPS 7S/02-5/03 S TN B B | 8000078347 B.21 | PS 2.0 MC | 0310000000 N.24 | RF RS 70 MI/A6 1665 | 2062810000 S.51 | RSV1,6 LS6 GR 3,2 AU | 1441400000 L.10 |
| MPS 7S/02-5/04 S TN B B MPS 7S/03 S F2 TN B B | 8000078350 B.21 8000078354 B.19 | PS 2.0 MC PS 2.0 MC | 0310000000 N.26 0310000000 N.27 | RF RS 70 MI/A6 OR RF RS 70 RE/A3/M.BEZ 1665 | 0213760000 S.51 2062690000 S.51 | RSV1,6 LS6 GR 3,2 SN RSV1,6 LS9 GR 3,2 AU | 1441500000 L.6 1442400000 L.10 |
| MPS 7S/03 S TN B B | 8000078329 B.18 | PS 2.0 MC | 0310000000 N.28 | RF RS 70 RE/A3/M.BEZ 0R | 0119560000 S.51 | RSV1,6 LS9 GR 3,2 SN | 1442500000 L.10 |
| MPS 7S/03-5/02 D11 S TN B B | 8000085268 B.26 | PS 2.0 MC | 0310000000 N.29 | RF RS 70 RE/A4/0.BEZ OR 1665 | 0126260000 S.51 | RSV1,6 LSF12 GR 3,2 AU | 1443800000 L.11 |
| MPS 7S/03-5/02 S TN B B MPS 7S/03-5/03 S TN B B | 8000078345 B.21 8000078348 B.21 | PS 2.0 MC PS 2.0 MC | 0310000000 N.30 0310000000 N.31 | RF RS 70 RE/A5/0.SG RF RS 70 RE/A5/0.SG 1665 | 8453040000 S.51 2064300000 S.51 | RSV1,6 LSF12 GR 3,2 SN RSV1,6 LSF18 GR 3,2 AU | 1443900000 L.7 1444800000 L.11 |
| MPS 7S/03-5/04 D11 S TN B B | 8000078348 B.21 | PS 2.0 MC | 0310000000 N.31 | RF RS 70 RE/A5/0.SG BK | 1162900000 S.51 | RSV1,6 LSF18 GR 3,2 SN | 1444900000 L.TI |
| MPS 7S/03-5/04 S TN B B | 8000078351 B.21 | PS 2.0 MC | 0310000000 N.33 | RJ45C5 R1D 3.2E4G/Y RL | 2562870000 D.14 | RSV1,6 LSF24 GR 3,2 AU | 1445800000 L.11 |
| MPS 7S/04 S F2 TN B B MPS 7S/04 S TN B B | 8000078355 B.19 8000078330 B.18 | PS 2.0 MC PS 2.0 MC | 0310000000 N.34 0310000000 N.35 | RJ45C5 R1D 3.3E4N RL RJ45C5 R1U 2.8E4N RL | 2562910000 D.15 2562930000 D.16 | RSV1,6 LSF24 GR 3,2 SN RSV1,6 LSF36 GR 3,2 AU | 1445900000 L.7 1446800000 L.11 |
| MPS 7S/04-5/02 D11 S TN B B | 8000078330 B.16 | PS 2.0 MC | 0310000000 N.36 | RJ45C5 R1U 2.8N4G/Y RL | 2562950000 D.17 | RSV1,6 LSF36 GR 3,2 SN | 1446900000 L.T |
| MPS 7S/04-5/02 S TN B B | 8000078346 B.21 | PS 2.0 MC | 0310000000 N.37 | RJ45C5 R1V 3.2N4G/Y TY | 2516380000 D.12 | RSV1,6 LSF4 GR 3,2 AU | 1440800000 L.11 |
| MPS 7S/04-5/03 S TN B B MPS 7S/04-5/04 D11 S TN B B | 8000078349 B.21 8000085271 B.26 | PS 2.0 MC PS 2.0 MC | 0310000000 N.38 0310000000 N.39 | RJ45C5 R1V 3.2N4N RL RJ45C5 S1D 2.7N4N RL | 2562970000 D.13 2000890000 D.8 | RSV1,6 LSF4 GR 3,2 SN RSV1,6 LSF6 GR 3,2 AU | 1440900000 L.7 1441800000 L.11 |
| MPS 7S/04-5/04 S TN B B | 8000083271 B.26 8000078352 B.21 | PS 2.0 MC | 0310000000 N.39 | RJ45C5 S1D 2.7N4N RL | 1433890000 D.9 | RSV1,6 LSF6 GR 3,2 SN | 1441900000 L.TI |
| MPS 7S/05 S F3 TN B B | 8000078356 B.19 | PS 2.0 MC | 0310000000 N.41 | RJ45C5 S1V 2.7E4N RL | 2514600000 D.7 | RSV1,6 LSF9 GR 3,2 AU | 1442800000 L.11 |
| MPS 7S/05 S TN B B MPS 7S/06 S F3 TN B B | 8000078331 B.18 8000078357 B.19 | PS 2.0 MC PS 2.3 RT | 0310000000 R.6 0180400000 Q.10 | RJ45C5 S1V 2.7N4N RL RJ45C5 T1D 3.2E4G/Y TY | 1433900000 D.6 2562820000 D.21 | RSV1,6 LSF9 GR 3,2 SN RSV1,6 RF12/35X15 SW | 1442900000 L.7 1690140000 L.14 |
| MPS 7S/06 S TN B B | 8000078337 B.18 | PS 3.50/02/90 3.5SN OR BX | 1912320000 F.42 | RJ45C5 T1D 3.3E4N TY | 2562900000 D.21 | RSV1,6 RF12/35X15 SW | 1690140000 L.14 |
| MPS 7S/07 S F4 TN B B | 8000078358 B.19 | PS 3.50/03/90 3.5SN OR BX | 1912330000 F.42 | RJ45C5 T1D 3.3N4N TY | 1433800000 D.20 | RSV1,6 RF12/35X7.5 SW | 1582940000 L.14 |
| MPS 7S/07 S TN B B MPS 7S/08 S F4 TN B B | 8000078333 B.18 8000078359 B.19 | PS 3.50/04/90 3.5SN OR BX PS 3.50/05/90 3.5SN OR BX | 1912340000 F.42 1912350000 F.42 | RJ45C5 T1U 2.8E4G/Y TY RJ45C5 T1U 2.8E4N TY | 2562880000 D.23 2562920000 D.23 | RSV1,6 RF12/35X7.5 SW RSV1,6 RF18/35X15 SW | 1582940000 M.3 1690150000 L.14 |
| MPS 7S/08 S TN B B | 8000078334 B.18 | PS 3.50/06/90 3.5SN OR BX | 1912360000 F.42 | RJ45C5 T1U 2.8N4N TY | 1455240000 D.23 | RSV1,6 RF18/35X15 SW | 1690150000 M.3 |
| MTA 30 BK | 1168970000 S.56 | PS 3.50/07/90 3.5SN OR BX | 1912370000 F.42 | RJ45C5 T1V 3.2N4G/Y TY | 2562960000 D.19 | RSV1,6 RF18/35X7.5 SW | 1582950000 L.14 |
| MTA 45 BK MTS 5/02 H T4 B T | 1962250000 S.56 2913600000 B.28 | PS 3.50/08/90 3.5SN OR BX PS 3.50/09/90 3.5SN OR BX | 1912380000 F.42 1912390000 F.42 | RJ45C5 T1V 3.2N4N TY RJ45C5 T1V 4.0N4N TY | 1433810000 D.19 2436450000 D.19 | RSV1,6 RF18/35X7.5 SW RSV1,6 RF24/35X15 SW | 1582950000 M.3 1690160000 L.14 |
| MTS 5/02 V T4 B T | 2913710000 B.29 | PS 3.50/10/90 3.5SN OR BX | 1912400000 F.42 | RJ45C5E S1U 0.9N4N RL | 1455220000 D.10 | RSV1,6 RF24/35X15 SW | 1690160000 M.3 |
| MTS 5/03 H T4 B T | 2913610000 B.28 | PS 3.50/11/90 3.5SN OR BX | 1912410000 F.42 | RJ45C5E S1U DE4G/Y RL | 2562890000 D.11 | RSV1,6 RF24/35X7.5 SW | 1582960000 L.14 |
| MTS 5/03 V T4 B T MTS 5/04 H T4 B T | 2913720000 B.29 2913620000 B.28 | PS 3.50/12/90 3.5SN OR BX PTSC KA 2.2X4.5 WN1412 | 1912420000 F.42 1610740000 I.14 | RJ45C5E S1U DE4N RL RJ45C6 T1U 2.7N4N TY | 2562940000 D.11 1433910000 D.22 | RSV1,6 RF24/35X7.5 SW RSV1,6 RF36/35X15 SW | 1582960000 M.3 1690170000 L.14 |
| MTS 5/04 V T4 B T | 2913730000 B.29 | PTSC KA 2.2X4.5 WN1412 | 1610740000 I.16 | RJ45C6 T1V 3.0N4N TY | 2626050000 D.18 | RSV1,6 RF36/35X15 SW | 1690170000 M.3 |
| MTS 5/05 H T4 B T | 2913630000 B.28 | PTSC KA 2.2X4.5 WN1412 | 1610740000 I.30 | RJ45G R1V 1.9N4YG/YG RL | 2562160000 D.28 | RSV1,6 RF36/35X7.5 SW | 1582970000 L.14 |
| MTS 5/05 V T4 B T MTS 5/06 H T4 B T | 2913740000 B.29 2913640000 B.28 | PTSC KA 2.2X4.5 WN1412 PTSC KA 2.2X4.5 WN1412 | 1610740000 I.36 1610740000 I.38 | RJ45G1 R12D 3.2E4YG/YG RL RJ45G1 R12D 3.2N4YG/YG RL | 2036510000 D.34 2485370000 D.35 | RSV1,6 RF36/35X7.5 SW RSV1,6 RF4/35X15 SW | 1582970000 M.3 1690110000 L.14 |
| MTS 5/06 V T4 B T | 2913750000 B.29 | PTSC KA 2.2X4.5 WN1412 | 1610740000 J.18 | RJ45G1 R12D 3.3E4G/Y TY | 2544500000 D.35 | RSV1,6 RF4/35X15 SW | 1690110000 M.3 |
| MTS 5/07 H T4 B T | 2913650000 B.28 | PTSC KA 2.2X4.5 WN1412 | 1610740000 J.24 | RJ45G1 R1D 3.2E4N RL | 2564440000 D.30 2544510000 D.31 | RSV1,6 RF4/35X7.5 SW | 1582910000 L.14 1582910000 M.3 |
| MTS 5/07 V T4 B T MTS 5/08 H T4 B T | 2913760000 B.29 2913660000 B.28 | PTSC KA 2.2X4.5 WN1412 PTSC KA 2.2X4.5 WN1412 | 1610740000 J.28 1610740000 J.36 | RJ45G1 R1D 3.3E4G/Y TY RJ45M R12D 3.2N4G/Y RL | 2544510000 D.31 2551900000 D.36 | RSV1,6 RF4/35X7.5 SW RSV1,6 RF6/35X15 SW | 1582910000 M.3 1690120000 L.14 |
| MTS 5/08 V T4 B T | 2913770000 B.29 | PTSC KA 2.2X4.5 WN1412 | 1610740000 J.42 | RJ45M R1D 3.2E4N RL | 2564430000 D.31 | RSV1,6 RF6/35X15 SW | 1690120000 M.3 |
| MTS 5/09 H T4 B T MTS 5/09 V T4 B T | 2913670000 B.28 2913780000 B.29 | PTSC KB40X14 PZ 1.5 | 4019420000 S.54 9005990000 I.12 | RJ45M R1D 3.3E4G/Y RL RJ45M R1D 3.3N4Y/G TY | 2564410000 D.32 2461060000 D.32 | RSV1,6 RF6/35X7.5 SW RSV1,6 RF6/35X7.5 SW | 1582920000 L.14 1582920000 M.3 |
| MTS 5/10 H T4 B T | 2913680000 B.28 | PZ 1.5 | 9005990000 1.18 | RJ45M R1V 1.9N4YG/YG RL | 2562150000 D.29 | RSV1,6 RF9/35X15 SW | 1690130000 L.14 |
| MTS 5/10 V T4 B T | 2913790000 B.29 | PZ 1.5 | 9005990000 1.54 | RJ45M R1V 3.3N4Y/G TY | 2461070000 D.29 | RSV1,6 RF9/35X15 SW | 1690130000 M.3 |
| MTS 5/11 H T4 B T MTS 5/11 V T4 B T | 2913690000 B.28 2913800000 B.29 | PZ 1.5 PZ 1.5 | 9005990000 1.56 9005990000 1.58 | RJ45M S1D DE4N RL RJ45M T12D 3.3E4G/Y RL | 2564450000 D.26 2036460000 D.40 | RSV1,6 RF9/35X7.5 SW RSV1,6 RF9/35X7.5 SW | 1582930000 L.14 1582930000 M.3 |
| MTS 5/12 HT4 B T | 2913700000 B.28 | PZ 1.5 | 9005990000 1.60 | RJ45M T1D 3.2E4N TY | 2474160000 D.38 | RSV1,6 S12 GR | 1416100000 L.14 |
| MTS 5/12 V T4 B T | 2913810000 B.29 | PZ 1.5 | 9005990000 J.54 | RJ45M T1D 3.3E4G/Y TY | 2563850000 D.39 | RSV1,6 S18 GR | 1417100000 L.14 |
| D | | PZ 1.5 PZ 6/5 | 9005990000 J.56 9011460000 I.12 | RSV1,6 B12 GR RSV1,6 B18 GR | 1416000000 L.15 1417000000 L.15 | RSV1,6 S24 GR RSV1,6 S36 GR BX | 1418100000 L.14 1419100000 L.14 |
| Р | | PZ 6/5 | 9011460000 I.18 | RSV1,6 B24 GR | 1418000000 L.15 | RSV1,6 S4 GR | 1413100000 L.14 |
| PB-CO RD | 2654620000 P.4 | PZ 6/5 | 9011460000 I.54 | RSV1,6 B36 GR BX | 1419000000 L.15 | RSV1,6 S6 GR | 1414100000 L.14 |
| PB-CON IKSC M4X8 A2 PB-CON SF DELTA PT 40X12 | 2708610000 P.4 2708620000 P.4 | PZ 6/5 PZ 6/5 | 9011460000 I.56 9011460000 I.58 | RSV1,6 B4 GR RSV1,6 B6 GR | 1413000000 L.15 1414000000 L.15 | RSV1,6 S9 GR RSV1,6 ZE04 BK BX | 1415100000 L.14 1563600000 L.14 |
| PB-ENDCAP 160 02RF BK BX | 2594970000 P.4 | PZ 6/5 | 9011460000 1.58 | RSV1,6 B9 GR | 1415000000 L.15 | RSV1,6 ZE04 BK BX | 1563600000 L.14 1563600000 M.2 |
| PF RS 100 BK 2000MM | 4352940000 S.54 | PZ 6/5 | 9011460000 J.54 | RSV1,6 KO | 1567430000 L.6 | RSV1,6 ZE06 BK BX | 1563500000 L.14 |
| PF RS 100 GN 2000MM PF RS 100 GR 2000MM | 4347570000 S.54 4010870000 S.54 | PZ 6/5 PZ 6/5 | 9011460000 J.56 9011460000 0.34 | RSV1,6 KO RSV1,6 KO | 1567430000 L.8 1567430000 L.10 | RSV1,6 ZE06 BK BX RSV1,6 ZE09 BK BX | 1563500000 M.2 1563400000 L.14 |
| PF RS 100 GR 2000MM | 4144870000 S.54 | PZ 6/5 | 9011460000 0.34 | RSV1,6 KO | 1567430000 L.10 | RSV1,6 ZE09 BK BX | 1563400000 L.14 1563400000 M.2 |
| PF RS 122 OR 2000MM | 1155940000 S.55 | PZ 6/5 | 9011460000 0.38 | RSV1,6 KO | 1567430000 L.14 | RSV1,6 ZE12 BK BX | 1563300000 L.14 |
| PF RS 45 GR 2000MM PF RS 45 OR 2000MM | 4027750000 S.50 4340430000 S.50 | PZ 6/5 PZ 6/5 | 9011460000 0.40 9011460000 0.42 | RSV1,6 K0 RSV1,6 LB12 GR 3,2 AU | 1567430000 M.11 1443200000 L.12 | RSV1,6 ZE12 BK BX RSV1,6 ZE18 BK BX | 1563300000 M.2 1563200000 L.14 |
| PF RS 80 GN 2000MM | 1396730000 S.52 | PZ 6/5 | 9011460000 0.44 | RSV1,6 LB12 GR 3,2 SN | 1443300000 L.8 | RSV1,6 ZE18 BK BX | 1563200000 M.2 |
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| RSV1,6 ZE24 BK BX | 1563100000 L.14 | S2CD-THR 3.50/24/90G 3.2SN BK BX | 1357840000 I.10 | SC 3.81/06/270F 3.2SN OR BX | 1038080000 J.33 | SC-SMT 3.81/04/180G 3.2SN BK BX | 1862950000 J.10 |
| RSV1,6 ZE24 BK BX | 1563100000 M.2 | S2CD-THR 3.50/24/90LF 3.2SN BK BX | 1357940000 I.11 | SC 3.81/06/270G 3.2SN OR BX | 1037540000 J.32 | SC-SMT 3.81/04/180G 3.2SN BK RL | 1863490000 J.11 |
| RSV1,6 ZE36 BK BX RSV1,6 ZE36 BK BX | 1563000000 L.14 1563000000 M.2 | S2CD-THR 3.50/28/90G 3.2SN BK BX | 1357850000 I.10 1357950000 I.11 | SC 3.81/06/90F 3.2SN OR BX | 1942490000 J.27 1942100000 J.26 | SC-SMT 3.81/04/180LF 1.5SN BK RL SC-SMT 3.81/04/180LF 3.2SN BK BX | 1864240000 J.11 1863260000 J.11 |
| NOV I,U ZEOU DK DA | 1563000000 M.2 | S2CD-THR 3.50/28/90LF 3.2SN BK BX S2CD-THR 3.50/32/90G 3.2SN BK BX | 1357870000 1.11 | SC 3.81/06/90G 3.2SN OR BX SC 3.81/07/135F 3.2SN OR BX | 1976790000 J.31 | SC-SMT 3.81/04/270F 3.2SN BK BX | 1037020000 J.15 |
| S | | S2CD-THR 3.50/32/90LF 3.2SN BK BX | 1357970000 I.11 | SC 3.81/07/135G 3.2SN OR BX | 1975900000 J.30 | SC-SMT 3.81/04/270G 3.2SN BK BX | 1036510000 J.14 |
| | | S2CD-THR 3.50/36/90G 3.2SN BK BX | 1357880000 I.10 | SC 3.81/07/180F 3.2SN OR BX | 1943230000 J.29 | SC-SMT 3.81/04/90G 1.5SN BK RL | 1863160000 J.9 |
| S2C-SMT 3.50/04/180G 1.5SN BK RL S2C-SMT 3.50/04/180G 3.5SN BK BX | 1358860000 I.9 1290030000 I.8 | S2CD-THR 3.50/36/90LF 3.2SN BK BX S2L 3.50/06/180F 3.5SN OR BX | 1357990000 I.11 1729430000 I.17 | SC 3.81/07/180G 3.2SN OR BX SC 3.81/07/270F 3.2SN OR BX | 1942890000 J.28 1038090000 J.33 | SC-SMT 3.81/04/90G 3.2SN BK BX SC-SMT 3.81/04/90LF 1.5SN BK RL | 1862490000 J.8 1862770000 J.9 |
| S2C-SMT 3.50/04/180LF 1.5SN BK BX | 1358630000 I.9 | S2L 3.50/06/180G 3.5SN OR BX | 1728790000 I.17 | SC 3.81/07/270G 3.2SN OR BX | 1037550000 J.32 | SC-SMT 3.81/04/90LF 3.2SN BK BX | 1863690000 J.9 |
| S2C-SMT 3.50/04/180LF 3.5SN BK BX | 1290220000 I.9 | S2L 3.50/06/90F 3.5SN OR BX | 1728470000 I.15 | SC 3.81/07/90F 3.2SN OR BX | 1942500000 J.27 | SC-SMT 3.81/05/135G 3.2SN BK BX | 1977230000 J.12 |
| S2C-SMT 3.50/04/90G 1.5SN BK RL | 1359580000 I.7 | S2L 3.50/06/90G 3.5SN OR BX | 1727830000 I.14 | SC 3.81/07/90G 3.2SN OR BX | 1942120000 J.26 | SC-SMT 3.81/05/135LF 3.2SN BK BX | 1978110000 J.13 |
| S2C-SMT 3.50/04/90G 3.2SN BK BX | 1288980000 I.6 | S2L 3.50/08/180F 3.5SN OR BX | 1729440000 1.17 | SC 3.81/08/135F 3.2SN OR BX | 1976800000 J.31 1975920000 J.30 | SC-SMT 3.81/05/180G 1.5SN BK RL SC-SMT 3.81/05/180G 3.2SN BK BX | 1864300000 J.11 |
| S2C-SMT 3.50/04/90LF 1.5SN BK RL S2C-SMT 3.50/04/90LF 3.2SN BK BX | 1359080000 I.7 1289450000 I.7 | S2L 3.50/08/180G 3.5SN OR BX S2L 3.50/08/90F 3.5SN OR BX | 1728800000 I.16 1728480000 I.15 | SC 3.81/08/135G 3.2SN OR BX SC 3.81/08/180F 3.2SN OR BX | 1975920000 J.30 1943240000 J.29 | SC-SMT 3.81/05/180LF 1.5SN BK RL | 1863010000 J.10 1864250000 J.11 |
| S2C-SMT 3.50/06/180G 1.5SN BK RL | 1358870000 I.9 | S2L 3.50/08/90G 3.5SN OR BX | 1727840000 I.14 | SC 3.81/08/180G 3.2SN OR BX | 1942900000 J.28 | SC-SMT 3.81/05/180LF 3.2SN BK BX | 1863280000 J.11 |
| S2C-SMT 3.50/06/180G 3.5SN BK BX | 1290040000 I.8 | S2L 3.50/10/180F 3.5SN OR BX | 1729450000 I.17 | SC 3.81/08/270F 3.2SN OR BX | 1038110000 J.33 | SC-SMT 3.81/05/270F 3.2SN BK BX | 1037030000 J.15 |
| S2C-SMT 3.50/06/180LF 1.5SN BK RL | 1358640000 I.9 | S2L 3.50/10/180G 3.5SN OR BX | 1728810000 I.16 | SC 3.81/08/270G 3.2SN OR BX | 1037560000 J.32 | SC-SMT 3.81/05/270G 3.2SN BK BX | 1036520000 J.14 |
| S2C-SMT 3.50/06/180LF 3.5SN BK BX S2C-SMT 3.50/06/90G 1.5SN BK RL | 1290230000 I.9 1359590000 I.7 | S2L 3.50/10/90F 3.5SN OR BX S2L 3.50/10/90G 3.5SN OR BX | 1728490000 I.15 1727850000 I.14 | SC 3.81/08/90F 3.2SN OR BX SC 3.81/08/90G 3.2SN OR BX | 1942510000 J.27 1942130000 J.26 | SC-SMT 3.81/05/90G 1.5SN BK RL SC-SMT 3.81/05/90G 3.2SN BK BX | 1863170000 J.9 1862500000 J.8 |
| S2C-SMT 3.50/06/90G 3.2SN BK BX | 1289270000 I.6 | S2L 3.50/12/180F 3.5SN OR BX | 1729460000 I.17 | SC 3.81/09/135F 3.2SN OR BX | 1976810000 J.31 | SC-SMT 3.81/05/90LF 1.5SN BK RL | 1862790000 J.9 |
| S2C-SMT 3.50/06/90LF 1.5SN BK RL | 1359090000 I.7 | S2L 3.50/12/180G 3.5SN OR BX | 1728820000 I.16 | SC 3.81/09/135G 3.2SN OR BX | 1975930000 J.30 | SC-SMT 3.81/05/90LF 3.2SN BK BX | 1863700000 J.9 |
| S2C-SMT 3.50/06/90LF 3.2SN BK BX | 1289460000 I.7 | S2L 3.50/12/90F 3.5SN OR BX | 1728500000 I.15 | SC 3.81/09/180F 3.2SN OR BX | 1943250000 J.29 | SC-SMT 3.81/06/135G 3.2SN BK BX | 1977240000 J.12 |
| S2C-SMT 3.50/08/180G 1.5SN BK RL | 1358880000 1.9 | S2L 3.50/12/90G 3.5SN OR BX S2L 3.50/14/180F 3.5SN OR BX | 1727860000 I.14 1729470000 I.17 | SC 3.81/09/180G 3.2SN OR BX SC 3.81/09/270F 3.2SN OR BX | 1942910000 J.28 1038130000 J.33 | SC-SMT 3.81/06/135LF 3.2SN BK BX SC-SMT 3.81/06/180G 1.5SN BK RL | 1978120000 J.13 1864310000 J.11 |
| S2C-SMT 3.50/08/180G 3.5SN BK BX S2C-SMT 3.50/08/180LF 1.5SN BK RL | 1290050000 I.8 1358650000 I.9 | S2L 3.50/14/180G 3.5SN OR BX | 1728830000 I.17 | SC 3.81/09/270F 3.25N OR BX | 1037570000 J.32 | SC-SMT 3.81/06/180G 1.55N BK RL | 1863020000 J.10 |
| S2C-SMT 3.50/08/180LF 3.5SN BK BX | 1290240000 I.9 | S2L 3.50/14/90F 3.5SN OR BX | 1728510000 I.15 | SC 3.81/09/90F 3.2SN OR BX | 1942520000 J.27 | SC-SMT 3.81/06/180LF 1.5SN BK RL | 1864260000 J.11 |
| S2C-SMT 3.50/08/90G 1.5SN BK RL | 1359600000 I.7 | S2L 3.50/14/90G 3.5SN OR BX | 1727870000 I.14 | SC 3.81/09/90G 3.2SN OR BX | 1942140000 J.26 | SC-SMT 3.81/06/180LF 3.2SN BK BX | 1863300000 J.11 |
| S2C-SMT 3.50/08/90G 3.2SN BK BX | 1289280000 I.6 | S2L 3.50/16/180F 3.5SN OR BX | 1729480000 I.17 | SC 3.81/10/135F 3.2SN OR BX | 1976820000 J.31 | SC-SMT 3.81/06/270F 3.2SN BK BX | 1037040000 J.15 |
| S2C-SMT 3.50/08/90LF 1.5SN BK RL | 1359110000 1.7 | S2L 3.50/16/180G 3.5SN OR BX S2L 3.50/16/90F 3.5SN OR BX | 1728840000 I.16 1728520000 I.15 | SC 3.81/10/135G 3.2SN OR BX SC 3.81/10/180F 3.2SN OR BX | 1975940000 J.30 1943260000 J.29 | SC-SMT 3.81/06/270G 3.2SN BK BX SC-SMT 3.81/06/90G 1.5SN BK RL | 1036530000 J.14 1863180000 J.9 |
| S2C-SMT 3.50/08/90LF 3.2SN BK BX S2C-SMT 3.50/10/180G 1.5SN BK RL | 1289470000 I.7 1358900000 I.9 | S2L 3.50/16/90G 3.5SN OR BX | 1727880000 I.14 | SC 3.81/10/180G 3.2SN OR BX | 1942920000 J.28 | SC-SMT 3.81/06/90G 3.2SN BK BX | 1862510000 J.8 |
| S2C-SMT 3.50/10/180G 3.5SN BK BX | 1290060000 I.8 | S2L 3.50/18/180F 3.5SN OR BX | 1729490000 I.17 | SC 3.81/10/270F 3.2SN OR BX | 1038140000 J.33 | SC-SMT 3.81/06/90LF 1.5SN BK RL | 1862820000 J.9 |
| S2C-SMT 3.50/10/180LF 1.5SN BK RL | 1358670000 I.9 | S2L 3.50/18/180G 3.5SN OR BX | 1728850000 I.16 | SC 3.81/10/270G 3.2SN OR BX | 1037580000 J.32 | SC-SMT 3.81/06/90LF 3.2SN BK BX | 1863710000 J.9 |
| S2C-SMT 3.50/10/180LF 3.5SN BK BX | 1290250000 I.9 | S2L 3.50/18/90F 3.5SN OR BX | 1728530000 I.15 | SC 3.81/10/90F 3.2SN OR BX | 1942530000 J.27 | SC-SMT 3.81/07/135G 3.2SN BK BX | 1977250000 J.12 |
| S2C-SMT 3.50/10/90G 1.5SN BK RL S2C-SMT 3.50/10/90G 3.2SN BK BX | 1359610000 I.7 1289290000 I.6 | S2L 3.50/18/90G 3.5SN OR BX S2L 3.50/20/180F 3.5SN OR BX | 1727890000 I.14 1729500000 I.17 | SC 3.81/10/90G 3.2SN OR BX SC 3.81/11/135F 3.2SN OR BX | 1942150000 J.26 1976830000 J.31 | SC-SMT 3.81/07/135LF 3.2SN BK BX SC-SMT 3.81/07/180G 1.5SN BK RL | 1978130000 J.13 1864320000 J.11 |
| S2C-SMT 3.50/10/90B 3.25N BK BA | 1359120000 I.7 | S2L 3.50/20/180F 3.5SN OR BX | 1728860000 I.16 | SC 3.81/11/135G 3.2SN OR BX | 1975950000 J.30 | SC-SMT 3.81/07/180G 3.2SN BK BX | 1863030000 J.10 |
| S2C-SMT 3.50/10/90LF 3.2SN BK BX | 1289480000 I.7 | S2L 3.50/20/90F 3.5SN OR BX | 1728540000 I.15 | SC 3.81/11/180F 3.2SN OR BX | 1943270000 J.29 | SC-SMT 3.81/07/180LF 1.5SN BK RL | 1864270000 J.11 |
| S2C-SMT 3.50/12/180G 1.5SN BK RL | 1358920000 I.9 | S2L 3.50/20/90G 3.5SN OR BX | 1727900000 I.14 | SC 3.81/11/180G 3.2SN OR BX | 1942930000 J.28 | SC-SMT 3.81/07/180LF 3.2SN BK BX | 1863310000 J.11 |
| S2C-SMT 3.50/12/180G 3.5SN BK BX | 1290070000 I.8 | S2L 3.50/22/180F 3.5SN OR BX | 1729510000 1.17 | SC 3.81/11/270F 3.2SN OR BX | 1038150000 J.33 | SC-SMT 3.81/07/270F 3.2SN BK BX | 1037050000 J.15 |
| S2C-SMT 3.50/12/180LF 1.5SN BK RL S2C-SMT 3.50/12/180LF 3.5SN BK BX | 1358680000 I.9 1290260000 I.9 | S2L 3.50/22/180G 3.5SN OR BX S2L 3.50/22/90F 3.5SN OR BX | 1728870000 I.16 1728550000 I.15 | SC 3.81/11/270G 3.2SN OR BX SC 3.81/11/90F 3.2SN OR BX | 1037590000 J.32 1942540000 J.27 | SC-SMT 3.81/07/270G 3.2SN BK BX SC-SMT 3.81/07/90G 1.5SN BK RL | 1036540000 J.14 1863190000 J.9 |
| S2C-SMT 3.50/12/100E 0.50N BK RL | 1359620000 I.7 | S2L 3.50/22/90G 3.5SN OR BX | 1727910000 I.14 | SC 3.81/11/90G 3.2SN OR BX | 1942160000 J.26 | SC-SMT 3.81/07/90G 3.2SN BK BX | 1862520000 J.8 |
| S2C-SMT 3.50/12/90G 3.2SN BK BX | 1289300000 I.6 | S2L 3.50/24/180F 3.5SN OR BX | 1729520000 I.17 | SC 3.81/12/135F 3.2SN OR BX | 1976840000 J.31 | SC-SMT 3.81/07/90LF 1.5SN BK RL | 1862830000 J.9 |
| S2C-SMT 3.50/12/90LF 1.5SN BK RL | 1359130000 I.7 | S2L 3.50/24/180G 3.5SN OR BX | 1728880000 I.16 | SC 3.81/12/135G 3.2SN OR BX | 1975960000 J.30 | SC-SMT 3.81/07/90LF 3.2SN BK BX | 1863740000 J.9 |
| S2C-SMT 3.50/12/90LF 3.2SN BK BX | 1289490000 1.7 | S2L 3.50/24/90F 3.5SN OR BX | 1728560000 I.15 1727920000 I.14 | SC 3.81/12/180F 3.2SN OR BX | 1943280000 J.29 | SC-SMT 3.81/08/135G 3.2SN BK BX | 1977690000 J.12 1978140000 J.13 |
| S2C-SMT 3.50/14/180G 1.5SN BK RL S2C-SMT 3.50/14/180G 3.5SN BK BX | 1358940000 I.9 1290080000 I.8 | S2L 3.50/24/90G 3.5SN OR BX S2L/S2C 3.5 FLA 20/10 | 1727920000 I.14 1699580000 I.14 | SC 3.81/12/180G 3.2SN OR BX SC 3.81/12/270F 3.2SN OR BX | 1942940000 J.28 1038160000 J.33 | SC-SMT 3.81/08/135LF 3.2SN BK BX SC-SMT 3.81/08/180G 1.5SN BK RL | 1978140000 J.13 1864330000 J.11 |
| S2C-SMT 3.50/14/180LF 1.5SN BK RL | 1358690000 I.9 | S2L/S2C 3.5 FLA 20/10 | 1699580000 M.8 | SC 3.81/12/270G 3.2SN OR BX | 1037610000 J.32 | SC-SMT 3.81/08/180G 3.2SN BK BX | 1863240000 J.10 |
| S2C-SMT 3.50/14/180LF 3.5SN BK BX | 1290270000 I.9 | S2L/S2C 3.5 FLA 20/10 SMD | 1814590000 I.6 | SC 3.81/12/90F 3.2SN OR BX | 1942550000 J.27 | SC-SMT 3.81/08/180LF 1.5SN BK RL | 1864280000 J.11 |
| S2C-SMT 3.50/14/90G 1.5SN BK RL | 1359630000 I.7 | S2L/S2C 3.5 FLA 20/10 SMD | 1814590000 M.8 | SC 3.81/12/90G 3.2SN OR BX | 1942170000 J.26 | SC-SMT 3.81/08/180LF 3.2SN BK BX | 1863340000 J.11 |
| S2C-SMT 3.50/14/90G 3.2SN BK BX S2C-SMT 3.50/14/90LF 1.5SN BK RL | 1289310000 I.6 1359140000 I.7 | SAMPLE LP CH20M PPP SAMPLE LP CH20M PPX | 1317200000 S.13 1105580000 S.13 | SC-SMT 3.81 KO GY BX SC-SMT 3.81 KO GY BX | 1968900000 J.10 1968900000 J.12 | SC-SMT 3.81/08/270F 3.2SN BK BX SC-SMT 3.81/08/270G 3.2SN BK BX | 1037060000 J.15 1036550000 J.14 |
| S2C-SMT 3.50/14/90LF 3.2SN BK BX | 1289500000 1.7 | SAMPLE LP CH20M6 | 1171090000 S.13 | SC-SMT 3.81 K0 GY BX | 1968900000 J.14 | SC-SMT 3.81/08/90G 1.5SN BK RL | 1863200000 J.9 |
| S2C-SMT 3.50/16/180G 1.5SN BK RL | 1358970000 I.9 | SC 3.81 FLA 1.5/14.25 | 1979730000 J.26 | SC-SMT 3.81 KO GY BX | 1968900000 J.16 | SC-SMT 3.81/08/90G 3.2SN BK BX | 1862530000 J.8 |
| S2C-SMT 3.50/16/180G 3.5SN BK BX | 1290090000 I.8 | SC 3.81 FLA 1.5/14.25 | 1979730000 M.9 | SC-SMT 3.81 KO GY BX | 1968900000 J.18 | SC-SMT 3.81/08/90LF 1.5SN BK RL | 1862850000 J.9 |
| S2C-SMT 3.50/16/180LF 1.5SN BK RL | 1358700000 1.9 | SC 3.81 FLA 1.5/16 | 1979720000 J.26 | SC-SMT 3.81 K0 GY BX | 1968900000 J.20 | SC-SMT 3.81/08/90LF 3.2SN BK BX | 1863760000 J.9 |
| S2C-SMT 3.50/16/180LF 3.5SN BK BX S2C-SMT 3.50/16/90G 1.5SN BK RL | 1290280000 I.9 1359640000 I.7 | SC 3.81 FLA 1.5/16 SC 3.81 FLA 2.3/14.25 | 1979720000 M.9 1979750000 J.26 | SC-SMT 3.81 KO GY BX SC-SMT 3.81 KO GY BX | 1968900000 J.22 1968900000 J.24 | SC-SMT 3.81/09/135G 3.2SN BK BX SC-SMT 3.81/09/135LF 3.2SN BK BX | 1977700000 J.12 1978150000 J.13 |
| S2C-SMT 3.50/16/90G 3.2SN BK BX | 1289320000 I.6 | SC 3.81 FLA 2.3/14.25 | 1979750000 M.9 | SC-SMT 3.81 K0 GY BX | 1968900000 J.26 | SC-SMT 3.81/09/180G 1.5SN BK RL | 1864340000 J.11 |
| S2C-SMT 3.50/16/90LF 1.5SN BK RL | 1359150000 I.7 | SC 3.81 FLA 2.3/16 | 1979740000 J.26 | SC-SMT 3.81 KO GY BX | 1968900000 J.28 | SC-SMT 3.81/09/180G 3.2SN BK BX | 1863270000 J.10 |
| S2C-SMT 3.50/16/90LF 3.2SN BK BX | 1289510000 I.7 | SC 3.81 FLA 2.3/16 | 1979740000 M.9 | SC-SMT 3.81 KO GY BX | 1968900000 J.30 | SC-SMT 3.81/09/180LF 3.2SN BK BX | 1863360000 J.11 |
| S2C-SMT 3.50/18/180G 1.5SN BK RL S2C-SMT 3.50/18/180G 3.5SN BK BX | 1358990000 I.9 1290110000 I.8 | SC 3.81/02/135F 3.2SN OR BX | 1976740000 J.31 1975720000 J.30 | SC-SMT 3.81 KO GY BX SC-SMT 3.81 KO GY BX | 1968900000 J.32 | SC-SMT 3.81/09/270F 3.2SN BK BX | 1037070000 J.15 |
| S2C-SMT 3.50/16/160d 3.53N BK BX | 1290110000 I.8 1358710000 I.9 | SC 3.81/02/135G 3.2SN OR BX SC 3.81/02/180F 3.2SN OR BX | 1975720000 J.30 1943180000 J.29 | SC-SMT 3.81 KO GY BX | 1968900000 J.34 1968900000 J.36 | SC-SMT 3.81/09/270G 3.2SN BK BX SC-SMT 3.81/09/90G 1.5SN BK RL | 1036560000 J.14 1863210000 J.9 |
| S2C-SMT 3.50/18/180LF 3.5SN BK BX | 1290290000 I.9 | SC 3.81/02/180G 3.2SN OR BX | 1942840000 J.28 | SC-SMT 3.81 K0 GY BX | 1968900000 J.38 | SC-SMT 3.81/09/90G 3.2SN BK BX | 1862540000 J.8 |
| S2C-SMT 3.50/18/90G 1.5SN BK RL | 1359650000 I.7 | SC 3.81/02/270F 3.2SN OR BX | 1038040000 J.33 | SC-SMT 3.81 KO GY BX | 1968900000 J.40 | SC-SMT 3.81/09/90LF 3.2SN BK BX | 1863770000 J.9 |
| S2C-SMT 3.50/18/90G 3.2SN BK BX S2C-SMT 3.50/18/90LF 1.5SN BK RL | 1289330000 I.6 | SC 3.81/02/270G 3.2SN OR BX | 1037490000 J.32 | SC-SMT 3.81 KO GY BX | 1968900000 J.42 | SC-SMT 3.81/10/135G 3.2SN BK BX | 1977710000 J.12 |
| S2C-SMT 3.50/18/90LF 1.5SN BK RL S2C-SMT 3.50/18/90LF 3.2SN BK BX | 1359160000 I.7 1289520000 I.7 | SC 3.81/02/90F 3.2SN OR BX SC 3.81/02/90G 3.2SN OR BX | 1942450000 J.27 1942020000 J.26 | SC-SMT 3.81 KO GY BX SC-SMT 3.81 KO GY BX | 1968900000 J.44 1968900000 J.46 | SC-SMT 3.81/10/135LF 3.2SN BK BX SC-SMT 3.81/10/180G 1.5SN BK RL | 1978160000 J.13 1864350000 J.11 |
| S2C-SMT 3.50/20/180G 1.5SN BK RL | 1359020000 I.9 | SC 3.81/03/135F 3.2SN OR BX | 1976750000 J.31 | SC-SMT 3.81 KO WT BX | 2467670000 M.10 | SC-SMT 3.81/10/180G 3.2SN BK BX | 1863290000 J.10 |
| S2C-SMT 3.50/20/180G 3.5SN BK BX | 1290120000 I.8 | SC 3.81/03/135G 3.2SN OR BX | 1975770000 J.30 | SC-SMT 3.81/02/135G 3.2SN BK BX | 1977200000 J.12 | SC-SMT 3.81/10/180LF 3.2SN BK BX | 1863380000 J.11 |
| S2C-SMT 3.50/20/180LF 1.5SN BK RL | 1358720000 I.9 | SC 3.81/03/180F 3.2SN OR BX SC 3.81/03/180G 3.2SN OR BX | 1943190000 J.29 1942850000 J.28 | SC-SMT 3.81/02/135LF 3.2SN BK BX | 1978080000 J.13 | SC-SMT 3.81/10/270F 3.2SN BK BX | 1037080000 J.15 |
| S2C-SMT 3.50/20/180LF 3.5SN BK BX S2C-SMT 3.50/20/90G 1.5SN BK RL | 1290310000 I.9 1359670000 I.7 | SC 3.81/03/270F 3.2SN OR BX | 1942850000 J.28 1038050000 J.33 | SC-SMT 3.81/02/180G 1.5SN BK RL SC-SMT 3.81/02/180G 3.2SN BK BX | 1864050000 J.11 1862920000 J.10 | SC-SMT 3.81/10/270G 3.2SN BK BX SC-SMT 3.81/10/90G 1.5SN BK RL | 1036570000 J.14 1863220000 J.9 |
| S2C-SMT 3.50/20/90G 3.2SN BK BX | 1289340000 I.6 | SC 3.81/03/270G 3.2SN OR BX | 1037510000 J.32 | SC-SMT 3.81/02/180LF 1.5SN BK RL | 1864220000 J.11 | SC-SMT 3.81/10/90G 3.2SN BK BX | 1862550000 J.8 |
| S2C-SMT 3.50/20/90LF 1.5SN BK RL | 1359170000 I.7 | SC 3.81/03/90F 3.2SN OR BX | 1942460000 J.27 | SC-SMT 3.81/02/180LF 3.2SN BK BX | 1863230000 J.11 | SC-SMT 3.81/10/90LF 3.2SN BK BX | 1863790000 J.9 |
| S2C-SMT 3.50/20/90LF 3.2SN BK BX | 1289530000 I.7 | SC 3.81/03/90G 3.2SN OR BX | 1942040000 J.26 | SC-SMT 3.81/02/270F 3.2SN BK BX | 1036990000 J.15 | SC-SMT 3.81/11/135G 3.2SN BK BX | 1977720000 J.12 |
| S2C-SMT 3.50/22/180G 1.5SN BK RL | 1359040000 I.9 1290130000 I.8 | SC 3.81/04/135F 3.2SN OR BX | 1976760000 J.31 1975800000 J.30 | SC-SMT 3.81/02/270G 3.2SN BK BX SC-SMT 3.81/02/90G 1.5SN BK RL | 1036480000 J.14 1863140000 J.9 | SC-SMT 3.81/11/135LF 3.2SN BK BX SC-SMT 3.81/11/180G 3.2SN BK BX | 1978170000 J.13 1863320000 J.10 |
| S2C-SMT 3.50/22/180G 3.5SN BK BX S2C-SMT 3.50/22/180LF 3.5SN BK BX | 1290320000 I.9 | SC 3.81/04/135G 3.2SN OR BX SC 3.81/04/180F 3.2SN OR BX | 1975800000 J.30 1943200000 J.29 | SC-SMT 3.81/02/90G 3.2SN BK BX | 1863140000 J.9 1862460000 J.8 | SC-SMT 3.81/11/180LF 3.2SN BK BX | 1863390000 J.11 |
| S2C-SMT 3.50/22/90G 1.5SN BK RL | 1359680000 I.7 | SC 3.81/04/180G 3.2SN OR BX | 1942860000 J.28 | SC-SMT 3.81/02/90LF 1.5SN BK RL | 1862720000 J.9 | SC-SMT 3.81/11/270F 3.2SN BK BX | 1037090000 J.15 |
| S2C-SMT 3.50/22/90G 3.2SN BK BX | 1289350000 I.6 | SC 3.81/04/270F 3.2SN OR BX | 1038060000 J.33 | SC-SMT 3.81/02/90LF 3.2SN BK BX | 1863670000 J.9 | SC-SMT 3.81/11/270G 3.2SN BK BX | 1036580000 J.14 |
| S2C-SMT 3.50/22/90LF 3.2SN BK BX | 1289540000 1.7 | SC 3.81/04/270G 3.2SN OR BX | 1037520000 J.32 | SC-SMT 3.81/03/135G 3.2SN BK BX | 1977210000 J.12 | SC-SMT 3.81/11/90G 3.2SN BK BX | 1862570000 J.8 |
| S2C-SMT 3.50/24/180G 1.5SN BK RL S2C-SMT 3.50/24/180G 3.5SN BK BX | 1359060000 I.9 1290140000 I.8 | SC 3.81/04/90F 3.2SN OR BX SC 3.81/04/90G 3.2SN OR BX | 1942470000 J.27 1942070000 J.26 | SC-SMT 3.81/03/135LF 3.2SN BK BX SC-SMT 3.81/03/180G 1.5SN BK RL | 1978090000 J.13 1864060000 J.11 | SC-SMT 3.81/11/90LF 3.2SN BK BX SC-SMT 3.81/12/135G 3.2SN BK BX | 1863810000 J.9 1977730000 J.12 |
| S2C-SMT 3.50/24/180LF 3.5SN BK BX | 1290330000 I.9 | SC 3.81/05/135F 3.2SN OR BX | 1976770000 J.31 | SC-SMT 3.81/03/180G 3.2SN BK BX | 1862940000 J.10 | SC-SMT 3.81/12/135LF 3.2SN BK BX | 1978180000 J.13 |
| S2C-SMT 3.50/24/90G 1.5SN BK RL | 1359690000 I.7 | SC 3.81/05/135G 3.2SN OR BX | 1975810000 J.30 | SC-SMT 3.81/03/180LF 1.5SN BK RL | 1864230000 J.11 | SC-SMT 3.81/12/180G 3.2SN BK BX | 1863330000 J.10 |
| S2C-SMT 3.50/24/90G 3.2SN BK BX | 1289370000 I.6 | SC 3.81/05/180F 3.2SN OR BX | 1943210000 J.29 | SC-SMT 3.81/03/180LF 3.2SN BK BX | 1863250000 J.11 | SC-SMT 3.81/12/180LF 3.2SN BK BX | 1863410000 J.11 |
| S2C-SMT 3.50/24/90LF 3.2SN BK BX S2CD-THR 3.50/08/90G 3.2SN BK BX | 1289550000 I.7 1357790000 I.10 | SC 3.81/05/180G 3.2SN OR BX SC 3.81/05/270F 3.2SN OR BX | 1942870000 J.28 1038070000 J.33 | SC-SMT 3.81/03/270F 3.2SN BK BX SC-SMT 3.81/03/270G 3.2SN BK BX | 1037010000 J.15 1036490000 J.14 | SC-SMT 3.81/12/270F 3.2SN BK BX SC-SMT 3.81/12/270G 3.2SN BK BX | 1037110000 J.15 1036590000 J.14 |
| S2CD-THR 3.50/08/90LF 3.2SN BK BX | 1357890000 I.11 | SC 3.81/05/270G 3.2SN OR BX | 1037530000 J.32 | SC-SMT 3.81/03/90G 1.5SN BK RL | 1863150000 J.14 | SC-SMT 3.81/12/90G 3.2SN BK BX | 1862730000 J.8 |
| S2CD-THR 3.50/12/90G 3.2SN BK BX | 1357800000 I.10 | SC 3.81/05/90F 3.2SN OR BX | 1942480000 J.27 | SC-SMT 3.81/03/90G 3.2SN BK BX | 1862480000 J.8 | SC-SMT 3.81/12/90LF 3.2SN BK BX | 1863820000 J.9 |
| S2CD-THR 3.50/12/90LF 3.2SN BK BX | 1357900000 I.11 | SC 3.81/05/90G 3.2SN OR BX | 1942090000 J.26 | SC-SMT 3.81/03/90LF 1.5SN BK RL | 1862750000 J.9 | SCD 3.81/04/180F 3.2SN OR BX | 1030440000 J.37 |
| S2CD-THR 3.50/16/90G 3.2SN BK BX | 1357820000 I.10 | SC 3.81/06/135F 3.2SN OR BX | 1976780000 J.31 | SC-SMT 3.81/03/90LF 3.2SN BK BX | 1863680000 J.9 | SCD 3.81/04/180G 3.2SN OR BX | 1029920000 J.36 |
| S2CD-THR 3.50/16/90LF 3.2SN BK BX S2CD-THR 3.50/20/90G 3.2SN BK BX | 1357920000 I.11 1357830000 I.10 | SC 3.81/06/135G 3.2SN OR BX SC 3.81/06/180F 3.2SN OR BX | 1975880000 J.30 1943220000 J.29 | SC-SMT 3.81/04/135G 3.2SN BK BX SC-SMT 3.81/04/135LF 3.2SN BK BX | 1977220000 J.12 1978100000 J.13 | SCD 3.81/04/90F 3.2SN OR BX SCD 3.81/04/90G 3.2SN OR BX | 1973260000 J.35 1972790000 J.34 |
| S2CD-THR 3.50/20/90LF 3.2SN BK BX | 1357930000 I.11 | SC 3.81/06/180G 3.2SN OR BX | 1942880000 J.28 | SC-SMT 3.81/04/180G 1.5SN BK RL | 1864290000 J.11 | SCD 3.81/06/180F 3.2SN OR BX | 1030450000 J.37 |
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| SCD 3.81/06/180G 3.2SN OR BX | 1029940000 J.36 | SCDN 3.81/20/90F 3.2SN OR BX | 1041040000 J.39 | SCDV-THR 3.81/16/90G 3.2SN BK BX | 1033560000 J.22 | SCZ 3.81/12/180LRZE SN OR BX | 2444280000 J.47 |
| SCD 3.81/06/90F 3.2SN OR BX SCD 3.81/06/90G 3.2SN OR BX | 1973270000 J.35 1972800000 J.34 | SCDN 3.81/20/90G 3.2SN OR BX SCDN 3.81/22/90F 3.2SN OR BX | 1040510000 J.38 1041050000 J.39 | SCDV-THR 3.81/18/180F 3.2SN BK BX SCDV-THR 3.81/18/180G 3.2SN BK BX | 1036030000 J.25 1035550000 J.24 | SDIK PZ2 X 100 | 2749930000 N.18 2749930000 N.19 |
| SCD 3.81/08/180F 3.2SN OR BX | 1972800000 J.34 1030460000 J.37 | SCDN 3.81/22/90G 3.2SN OR BX | 1041050000 J.38 | SCDV-THR 3.81/18/90F 3.2SN BK BX | 1035550000 J.24 1034050000 J.23 | SDIK PZ2 X 100 SDIK PZ2 X 100 | 2749930000 N.19 |
| SCD 3.81/08/180G 3.2SN OR BX | 1029950000 J.36 | SCDN 3.81/24/90F 3.2SN OR BX | 1041060000 J.39 | SCDV-THR 3.81/18/90G 3.2SN BK BX | 1033570000 J.22 | SDIK PZ2 X 100 | 2749930000 N.21 |
| SCD 3.81/08/90F 3.2SN OR BX SCD 3.81/08/90G 3.2SN OR BX | 1973280000 J.35 1972810000 J.34 | SCDN 3.81/24/90G 3.2SN OR BX SCDN-THR 3.81/04/90F 3.2SN BK BX | 1040530000 J.38 1039440000 J.21 | SCDV-THR 3.81/20/180F 3.2SN BK BX SCDV-THR 3.81/20/180G 3.2SN BK BX | 1036040000 J.25 1035560000 J.24 | SDIK PZ2 X 100 SDIK PZ2 X 100 | 2749930000 N.22 2749930000 N.24 |
| SCD 3.81/10/180F 3.2SN OR BX | 1030470000 J.37 | SCDN-THR 3.81/04/90G 3.2SN BK BX | 1038950000 J.20 | SCDV-THR 3.81/20/90F 3.2SN BK BX | 1034060000 J.23 | SDIK PZ2 X 100 | 2749930000 0.80 |
| SCD 3.81/10/180G 3.2SN OR BX | 1029960000 J.36 | SCDN-THR 3.81/06/90F 3.2SN BK BX | 1039450000 J.21 | SCDV-THR 3.81/20/90G 3.2SN BK BX | 1033580000 J.22 | SDIK PZ2 X 100 | 2749930000 0.82 |
| SCD 3.81/10/90F 3.2SN OR BX SCD 3.81/10/90G 3.2SN OR BX | 1973290000 J.35 1972820000 J.34 | SCDN-THR 3.81/06/90G 3.2SN BK BX SCDN-THR 3.81/08/90F 3.2SN BK BX | 1038960000 J.20 1039460000 J.21 | SCDV-THR 3.81/22/180F 3.2SN BK BX SCDV-THR 3.81/22/180G 3.2SN BK BX | 1036050000 J.25 1035570000 J.24 | SDIK PZ2 X 100 SDIK PZ2 X 100 | 2749930000 0.84 2749930000 0.86 |
| SCD 3.81/12/180F 3.2SN OR BX | 1030480000 J.37 | SCDN-THR 3.81/08/90G 3.2SN BK BX | 1038970000 J.20 | SCDV-THR 3.81/22/90F 3.2SN BK BX | 1034070000 J.23 | SDIK PZ2 X 100 | 2749930000 0.88 |
| SCD 3.81/12/180G 3.2SN OR BX | 1029970000 J.36 | SCDN-THR 3.81/10/90F 3.2SN BK BX | 1039520000 J.21 | SCDV-THR 3.81/22/90G 3.2SN BK BX | 1033590000 J.22 | SDIK PZ2 X 100 | 2749930000 0.90 |
| SCD 3.81/12/90F 3.2SN OR BX SCD 3.81/12/90G 3.2SN OR BX | 1973300000 J.35 1972830000 J.34 | SCDN-THR 3.81/10/90G 3.2SN BK BX SCDN-THR 3.81/12/90F 3.2SN BK BX | 1038980000 J.20 1039530000 J.21 | SCDV-THR 3.81/24/180F 3.2SN BK BX SCDV-THR 3.81/24/180G 3.2SN BK BX | 1036060000 J.25 1035580000 J.24 | SDIK PZ2 X 100 SDIK PZ2 X 100 | 2749930000 0.92 2749930000 0.220 |
| SCD 3.81/14/180F 3.2SN OR BX | 1030490000 J.37 | SCDN-THR 3.81/12/90G 3.2SN BK BX | 1038990000 J.20 | SCDV-THR 3.81/24/90F 3.2SN BK BX | 1034080000 J.23 | SDIK PZ2 X 100 | 2749930000 0.222 |
| SCD 3.81/14/180G 3.2SN OR BX SCD 3.81/14/90F 3.2SN OR BX | 1029980000 J.36 1973310000 J.35 | SCDN-THR 3.81/14/90F 3.2SN BK BX SCDN-THR 3.81/14/90G 3.2SN BK BX | 1039540000 J.21 1039010000 J.20 | SCDV-THR 3.81/24/90G 3.2SN BK BX SCT 4.6/127 C | 1033600000 J.22 1699800000 0.40 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 F.18 2749790000 F.19 |
| SCD 3.81/14/90G 3.2SN OR BX | 1972840000 J.34 | SCDN-THR 3.81/16/90F 3.2SN BK BX | 1039550000 J.21 | SCT 4.6/127 C | 1699800000 0.42 | SDIS 0.4X2.5X75 | 2749790000 F.19 |
| SCD 3.81/16/180F 3.2SN OR BX | 1030510000 J.37 | SCDN-THR 3.81/16/90G 3.2SN BK BX | 1039020000 J.20 | SCT 4.6/127 C | 1699800000 0.46 | SDIS 0.4X2.5X75 | 2749790000 F.21 |
| SCD 3.81/16/180G 3.2SN OR BX SCD 3.81/16/90F 3.2SN OR BX | 1029990000 J.36 1973320000 J.35 | SCDN-THR 3.81/18/90F 3.2SN BK BX SCDN-THR 3.81/18/90G 3.2SN BK BX | 1039560000 J.21 1039030000 J.20 | SCZ 3.81/02/180F SN OR BX SCZ 3.81/02/180FI SN OR BX | 1970910000 J.45 1970260000 J.45 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 F.46 2749790000 F.48 |
| SCD 3.81/16/90G 3.2SN OR BX | 1972850000 J.34 | SCDN-THR 3.81/20/90F 3.2SN BK BX | 1039570000 J.21 | SCZ 3.81/02/180G SN OR BX | 1969520000 J.44 | SDIS 0.4X2.5X75 | 2749790000 F.50 |
| SCD 3.81/18/180F 3.2SN OR BX | 1030520000 J.37 | SCDN-THR 3.81/20/90G 3.2SN BK BX | 1039040000 J.20 | SCZ 3.81/02/180LR SN OR BX | 2442050000 J.45 | SDIS 0.4X2.5X75 | 2749790000 F.52 |
| SCD 3.81/18/180G 3.2SN OR BX SCD 3.81/18/90F 3.2SN OR BX | 1030010000 J.36 1973330000 J.35 | SCDN-THR 3.81/22/90F 3.2SN BK BX SCDN-THR 3.81/22/90G 3.2SN BK BX | 1039580000 J.21 1039050000 J.20 | SCZ 3.81/03/180F SN OR BX SCZ 3.81/03/180FI SN OR BX | 1970920000 J.45 1970270000 J.45 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 F.54 2749790000 F.56 |
| SCD 3.81/18/90G 3.2SN OR BX | 1972860000 J.34 | SCDN-THR 3.81/24/90F 3.2SN BK BX | 1039590000 J.21 | SCZ 3.81/03/180G SN OR BX | 1969540000 J.44 | SDIS 0.4X2.5X75 | 2749790000 F.58 |
| SCD 3.81/20/180F 3.2SN OR BX SCD 3.81/20/180G 3.2SN OR BX | 1030530000 J.37 1030020000 J.36 | SCDN-THR 3.81/24/90G 3.2SN BK BX SCDV 3.81/04/180F 3.2SN OR BX | 1039060000 J.20 1034980000 J.43 | SCZ 3.81/03/180LR SN OR BX SCZ 3.81/04/180F SN OR BX | 2444060000 J.45 1970930000 J.45 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 F.60 2749790000 F.62 |
| SCD 3.81/20/90F 3.2SN OR BX | 1973340000 J.35 | SCDV 3.81/04/180G 3.2SN OR BX | 1034470000 J.42 | SCZ 3.81/04/180FI SN OR BX | 1970310000 J.45 | SDIS 0.4X2.5X75 | 2749790000 F.64 |
| SCD 3.81/20/90G 3.2SN OR BX | 1972870000 J.34 | SCDV 3.81/04/90F 3.2SN OR BX | 1032580000 J.41 | SCZ 3.81/04/180FIZE SN OR BX | 1237550000 J.47 | SDIS 0.4X2.5X75 | 2749790000 F.66 |
| SCD 3.81/22/180F 3.2SN OR BX SCD 3.81/22/180G 3.2SN OR BX | 1030540000 J.37 1030030000 J.36 | SCDV 3.81/04/90G 3.2SN OR BX SCDV 3.81/06/180F 3.2SN OR BX | 1032090000 J.40 1034990000 J.43 | SCZ 3.81/04/180FZE SN OR BX SCZ 3.81/04/180G SN OR BX | 1237120000 J.47 1969560000 J.44 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 F.68 2749790000 F.70 |
| SCD 3.81/22/90F 3.2SN OR BX | 1973350000 J.35 | SCDV 3.81/06/180G 3.2SN OR BX | 1034490000 J.42 | SCZ 3.81/04/180GZE SN OR BX | 1237000000 J.46 | SDIS 0.4X2.5X75 | 2749790000 F.72 |
| SCD 3.81/22/90G 3.2SN OR BX | 1972880000 J.34 | SCDV 3.81/06/90F 3.2SN OR BX | 1032590000 J.41 | SCZ 3.81/04/180LR SN OR BX | 2444090000 J.45 | SDIS 0.4X2.5X75 | 2749790000 F.74 |
| SCD 3.81/24/180F 3.2SN OR BX SCD 3.81/24/180G 3.2SN OR BX | 1030550000 J.37 1030040000 J.36 | SCDV 3.81/06/90G 3.2SN OR BX SCDV 3.81/08/180F 3.2SN OR BX | 1032110000 J.40 1035010000 J.43 | SCZ 3.81/04/180LRZE SN OR BX SCZ 3.81/05/180F SN OR BX | 2444240000 J.47 1970940000 J.45 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 F.76 2749790000 F.78 |
| SCD 3.81/24/90F 3.2SN OR BX | 1973360000 J.35 | SCDV 3.81/08/180G 3.2SN OR BX | 1034510000 J.42 | SCZ 3.81/05/180FI SN OR BX | 1970320000 J.45 | SDIS 0.4X2.5X75 | 2749790000 F.80 |
| SCD 3.81/24/90G 3.2SN OR BX | 1972890000 J.34 | SCDV 3.81/08/90F 3.2SN OR BX | 1032600000 J.41 | SCZ 3.81/05/180FIZE SN OR BX | 1237560000 J.47 | SDIS 0.4X2.5X75 | 2749790000 F.82 |
| SCD-THR 3.81/04/180F 3.2SN BK BX SCD-THR 3.81/04/180G 3.2SN BK BX | 1031460000 J.19 1030950000 J.18 | SCDV 3.81/08/90G 3.2SN OR BX SCDV 3.81/10/180F 3.2SN OR BX | 1032120000 J.40 1035020000 J.43 | SCZ 3.81/05/180FZE SN OR BX SCZ 3.81/05/180G SN OR BX | 1237130000 J.47 1969570000 J.44 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 F.84 2749790000 F.86 |
| SCD-THR 3.81/04/90F 3.2SN BK BX | 1974180000 J.17 | SCDV 3.81/10/180G 3.2SN OR BX | 1034520000 J.42 | SCZ 3.81/05/180GZE SN OR BX | 1237010000 J.46 | SDIS 0.4X2.5X75 | 2749790000 F.96 |
| SCD-THR 3.81/04/90G 3.2SN BK BX SCD-THR 3.81/06/180F 3.2SN BK BX | 1973730000 J.16 1031470000 J.19 | SCDV 3.81/10/90F 3.2SN OR BX SCDV 3.81/10/90G 3.2SN OR BX | 1032610000 J.41 1032130000 J.40 | SCZ 3.81/05/180LR SN OR BX SCZ 3.81/05/180LRZE SN OR BX | 2444100000 J.45 2444220000 J.47 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 I.48 2749790000 I.50 |
| SCD-THR 3.81/06/180G 3.2SN BK BX | 1030960000 J.18 | SCDV 3.81/12/180F 3.2SN OR BX | 1035030000 J.43 | SCZ 3.81/06/180F SN OR BX | 1970960000 J.45 | SDIS 0.4X2.5X75 | 2749790000 I.54 |
| SCD-THR 3.81/06/90F 3.2SN BK BX | 1974190000 J.17 | SCDV 3.81/12/180G 3.2SN OR BX | 1034530000 J.42 | SCZ 3.81/06/180FI SN OR BX | 1970340000 J.45 | SDIS 0.4X2.5X75 | 2749790000 I.56 |
| SCD-THR 3.81/06/90G 3.2SN BK BX SCD-THR 3.81/08/180F 3.2SN BK BX | 1973740000 J.16 1031490000 J.19 | SCDV 3.81/12/90F 3.2SN OR BX SCDV 3.81/12/90G 3.2SN OR BX | 1032620000 J.41 1032140000 J.40 | SCZ 3.81/06/180FIZE SN OR BX SCZ 3.81/06/180FZE SN OR BX | 1237570000 J.47 1237140000 J.47 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 I.58 2749790000 I.60 |
| SCD-THR 3.81/08/180G 3.2SN BK BX | 1030970000 J.18 | SCDV 3.81/14/180F 3.2SN OR BX | 1035040000 J.43 | SCZ 3.81/06/180G SN OR BX | 1969580000 J.44 | SDIS 0.4X2.5X75 | 2749790000 J.44 |
| SCD-THR 3.81/08/90F 3.2SN BK BX | 1974200000 J.17 | SCDV 3.81/14/180G 3.2SN OR BX | 1034540000 J.42 | SCZ 3.81/06/180GZE SN OR BX | 1237020000 J.46 | SDIS 0.4X2.5X75 | 2749790000 J.46 |
| SCD-THR 3.81/08/90G 3.2SN BK BX SCD-THR 3.81/10/180F 3.2SN BK BX | 1973750000 J.16 1031510000 J.19 | SCDV 3.81/14/90F 3.2SN OR BX SCDV 3.81/14/90G 3.2SN OR BX | 1032630000 J.41 1032150000 J.40 | SCZ 3.81/06/180LR SN OR BX SCZ 3.81/06/180LRZE SN OR BX | 2444110000 J.45 2444270000 J.47 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 J.48 2749790000 J.50 |
| SCD-THR 3.81/10/180G 3.2SN BK BX | 1030980000 J.18 | SCDV 3.81/16/180F 3.2SN OR BX | 1035050000 J.43 | SCZ 3.81/07/180F SN OR BX | 1970970000 J.45 | SDIS 0.4X2.5X75 | 2749790000 J.52 |
| SCD-THR 3.81/10/90F 3.2SN BK BX SCD-THR 3.81/10/90G 3.2SN BK BX | 1974210000 J.17 1973760000 J.16 | SCDV 3.81/16/180G 3.2SN OR BX SCDV 3.81/16/90F 3.2SN OR BX | 1034550000 J.42 1032640000 J.41 | SCZ 3.81/07/180FI SN OR BX SCZ 3.81/07/180FIZE SN OR BX | 1970350000 J.45 1237580000 J.47 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 2749790000 J.54 2749790000 J.56 |
| SCD-THR 3.81/12/180F 3.2SN BK BX | 1031520000 J.19 | SCDV 3.81/16/90G 3.2SN OR BX | 1032160000 J.40 | SCZ 3.81/07/180FZE SN OR BX | 1237170000 J.47 | SDIS 0.4X2.5X75 | 2749790000 M.15 |
| SCD-THR 3.81/12/180G 3.2SN BK BX | 1030990000 J.18 | SCDV 3.81/18/180F 3.2SN OR BX | 1035060000 J.43 | SCZ 3.81/07/180G SN OR BX | 1969590000 J.44 | SDIS 0.4X2.5X75 | 2749790000 R.5 |
| SCD-THR 3.81/12/90F 3.2SN BK BX SCD-THR 3.81/12/90G 3.2SN BK BX | 1974220000 J.17 1973770000 J.16 | SCDV 3.81/18/180G 3.2SN OR BX SCDV 3.81/18/90F 3.2SN OR BX | 1034560000 J.42 1032650000 J.41 | SCZ 3.81/07/180GZE SN OR BX SCZ 3.81/07/180LR SN OR BX | 1237030000 J.46 2444120000 J.45 | SDIS 0.4X2.5X75 SDIS 0.5X3.0X100 | 2749790000 S.57 2749800000 M.15 |
| SCD-THR 3.81/14/180F 3.2SN BK BX | 1031530000 J.19 | SCDV 3.81/18/90G 3.2SN OR BX | 1032170000 J.40 | SCZ 3.81/07/180LRZE SN OR BX | 2444200000 J.47 | SDIS 0.5X3.0X100 | 2749800000 N.26 |
| SCD-THR 3.81/14/180G 3.2SN BK BX | 1031010000 J.18 | SCDV 3.81/20/180F 3.2SN OR BX | 1035070000 J.43 | SCZ 3.81/08/180F SN OR BX | 1970980000 J.45 | SDIS 0.5X3.0X100 | 2749800000 N.27 |
| SCD-THR 3.81/14/90F 3.2SN BK BX SCD-THR 3.81/14/90G 3.2SN BK BX | 1974230000 J.17 1973780000 J.16 | SCDV 3.81/20/180G 3.2SN OR BX SCDV 3.81/20/90F 3.2SN OR BX | 1034570000 J.42 1032660000 J.41 | SCZ 3.81/08/180FI SN OR BX SCZ 3.81/08/180FIZE SN OR BX | 1970360000 J.45 1237590000 J.47 | SDIS 0.5X3.0X100 SDIS 0.5X3.0X100 | 2749800000 0.122 2749800000 R.5 |
| SCD-THR 3.81/16/180F 3.2SN BK BX | 1031540000 J.19 | SCDV 3.81/20/90G 3.2SN OR BX | 1032190000 J.40 | SCZ 3.81/08/180FZE SN OR BX | 1237180000 J.47 | SDIS 0.5X3.0X100 | 2749800000 S.57 |
| SCD-THR 3.81/16/180G 3.2SN BK BX SCD-THR 3.81/16/90F 3.2SN BK BX | 1031020000 J.18 1974240000 J.17 | SCDV 3.81/22/180F 3.2SN OR BX SCDV 3.81/22/180G 3.2SN OR BX | 1035080000 J.43 1034580000 J.42 | SCZ 3.81/08/180G SN OR BX SCZ 3.81/08/180GZE SN OR BX | 1969610000 J.44 1237040000 J.46 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 F.22 2749810000 F.24 |
| SCD-THR 3.81/16/90G 3.2SN BK BX | 1973790000 J.16 | SCDV 3.81/22/90F 3.2SN OR BX | 1034500000 J.41 | SCZ 3.81/08/180LR SN OR BX | 2444130000 J.45 | SDIS 0.6X3.5X100 | 2749810000 F.26 |
| SCD-THR 3.81/18/180F 3.2SN BK BX | 1031560000 J.19 | SCDV 3.81/22/90G 3.2SN OR BX | 1032200000 J.40 | SCZ 3.81/08/180LRZE SN OR BX | 2444260000 J.47 | SDIS 0.6X3.5X100 | 2749810000 F.28 |
| SCD-THR 3.81/18/180G 3.2SN BK BX SCD-THR 3.81/18/90F 3.2SN BK BX | 1031030000 J.18 1974250000 J.17 | SCDV 3.81/24/180F 3.2SN OR BX SCDV 3.81/24/180G 3.2SN OR BX | 1035090000 J.43 1034590000 J.42 | SCZ 3.81/09/180F SN OR BX SCZ 3.81/09/180FI SN OR BX | 1970990000 J.45 1970390000 J.45 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 F.30 2749810000 F.32 |
| SCD-THR 3.81/18/90G 3.2SN BK BX | 1973800000 J.16 | SCDV 3.81/24/90F 3.2SN OR BX | 1032680000 J.41 | SCZ 3.81/09/180FIZE SN OR BX | 1237610000 J.47 | SDIS 0.6X3.5X100 | 2749810000 F.34 |
| SCD-THR 3.81/20/180F 3.2SN BK BX SCD-THR 3.81/20/180G 3.2SN BK BX | 1031570000 J.19 | SCDV 3.81/24/90G 3.2SN OR BX SCDV-THR 3.81/04/180F 3.2SN BK BX | 1032210000 J.40 | SCZ 3.81/09/180FZE SN OR BX | 1237190000 J.47 1969630000 J.44 | SDIS 0.6X3.5X100 | 2749810000 F.36 |
| SCD-THR 3.81/20/180G 3.2SN BK BX SCD-THR 3.81/20/90F 3.2SN BK BX | 1031040000 J.18 1974290000 J.17 | SCDV-THR 3.81/04/180F 3.2SN BK BX SCDV-THR 3.81/04/180G 3.2SN BK BX | 1035950000 J.25 1035470000 J.24 | SCZ 3.81/09/180G SN OR BX SCZ 3.81/09/180GZE SN OR BX | 1969630000 J.44 1237070000 J.46 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 F.42 2749810000 F.44 |
| SCD-THR 3.81/20/90G 3.2SN BK BX | 1973810000 J.16 | SCDV-THR 3.81/04/90F 3.2SN BK BX | 1033970000 J.23 | SCZ 3.81/09/180LR SN OR BX | 2444140000 J.45 | SDIS 0.6X3.5X100 | 2749810000 F.45 |
| SCD-THR 3.81/22/180F 3.2SN BK BX SCD-THR 3.81/22/180G 3.2SN BK BX | 1031590000 J.19 1031050000 J.18 | SCDV-THR 3.81/04/90G 3.2SN BK BX SCDV-THR 3.81/06/180F 3.2SN BK BX | 1033490000 J.22 1035960000 J.25 | SCZ 3.81/09/180LRZE SN OR BX SCZ 3.81/10/180F SN OR BX | 2444230000 J.47 1971000000 J.45 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 F.98 2749810000 F.100 |
| SCD-THR 3.81/22/90F 3.2SN BK BX | 1974310000 J.17 | SCDV-THR 3.81/06/180G 3.2SN BK BX | 1035480000 J.24 | SCZ 3.81/10/180FI SN OR BX | 1970410000 J.45 | SDIS 0.6X3.5X100 | 2749810000 F.102 |
| SCD-THR 3.81/22/90G 3.2SN BK BX | 1973820000 J.16 | SCDV-THR 3.81/06/90F 3.2SN BK BX | 1033980000 J.23 | SCZ 3.81/10/180FIZE SN OR BX | 1237620000 J.47 | SDIS 0.6X3.5X100 | 2749810000 F.104 |
| SCD-THR 3.81/24/180F 3.2SN BK BX SCD-THR 3.81/24/180G 3.2SN BK BX | 1031610000 J.19 1031060000 J.18 | SCDV-THR 3.81/06/90G 3.2SN BK BX SCDV-THR 3.81/08/180F 3.2SN BK BX | 1033510000 J.22 1035970000 J.25 | SCZ 3.81/10/180FZE SN OR BX SCZ 3.81/10/180G SN OR BX | 1237200000 J.47 1969640000 J.44 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 K.40 2749810000 K.42 |
| SCD-THR 3.81/24/90F 3.2SN BK BX | 1974330000 J.17 | SCDV-THR 3.81/08/180G 3.2SN BK BX | 1035490000 J.24 | SCZ 3.81/10/180GZE SN OR BX | 1237080000 J.46 | SDIS 0.6X3.5X100 | 2749810000 K.44 |
| SCD-THR 3.81/24/90G 3.2SN BK BX SCDN 3.81/04/90F 3.2SN OR BX | 1973830000 J.16 | SCDV-THR 3.81/08/90F 3.2SN BK BX SCDV-THR 3.81/08/90G 3.2SN BK BX | 1033990000 J.23 | SCZ 3.81/10/180LR SN OR BX | 2444150000 J.45 | SDIS 0.6X3.5X100 | 2749810000 K.46 |
| SCDN 3.81/04/90F 3.2SN OR BX | 1040960000 J.39 1040410000 J.38 | SCDV-THR 3.81/10/180F 3.2SN BK BX | 1033520000 J.22 1035980000 J.25 | SCZ 3.81/10/180LRZE SN OR BX SCZ 3.81/11/180F SN OR BX | 2444290000 J.47 1971010000 J.45 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 K.48 2749810000 K.82 |
| SCDN 3.81/06/90F 3.2SN OR BX | 1040970000 J.39 | SCDV-THR 3.81/10/180G 3.2SN BK BX | 1035510000 J.24 | SCZ 3.81/11/180FI SN OR BX | 1970420000 J.45 | SDIS 0.6X3.5X100 | 2749810000 K.84 |
| SCDN 3.81/06/90G 3.2SN OR BX SCDN 3.81/08/90F 3.2SN OR BX | 1040420000 J.38 1040980000 J.39 | SCDV-THR 3.81/10/90F 3.2SN BK BX SCDV-THR 3.81/10/90G 3.2SN BK BX | 1034010000 J.23 1033530000 J.22 | SCZ 3.81/11/180FIZE SN OR BX SCZ 3.81/11/180FZE SN OR BX | 1237630000 J.47 1237210000 J.47 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 K.86 2749810000 K.88 |
| SCDN 3.81/08/90F 3.2SN OR BX | 1040430000 J.38 | SCDV-THR 3.81/12/180F 3.2SN BK BX | 1035990000 J.25 | SCZ 3.81/11/180G SN OR BX | 1969660000 J.44 | SDIS 0.6X3.5X100 | 2749810000 K.88 2749810000 K.90 |
| SCDN 3.81/10/90F 3.2SN OR BX | 1040990000 J.39 | SCDV-THR 3.81/12/180G 3.2SN BK BX | 1035520000 J.24 | SCZ 3.81/11/180GZE SN OR BX | 1237090000 J.46 | SDIS 0.6X3.5X100 | 2749810000 K.92 |
| SCDN 3.81/10/90G 3.2SN OR BX SCDN 3.81/12/90F 3.2SN OR BX | 1040440000 J.38 1041000000 J.39 | SCDV-THR 3.81/12/90F 3.2SN BK BX SCDV-THR 3.81/12/90G 3.2SN BK BX | 1034020000 J.23 1033540000 J.22 | SCZ 3.81/11/180LR SN OR BX SCZ 3.81/11/180LRZE SN OR BX | 2444160000 J.45 2444250000 J.47 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 K.93 2749810000 K.94 |
| SCDN 3.81/12/90G 3.2SN OR BX | 1040450000 J.38 | SCDV-THR 3.81/14/180F 3.2SN BK BX | 1035340000 J.25 | SCZ 3.81/12/180F SN OR BX | 1971020000 J.45 | SDIS 0.6X3.5X100 | 2749810000 K.96 |
| SCDN 3.81/14/90F 3.2SN OR BX | 1041010000 J.39 | SCDV-THR 3.81/14/180G 3.2SN BK BX | 1035530000 J.24 | SCZ 3.81/12/180FI SN OR BX | 1970430000 J.45 | SDIS 0.6X3.5X100 | 2749810000 K.98 |
| SCDN 3.81/14/90G 3.2SN OR BX SCDN 3.81/16/90F 3.2SN OR BX | 1040460000 J.38 1041020000 J.39 | SCDV-THR 3.81/14/90F 3.2SN BK BX SCDV-THR 3.81/14/90G 3.2SN BK BX | 1034030000 J.23 1033550000 J.22 | SCZ 3.81/12/180FIZE SN OR BX SCZ 3.81/12/180FZE SN OR BX | 1237640000 J.47 1237220000 J.47 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 K.100 2749810000 K.102 |
| SCDN 3.81/16/90G 3.2SN OR BX | 1040470000 J.38 | SCDV-THR 3.81/16/180F 3.2SN BK BX | 1036020000 J.25 | SCZ 3.81/12/180G SN OR BX | 1969670000 J.44 | SDIS 0.6X3.5X100 | 2749810000 K.104 |
| SCDN 3.81/18/90F 3.2SN OR BX SCDN 3.81/18/90G 3.2SN OR BX | 1041030000 J.39 1040490000 J.38 | SCDV-THR 3.81/16/180G 3.2SN BK BX SCDV-THR 3.81/16/90F 3.2SN BK BX | 1035540000 J.24 1034040000 J.23 | SCZ 3.81/12/180GZE SN OR BX SCZ 3.81/12/180LR SN OR BX | 1237100000 J.46 2444170000 J.45 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 K.106 2749810000 K.108 |
| 3.0 I/ 10/ 300 3.23N UN DA | 104040000 J.38 | 0054-11111 0.01/ 10/ 3UF 3.23N DN DA | 1004040000 J.23 | 002 0.0 1/ 12/ 100EH 3N UN DA | 2444170000 J.45 | 0010 0.000.00100 | 2790010000 N.108 |
| | | | | | | | |

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|--------------------------------------|--------------------------------------|------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------------|-----------------------------------------------------------|------------------------------------|
| SDIS 0.6X3.5X100 | 2749810000 K.110 | SDK PZ1 X 80 | 2749440000 R.5 | SDS 0.6X3.5X100 | 2749340000 K.92 | SHL-SMT 5.00/02GR 5.9RL | 1069720000 S.35 |
| SDIS 0.6X3.5X100 | 2749810000 K.112 | SDK PZ1 X 80 | 2749440000 S.57 | SDS 0.6X3.5X100 | 2749340000 K.93 | SHL-SMT 5.00/03GL 1.5BX | 1063210000 S.34 |
| SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 K.114 2749810000 M.15 | SDK PZ2 X 100 SDK PZ2 X 100 | 2749450000 M.15 2749450000 N.18 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 K.94 2749340000 K.96 | SHL-SMT 5.00/03GL 1.5RL SHL-SMT 5.00/03GL 4.2BX | 1063240000 S.34 1069630000 S.34 |
| SDIS 0.6X3.5X100 | 2749810000 0.66 | SDK PZ2 X 100 | 2749450000 N.19 | SDS 0.6X3.5X100 | 2749340000 K.98 | SHL-SMT 5.00/03GL 4.2RL | 1069660000 S.34 |
| SDIS 0.6X3.5X100 | 2749810000 0.114 | SDK PZ2 X 100 | 2749450000 N.20 | SDS 0.6X3.5X100 | 2749340000 K.100 | SHL-SMT 5.00/03GL 5.9BX | 1069760000 S.34 |
| SDIS 0.6X3.5X100 | 2749810000 0.116 | SDK PZ2 X 100 | 2749450000 N.21 | SDS 0.6X3.5X100 | 2749340000 K.102 | SHL-SMT 5.00/03GL 5.9RL | 1069790000 \$.34 |
| SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 0.118 2749810000 0.120 | SDK PZ2 X 100 SDK PZ2 X 100 | 2749450000 N.22 2749450000 N.24 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 K.104 2749340000 K.106 | SHL-SMT 5.00/03GR 1.5BX SHL-SMT 5.00/03GR 1.5RL | 1063140000 S.35 1063170000 S.35 |
| SDIS 0.6X3.5X100 | 2749810000 0.168 | SDK PZ2 X 100 | 2749450000 0.80 | SDS 0.6X3.5X100 | 2749340000 K.108 | SHL-SMT 5.00/03GR 4.2BX | 1069560000 S.35 |
| SDIS 0.6X3.5X100 | 2749810000 Q.12 | SDK PZ2 X 100 | 2749450000 0.82 | SDS 0.6X3.5X100 | 2749340000 K.110 | SHL-SMT 5.00/03GR 4.2RL | 1069590000 S.35 |
| SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 2749810000 R.5 2749810000 S.57 | SDK PZ2 X 100 SDK PZ2 X 100 | 2749450000 0.84 2749450000 0.86 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 K.112 2749340000 K.114 | SHL-SMT 5.00/03GR 5.9BX SHL-SMT 5.00/03GR 5.9RL | 1069690000 S.35 1069730000 S.35 |
| SDIS 0.8X4.0X100 | 2749820000 F.38 | SDK PZ2 X 100 | 2749450000 0.88 | SDS 0.6X3.5X100 | 2749340000 K.114 2749340000 M.15 | SHL-SMT 5.00/04GL 1.5BX | 1063220000 S.34 |
| SDIS 0.8X4.0X100 | 2749820000 F.39 | SDK PZ2 X 100 | 2749450000 0.90 | SDS 0.6X3.5X100 | 2749340000 0.40 | SHL-SMT 5.00/04GL 1.5RL | 1063250000 S.34 |
| SDIS 0.8X4.0X100 | 2749820000 M.15 | SDK PZ2 X 100 | 2749450000 0.92 | SDS 0.6X3.5X100 | 2749340000 0.42 | SHL-SMT 5.00/04GL 4.2BX | 1069640000 S.34 |
| SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | 2749820000 N.16 2749820000 N.28 | SDK PZ2 X 100 SDK PZ2 X 100 | 2749450000 0.220 2749450000 0.222 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 0.46 2749340000 0.50 | SHL-SMT 5.00/04GL 4.2RL SHL-SMT 5.00/04GL 5.9BX | 1069670000 S.34 1069770000 S.34 |
| SDIS 0.8X4.0X100 | 2749820000 N.29 | SDK PZ2 X 100 | 2749450000 R.5 | SDS 0.6X3.5X100 | 2749340000 0.52 | SHL-SMT 5.00/04GL 5.9RL | 1069810000 S.34 |
| SDIS 0.8X4.0X100 | 2749820000 N.30 | SDK PZ2 X 100 | 2749450000 S.57 | SDS 0.6X3.5X100 | 2749340000 0.66 | SHL-SMT 5.00/04GR 1.5BX | 1063150000 S.35 |
| SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | 2749820000 N.31 2749820000 N.32 | SDK PZ3 X 150 SDK PZ3 X 150 | 2749460000 M.15 2749460000 R.5 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 0.114 2749340000 0.116 | SHL-SMT 5.00/04GR 1.5RL SHL-SMT 5.00/04GR 4.2BX | 1063180000 S.35 1069570000 S.35 |
| SDIS 0.8X4.0X100 | 2749820000 N.33 | SDK PZ3 X 150 | 2749460000 K.57 | SDS 0.6X3.5X100 | 2749340000 0.118 | SHL-SMT 5.00/04GR 4.2RL | 1069610000 S.35 |
| SDIS 0.8X4.0X100 | 2749820000 N.34 | SDS 0.4X2.5X75 | 2749320000 F.18 | SDS 0.6X3.5X100 | 2749340000 0.120 | SHL-SMT 5.00/04GR 5.9BX | 1069710000 S.35 |
| SDIS 0.8X4.0X100 | 2749820000 N.35 | SDS 0.4X2.5X75 | 2749320000 F.19 | SDS 0.6X3.5X100 | 2749340000 0.168 | SHL-SMT 5.00/04GR 5.9RL | 1069740000 S.35 |
| SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | 2749820000 N.36 2749820000 N.37 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 F.20 2749320000 F.21 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 0.194 2749340000 R.5 | SK DEMO CH20M12 SK DEMO CH20M12 | 1111630000 S.13 1111630000 S.22 |
| SDIS 0.8X4.0X100 | 2749820000 N.38 | SDS 0.4X2.5X75 | 2749320000 F.46 | SDS 0.6X3.5X100 | 2749340000 S.57 | SK DEMO CH20M17 | 1167200000 S.13 |
| SDIS 0.8X4.0X100 | 2749820000 N.39 | SDS 0.4X2.5X75 | 2749320000 F.48 | SDS 0.8X4.0X100 | 2749360000 F.38 | SK DEMO CH20M17 | 1167200000 S.24 |
| SDIS 0.8X4.0X100 | 2749820000 N.40 2749820000 N.41 | SDS 0.4X2.5X75 | 2749320000 F.50 | SDS 0.8X4.0X100 | 2749360000 F.39 | SK DEMO CH20M22 | 1105600000 S.13 |
| SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | 2749820000 N.41 2749820000 Q.14 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 F.52 2749320000 F.54 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | 2749360000 M.15 2749360000 N.16 | SK DEMO CH20M22 SK DEMO CH20M45 | 1105600000 S.26 1111640000 S.13 |
| SDIS 0.8X4.0X100 | 2749820000 Q.16 | SDS 0.4X2.5X75 | 2749320000 F.56 | SDS 0.8X4.0X100 | 2749360000 N.28 | SK DEMO CH20M45 | 1111640000 S.28 |
| SDIS 0.8X4.0X100 | 2749820000 R.5 | SDS 0.4X2.5X75 | 2749320000 F.58 | SDS 0.8X4.0X100 | 2749360000 N.29 | SK DEMO CH20M6 | 1203310000 S.13 |
| SDIS 0.8X4.0X100 SDIS 1.0X4.5X125 | 2749820000 S.57 2749830000 M.15 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 F.60 2749320000 F.62 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | 2749360000 N.30 2749360000 N.31 | SK DEMO CH20M6 SK DEMO CH20M67 | 1203310000 S.20 1270820000 S.13 |
| SDIS 1.0X4.5X125 | 2749830000 W.15 | SDS 0.4X2.5X75 | 2749320000 F.64 | SDS 0.8X4.0X100 | 2749360000 N.31 | SK DEMO CH20M67 SK DEMO CH20M67 | 1270820000 S.30 |
| SDIS 1.0X4.5X125 | 2749830000 S.57 | SDS 0.4X2.5X75 | 2749320000 F.66 | SDS 0.8X4.0X100 | 2749360000 N.33 | SK S-KIT - CH20M12 | 1167190000 S.13 |
| SDIS 1.0X5.5X125 | 2749850000 M.15 | SDS 0.4X2.5X75 | 2749320000 F.68 | SDS 0.8X4.0X100 | 2749360000 N.34 | SK S-KIT - CH20M12 | 1167190000 S.22 |
| SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | 2749850000 N.18 2749850000 N.19 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 F.70 2749320000 F.72 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | 2749360000 N.35 2749360000 N.36 | SK S-KIT - CH20M22 SK S-KIT - CH20M22 | 1158390000 S.13 1158390000 S.26 |
| SDIS 1.0X5.5X125 | 2749850000 N.20 | SDS 0.4X2.5X75 | 2749320000 F.74 | SDS 0.8X4.0X100 | 2749360000 N.37 | SK S-KIT CH20M17 | 1255820000 S.13 |
| SDIS 1.0X5.5X125 | 2749850000 N.21 | SDS 0.4X2.5X75 | 2749320000 F.76 | SDS 0.8X4.0X100 | 2749360000 N.38 | SK S-KIT CH20M17 | 1255820000 S.24 |
| SDIS 1.0X5.5X125 | 2749850000 0.80 | SDS 0.4X2.5X75 | 2749320000 F.78 | SDS 0.8X4.0X100 | 2749360000 N.39 | SK S-KIT CH20M45 | 1203350000 S.13 |
| SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | 2749850000 0.82 2749850000 0.84 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 F.80 2749320000 F.82 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | 2749360000 N.40 2749360000 N.41 | SK S-KIT CH20M45 SK S-KIT CH20M6 | 1203350000 S.28 1203290000 S.13 |
| SDIS 1.0X5.5X125 | 2749850000 0.86 | SDS 0.4X2.5X75 | 2749320000 F.84 | SDS 0.8X4.0X100 | 2749360000 R.5 | SK S-KIT CH20M6 | 1203290000 S.20 |
| SDIS 1.0X5.5X125 | 2749850000 0.88 | SDS 0.4X2.5X75 | 2749320000 F.86 | SDS 0.8X4.0X100 | 2749360000 S.57 | SK S-KIT CH20M67 | 1275810000 S.13 |
| SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | 2749850000 0.90 2749850000 0.92 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 F.96 2749320000 I.12 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 2749370000 M.15 2749370000 0.34 | SK S-KIT CH20M67 SK S-KIT IN-RAIL BUS CH20M 12-67 | 1275810000 S.30 1327040000 S.13 |
| SDIS 1.0X5.5X125 | 2749850000 0.220 | SDS 0.4X2.5X75 | 2749320000 I.18 | SDS 0.8X4.5X125 | 2749370000 0.36 | SL 135 BB15R OR | 1606450000 K.36 |
| SDIS 1.0X5.5X125 | 2749850000 0.222 | SDS 0.4X2.5X75 | 2749320000 I.48 | SDS 0.8X4.5X125 | 2749370000 0.38 | SL 135 BB15R OR | 1606450000 M.7 |
| SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | 2749850000 Q.18 2749850000 R.5 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 1.50 2749320000 1.54 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 2749370000 0.44 2749370000 0.74 | SL 135 BB15R SW SL 135 BB15R SW | 1636370000 K.36 1636370000 M.7 |
| SDIS 1.0X5.5X125 | 2749850000 S.57 | SDS 0.4X2.5X75 | 2749320000 I.56 | SDS 0.8X4.5X125 | 2749370000 0.74 | SL 2.50/02/180G 3.2SN BK BX | 2439910000 H.7 |
| SDIS 1.2X6.5X150 | 2749860000 M.15 | SDS 0.4X2.5X75 | 2749320000 I.58 | SDS 0.8X4.5X125 | 2749370000 0.96 | SL 2.50/02/90G 3.2SN BK BX | 2439660000 H.6 |
| SDIS 1.2X6.5X150 SDIS 1.2X6.5X150 | 2749860000 N.22 2749860000 N.24 | SDS 0.4X2.5X75 | 2749320000 I.60 2749320000 J.44 | SDS 0.8X4.5X125 | 2749370000 0.98 2749370000 0.100 | SL 2.50/03/180G 3.2SN BK BX | 2439920000 H.7 2439760000 H.6 |
| SDIS 1.2X6.5X150 | 2749860000 N.24 2749860000 0.20 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 J.46 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 2749370000 0.100 | SL 2.50/03/90G 3.2SN BK BX SL 2.50/04/180G 3.2SN BK BX | 2439930000 H.7 |
| SDIS 1.2X6.5X150 | 2749860000 0.22 | SDS 0.4X2.5X75 | 2749320000 J.48 | SDS 0.8X4.5X125 | 2749370000 0.164 | SL 2.50/04/90G 3.2SN BK BX | 2439770000 H.6 |
| SDIS 1.2X6.5X150 | 2749860000 R.5 | SDS 0.4X2.5X75 | 2749320000 J.50 | SDS 0.8X4.5X125 | 2749370000 0.166 | SL 2.50/05/180G 3.2SN BK BX | 2439940000 H.7 |
| SDIS 1.2X6.5X150 SDIS 1.2X8.0X175 | 2749860000 S.57 2749870000 M.15 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 J.52 2749320000 J.54 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 2749370000 0.170 2749370000 0.172 | SL 2.50/05/90G 3.2SN BK BX SL 2.50/06/180G 3.2SN BK BX | 2439780000 H.6 2439950000 H.7 |
| SDIS 1.2X8.0X175 | 2749870000 R.5 | SDS 0.4X2.5X75 | 2749320000 J.56 | SDS 0.8X4.5X125 | 2749370000 0.174 | SL 2.50/06/90G 3.2SN BK BX | 2439790000 H.6 |
| SDIS 1.2X8.0X175 | 2749870000 S.57 | SDS 0.4X2.5X75 | 2749320000 M.15 | SDS 0.8X4.5X125 | 2749370000 0.176 | SL 2.50/07/180G 3.2SN BK BX | 2439960000 H.7 |
| SDK PHO X 60 SDK PHO X 60 | 2749400000 M.15 2749400000 R.5 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 2749320000 Q.10 2749320000 R.5 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 2749370000 0.178 2749370000 0.180 | SL 2.50/07/90G 3.2SN BK BX SL 2.50/08/180G 3.2SN BK BX | 2439800000 H.6 2439970000 H.7 |
| SDK PHO X 60 | 2749400000 R.S | SDS 0.4X2.5X75 | 2749320000 K.57 | SDS 0.8X4.5X125 | 2749370000 0.180 | SL 2.50/08/90G 3.2SN BK BX | 2439810000 H.6 |
| SDK PH1 X 80 | 2749410000 K.40 | SDS 0.5X3.0X80 | 2749330000 M.15 | SDS 0.8X4.5X125 | 2749370000 0.184 | SL 2.50/09/180G 3.2SN BK BX | 2439980000 H.7 |
| SDK PH1 X 80 | 2749410000 K.42 | SDS 0.5X3.0X80 SDS 0.5X3.0X80 | 2749330000 N.26 | SDS 0.8X4.5X125 | 2749370000 0.186 | SL 2.50/09/90G 3.2SN BK BX | 2439820000 H.6 2439990000 H.7 |
| SDK PH1 X 80 SDK PH1 X 80 | 2749410000 K.44 2749410000 K.96 | SDS 0.5X3.0X80 | 2749330000 N.27 2749330000 0.122 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 2749370000 0.188 2749370000 0.190 | SL 2.50/10/180G 3.2SN BK BX SL 2.50/10/90G 3.2SN BK BX | 2439990000 H.7 2439830000 H.6 |
| SDK PH1 X 80 | 2749410000 K.98 | SDS 0.5X3.0X80 | 2749330000 Q.10 | SDS 0.8X4.5X125 | 2749370000 0.192 | SL 2.50/11/180G 3.2SN BK BX | 2440000000 H.7 |
| SDK PH1 X 80 | 2749410000 K.100 | SDS 0.5X3.0X80 | 2749330000 R.5 | SDS 0.8X4.5X125 | 2749370000 0.224 | SL 2.50/11/90G 3.2SN BK BX | 2439840000 H.6 |
| SDK PH1 X 80 SDK PH1 X 80 | 2749410000 K.102 2749410000 M.15 | SDS 0.5X3.0X80 SDS 0.6X3.5X100 | 2749330000 S.57 2749340000 F.22 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 2749370000 0.226 2749370000 0.228 | SL 2.50/12/180G 3.2SN BK BX SL 2.50/12/90G 3.2SN BK BX | 2440010000 H.7 2439850000 H.6 |
| SDK PH1 X 80 | 2749410000 0.74 | SDS 0.6X3.5X100 | 2749340000 F.24 | SDS 0.8X4.5X125 | 2749370000 R.5 | SL 3.5 FLA 1.5/1.75/8 | 1597630000 I.30 |
| SDK PH1 X 80 | 2749410000 0.178 | SDS 0.6X3.5X100 | 2749340000 F.26 | SDS 0.8X4.5X125 | 2749370000 S.57 | SL 3.5 FLA 1.5/1.75/8 | 1597630000 I.32 |
| SDK PH1 X 80 SDK PH1 X 80 | 2749410000 0.180 2749410000 0.182 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 F.28 2749340000 F.30 | SDS 1.0X5.5X150 SDS 1.0X5.5X150 | 2749380000 M.15 2749380000 N.18 | SL 3.5 FLA 1.5/1.75/8 SL 3.5 FLA 1.5/1.75/8 | 1597630000 I.36 1597630000 M.8 |
| SDK PH1 X 80 | 2749410000 C.102 | SDS 0.6X3.5X100 | 2749340000 F.32 | SDS 1.0X5.5X150 | 2749380000 N.19 | SL 3.5 FLA 1.5/8 | 1597510000 I.30 |
| SDK PH1 X 80 | 2749410000 S.57 | SDS 0.6X3.5X100 | 2749340000 F.34 | SDS 1.0X5.5X150 | 2749380000 N.20 | SL 3.5 FLA 1.5/8 | 1597510000 I.32 |
| SDK PH2 X 100 | 2749420000 M.15 2749420000 R.5 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 F.36 2749340000 F.88 | SDS 1.0X5.5X150 | 2749380000 N.21 2749380000 R.5 | SL 3.5 FLA 1.5/8 | 1597510000 I.36 1597510000 M.8 |
| SDK PH2 X 100 SDK PH2 X 100 | 2749420000 R.5 2749420000 S.57 | SDS 0.6X3.5X100 | 2749340000 F.88 2749340000 F.90 | SDS 1.0X5.5X150 SDS 1.0X5.5X150 | 2749380000 R.5 2749380000 S.57 | SL 3.5 FLA 1.5/8 SL 3.5 FLA 2.3/1.75/8 | 1597510000 M.8 1597640000 I.30 |
| SDK PH3 X 150 | 2749430000 M.15 | SDS 0.6X3.5X100 | 2749340000 F.98 | SDS 1.2X6.5X150 | 2749390000 M.15 | SL 3.5 FLA 2.3/1.75/8 | 1597640000 I.32 |
| SDK PH3 X 150 | 2749430000 R.5 | SDS 0.6X3.5X100 | 2749340000 F.100 | SDS 1.2X6.5X150 | 2749390000 N.22 | SL 3.5 FLA 2.3/1.75/8 | 1597640000 I.36 |
| SDK PH3 X 150 SDK PZ1 X 80 | 2749430000 S.57 2749440000 F.38 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 F.102 2749340000 F.104 | SDS 1.2X6.5X150 SDS 1.2X6.5X150 | 2749390000 N.24 2749390000 R.5 | SL 3.5 FLA 2.3/1.75/8 SL 3.5 FLA 2.3/8 | 1597640000 M.8 1597520000 I.30 |
| SDK PZ1 X 80 | 2749440000 F.39 | SDS 0.6X3.5X100 | 2749340000 F.104 2749340000 K.40 | SDS 1.2X6.5X150 | 2749390000 R.5 2749390000 S.57 | SL 3.5 FLA 2.3/8 | 1597520000 I.30 |
| SDK PZ1 X 80 | 2749440000 K.40 | SDS 0.6X3.5X100 | 2749340000 K.42 | SET CH20M BUS 250MM TS 35X15 | 1335150000 S.41 | SL 3.5 FLA 2.3/8 | 1597520000 I.36 |
| SDK PZ1 X 80 | 2749440000 K.42 | SDS 0.6X3.5X100 | 2749340000 K.44 | SET CH20M BUS 250MM TS 35X7.5 | 1335140000 \$.41 | SL 3.5 FLA 2.3/8 | 1597520000 M.8 |
| SDK PZ1 X 80 SDK PZ1 X 80 | 2749440000 K.44 2749440000 K.96 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 K.46 2749340000 K.48 | SHL-SMT 5.00/02GL 4.2BX SHL-SMT 5.00/02GL 4.2RL | 1069620000 S.34 1069650000 S.34 | SL 3.5 FLA 4.0/1.75/8 SL 3.5 FLA 4.0/1.75/8 | 1597650000 I.30 1597650000 I.32 |
| SDK PZ1 X 80 | 2749440000 K.98 | SDS 0.6X3.5X100 | 2749340000 K.40 | SHL-SMT 5.00/02GL 5.9BX | 1069750000 S.34 | SL 3.5 FLA 4.0/1.75/8 | 1597650000 I.36 |
| SDK PZ1 X 80 | 2749440000 K.100 | SDS 0.6X3.5X100 | 2749340000 K.84 | SHL-SMT 5.00/02GL 5.9RL | 1069780000 S.34 | SL 3.5 FLA 4.0/1.75/8 | 1597650000 M.8 |
| SDK PZ1 X 80 SDK PZ1 X 80 | 2749440000 K.102 2749440000 M.15 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 2749340000 K.86 2749340000 K.88 | SHL-SMT 5.00/02GR 4.2BX SHL-SMT 5.00/02GR 4.2RL | 1069550000 S.35 1069580000 S.35 | SL 3.5 FLA 4.0/8 SL 3.5 FLA 4.0/8 | 1597530000 I.30 1597530000 I.32 |
| SDK PZ1 X 80 | 2749440000 N.16 | SDS 0.6X3.5X100 | 2749340000 K.90 | SHL-SMT 5.00/02GR 5.9BX | 1069680000 S.35 | SL 3.5 FLA 4.0/8 | 1597530000 I.36 |
| | | | | | | | |

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|------------------------------------------------------------|------------------------------------|----------------------------------------------------------------|------------------------------------|------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------|--------------------------------------|
| SL 3.5 FLA 4.0/8 | 1597530000 M.8 | SL 5.00/05/180B 3.2SN OR BX | 1581810000 K.35 | SL 5.08HC/07/180LF 3.2SN OR BX | 1148050000 K.75 | SL 7.62HP/07/270G 3.2SN BK BX | 1472290000 0.112 |
| SL 3.50/02/135F 3.2SN OR BX | 1643330000 I.40 | SL 5.00/05/90 3.2SN OR BX | 1571160000 K.32 | SL 5.08HC/07/90 3.2SN OR BX | 1146830000 K.68 | SL 7.62HP/07/270LF 3.2SN BK BX | 1472420000 0.113 |
| SL 3.50/02/180 3.2SN OR BX SL 3.50/02/180F 3.2SN OR BX | 1604770000 I.38 1607500000 I.39 | SL 5.00/05/90B 3.2SN OR BX SL 5.00/06/135 3.2SN OR BX | 1580890000 K.33 1630290000 K.36 | SL 5.08HC/07/90B 3.2SN OR BX SL 5.08HC/07/90F 3.2SN OR BX | 1148200000 K.69 1148780000 K.70 | SL 7.62HP/07/90F 3.2 SN BK BX SL 7.62HP/07/90G 3.2SN BK BX | 1124270000 0.109 1059500000 0.108 |
| SL 3.50/02/180G 3.2SN OR BX | 1604470000 I.39 | SL 5.00/06/135B 3.2SN OR BX | 1630520000 K.37 | SL 5.08HC/07/90G 3.2SN OR BX | 1147420000 K.69 | SL 7.62HP/07/90LF 3.2 SN BK BX | 1095970000 0.109 |
| SL 3.50/02/90 3.2SN OR BX | 1597210000 I.36 | SL 5.00/06/180 3.2SN OR BX | 1581360000 K.34 | SL 5.08HC/07/90LF 3.2SN OR BX | 1149540000 K.71 | SL 7.62HP/08/180F 3.2 SN BK BX | 1140930000 0.111 |
| SL 3.50/02/90F 3.2SN OR BX SL 3.50/02/90G 3.2SN OR BX | 1607040000 I.37 1605070000 I.37 | SL 5.00/06/180B 3.2SN OR BX SL 5.00/06/90 3.2SN OR BX | 1581820000 K.35 1571170000 K.32 | SL 5.08HC/08/180 3.2SN OR BX SL 5.08HC/08/180B 3.2SN OR BX | 1146490000 K.72 1147510000 K.73 | SL 7.62HP/08/180G 3.2SN BK BX SL 7.62HP/08/180LF 3.2 SN BK BX | 1049000000 0.110 1141150000 0.111 |
| SL 3.50/03/135F 3.2SN OR BX | 1643340000 I.40 | SL 5.00/06/90B 3.2SN OR BX | 1580900000 K.33 | SL 5.08HC/08/180F 3.2SN OR BX | 1147310000 K.73 | SL 7.62HP/08/270G 3.2SN BK BX | 1472310000 0.111 |
| SL 3.50/03/180 3.2SN OR BX | 1604780000 I.38 | SL 5.00/07/135 3.2SN OR BX | 1630300000 K.36 | SL 5.08HC/08/180G 3.2SN OR BX | 1146870000 K.73 | SL 7.62HP/08/270LF 3.2SN BK BX | 1472430000 0.113 |
| SL 3.50/03/180F 3.2SN OR BX | 1607510000 I.39 | SL 5.00/07/135B 3.2SN OR BX | 1630530000 K.37 | SL 5.08HC/08/180LF 3.2SN OR BX | 1148090000 K.75 | SL 7.62HP/08/90F 3.2 SN BK BX | 1124280000 0.109 |
| SL 3.50/03/180G 3.2SN OR BX SL 3.50/03/90 3.2SN OR BX | 1604480000 I.39 1597220000 I.36 | SL 5.00/07/180 3.2SN OR BX SL 5.00/07/180B 3.2SN OR BX | 1581370000 K.34 1581830000 K.35 | SL 5.08HC/08/90 3.2SN OR BX SL 5.08HC/08/90B 3.2SN OR BX | 1146850000 K.68 1154830000 K.69 | SL 7.62HP/08/90G 3.2SN BK BX SL 7.62HP/08/90LF 3.2 SN BK BX | 1059510000 0.108 1095980000 0.109 |
| SL 3.50/03/90F 3.2SN OR BX | 1607050000 I.37 | SL 5.00/07/90 3.2SN OR BX | 1571180000 K.32 | SL 5.08HC/08/90F 3.2SN OR BX | 1148810000 K.70 | SL 7.62HP/09/180F 3.2 SN BK BX | 1140940000 0.111 |
| SL 3.50/03/90G 3.2SN OR BX | 1605080000 I.37 | SL 5.00/07/90B 3.2SN OR BX | 1580910000 K.33 | SL 5.08HC/08/90G 3.2SN OR BX | 1147450000 K.69 | SL 7.62HP/09/180G 3.2SN BK BX | 1122600000 0.110 |
| SL 3.50/04/135F 3.2SN OR BX SL 3.50/04/180 3.2SN OR BX | 1643350000 I.40 1604790000 I.38 | SL 5.00/08/135 3.2SN OR BX SL 5.00/08/135B 3.2SN OR BX | 1630310000 K.36 1630540000 K.37 | SL 5.08HC/08/90LF 3.2SN OR BX SL 5.08HC/09/180 3.2SN OR BX | 1149580000 K.71 1146510000 K.72 | SL 7.62HP/09/180LF 3.2 SN BK BX SL 7.62HP/09/270G 3.2SN BK BX | 1141160000 0.111 1472320000 0.112 |
| SL 3.50/04/180F 3.2SN OR BX | 1607520000 I.39 | SL 5.00/08/180 3.2SN OR BX | 1581380000 K.34 | SL 5.08HC/09/180B 3.2SN OR BX | 1147540000 K.73 | SL 7.62HP/09/270LF 3.2SN BK BX | 1472440000 0.113 |
| SL 3.50/04/180G 3.2SN OR BX | 1604490000 I.39 | SL 5.00/08/180B 3.2SN OR BX | 1581840000 K.35 | SL 5.08HC/09/180F 3.2SN OR BX | 1147350000 K.74 | SL 7.62HP/09/90F 3.2 SN BK BX | 1124290000 0.109 |
| SL 3.50/04/90 3.2SN OR BX SL 3.50/04/90F 3.2SN OR BX | 1597230000 I.36 1607060000 I.37 | SL 5.00/08/90 3.2SN OR BX SL 5.00/08/90B 3.2SN OR BX | 1571190000 K.32 1580920000 K.33 | SL 5.08HC/09/180G 3.2SN OR BX SL 5.08HC/09/180LF 3.2SN OR BX | 1146890000 K.73 1148120000 K.75 | SL 7.62HP/09/90G 3.2SN BK BX SL 7.62HP/09/90LF 3.2 SN BK BX | 1059520000 0.108 1095990000 0.109 |
| SL 3.50/04/90G 3.2SN OR BX | 1605090000 I.37 | SL 5.00/09/135 3.2SN OR BX | 1630320000 K.36 | SL 5.08HC/09/90 3.2SN OR BX | 1146880000 K.68 | SL 7.62HP/10/180F 3.2 SN BK BX | 1140950000 0.111 |
| SL 3.50/05/135F 3.2SN OR BX | 1643360000 I.40 | SL 5.00/09/135B 3.2SN OR BX | 1630550000 K.37 | SL 5.08HC/09/90B 3.2SN OR BX | 1154840000 K.69 | SL 7.62HP/10/180G 3.2SN BK BX | 1122610000 0.110 |
| SL 3.50/05/180 3.2SN OR BX SL 3.50/05/180F 3.2SN OR BX | 1604800000 I.38 1607530000 I.39 | SL 5.00/09/180 3.2SN OR BX SL 5.00/09/180B 3.2SN OR BX | 1581390000 K.34 1581850000 K.35 | SL 5.08HC/09/90F 3.2SN OR BX | 1148840000 K.70 | SL 7.62HP/10/180LF 3.2 SN BK BX | 1141170000 0.111 |
| SL 3.50/05/180G 3.2SN OR BX | 1607530000 I.39 1604500000 I.39 | SL 5.00/09/180B 3.25N OR BX | 1581850000 K.35 1571200000 K.32 | SL 5.08HC/09/90G 3.2SN OR BX SL 5.08HC/09/90LF 3.2SN OR BX | 1147490000 K.69 1149610000 K.71 | SL 7.62HP/10/270G 3.2SN BK BX SL 7.62HP/10/270LF 3.2SN BK BX | 1472330000 0.112 1472450000 0.113 |
| SL 3.50/05/90 3.2SN OR BX | 1597240000 I.36 | SL 5.00/09/90B 3.2SN OR BX | 1580930000 K.33 | SL 5.08HC/10/180 3.2SN OR BX | 1146530000 K.72 | SL 7.62HP/10/90F 3.2 SN BK BX | 1124300000 0.109 |
| SL 3.50/05/90F 3.2SN OR BX | 1607070000 I.37 | SL 5.00/10/135 3.2SN OR BX | 1630330000 K.36 | SL 5.08HC/10/180B 3.2SN OR BX | 1147580000 K.73 | SL 7.62HP/10/90G 3.2SN BK BX | 1059530000 0.108 |
| SL 3.50/05/90G 3.2SN OR BX SL 3.50/06/135F 3.2SN OR BX | 1605100000 I.37 1643370000 I.40 | SL 5.00/10/135B 3.2SN OR BX SL 5.00/10/180 3.2SN OR BX | 1630560000 K.37 1581400000 K.34 | SL 5.08HC/10/180F 3.2SN OR BX SL 5.08HC/10/180G 3.2SN OR BX | 1147380000 K.74 1146910000 K.73 | SL 7.62HP/10/90LF 3.2 SN BK BX SL 7.62HP/11/180F 3.2 SN BK BX | 1096000000 0.109 1140960000 0.111 |
| SL 3.50/06/180 3.2SN OR BX | 1604810000 I.38 | SL 5.00/10/180B 3.2SN OR BX | 1581860000 K.35 | SL 5.08HC/10/180LF 3.2SN OR BX | 1148150000 K.75 | SL 7.62HP/11/180G 3.2SN BK BX | 1122640000 0.110 |
| SL 3.50/06/180F 3.2SN OR BX | 1607540000 I.39 | SL 5.00/10/90 3.2SN OR BX | 1571210000 K.32 | SL 5.08HC/10/90 3.2SN OR BX | 1146900000 K.68 | SL 7.62HP/11/180LF 3.2 SN BK BX | 1141180000 0.111 |
| SL 3.50/06/180G 3.2SN OR BX SL 3.50/06/90 3.2SN OR BX | 1604510000 I.39 1597250000 I.36 | SL 5.00/10/90B 3.2SN OR BX SL 5.00/11/135 3.2SN OR BX | 1580940000 K.33 1630340000 K.36 | SL 5.08HC/10/90B 3.2SN OR BX SL 5.08HC/10/90F 3.2SN OR BX | 1154850000 K.69 1148880000 K.70 | SL 7.62HP/11/270G 3.2SN BK BX SL 7.62HP/11/270LF 3.2SN BK BX | 1472340000 0.112 1472460000 0.113 |
| SL 3.50/06/90F 3.2SN OR BX | 1607080000 1.37 | SL 5.00/11/135 3.2SN OR BX | 1630570000 K.36 | SL 5.08HC/10/90G 3.2SN OR BX | 1147530000 K.70 | SL 7.62HP/11/90F 3.2 SN BK BX | 1124310000 0.109 |
| SL 3.50/06/90G 3.2SN OR BX | 1605110000 I.37 | SL 5.00/11/180 3.2SN OR BX | 1581410000 K.34 | SL 5.08HC/10/90LF 3.2SN OR BX | 1149640000 K.71 | SL 7.62HP/11/90G 3.2SN BK BX | 1059550000 0.108 |
| SL 3.50/07/135F 3.2SN OR BX | 1643380000 I.40 1604820000 I.38 | SL 5.00/11/180B 3.2SN OR BX | 1581870000 K.35 1571220000 K.32 | SL 5.08HC/11/180 3.2SN OR BX | 1146550000 K.72 1147610000 K.73 | SL 7.62HP/11/90LF 3.2 SN BK BX | 1096010000 0.109 |
| SL 3.50/07/180 3.2SN OR BX SL 3.50/07/180F 3.2SN OR BX | 1604820000 I.38 1607550000 I.39 | SL 5.00/11/90 3.2SN OR BX SL 5.00/11/90B 3.2SN OR BX | 1571220000 K.32 1580950000 K.33 | SL 5.08HC/11/180B 3.2SN OR BX SL 5.08HC/11/180F 3.2SN OR BX | 1147610000 K.73 1147410000 K.74 | SL 7.62HP/12/180F 3.2 SN BK BX SL 7.62HP/12/180G 3.2 SN BK BX | 1140970000 0.111 1122650000 0.110 |
| SL 3.50/07/180G 3.2SN OR BX | 1604520000 I.39 | SL 5.00/12/135 3.2SN OR BX | 1630350000 K.36 | SL 5.08HC/11/180G 3.2SN OR BX | 1146930000 K.73 | SL 7.62HP/12/180LF 3.2 SN BK BX | 1141190000 0.111 |
| SL 3.50/07/90 3.2SN OR BX | 1597260000 I.36 | SL 5.00/12/135B 3.2SN OR BX | 1630580000 K.37 | SL 5.08HC/11/180LF 3.2SN OR BX | 1148190000 K.75 | SL 7.62HP/12/270G 3.2SN BK BX | 1472350000 0.112 |
| SL 3.50/07/90F 3.2SN OR BX SL 3.50/07/90G 3.2SN OR BX | 1607090000 I.37 1605120000 I.37 | SL 5.00/12/180 3.2SN OR BX SL 5.00/12/180B 3.2SN OR BX | 1581420000 K.34 1581880000 K.35 | SL 5.08HC/11/90 3.2SN OR BX SL 5.08HC/11/90B 3.2SN OR BX | 1146920000 K.68 1154870000 K.69 | SL 7.62HP/12/270LF 3.2SN BK BX SL 7.62HP/12/90F 3.2 SN BK BX | 1472470000 0.113 1124320000 0.109 |
| SL 3.50/08/135F 3.2SN OR BX | 1643390000 I.40 | SL 5.00/12/90 3.2SN OR BX | 1571110000 K.32 | SL 5.08HC/11/90F 3.2SN OR BX | 1148910000 K.70 | SL 7.62HP/12/90G 3.2SN BK BX | 1059570000 0.108 |
| SL 3.50/08/180 3.2SN OR BX | 1604830000 I.38 | SL 5.00/12/90B 3.2SN OR BX | 1580960000 K.33 | SL 5.08HC/11/90G 3.2SN OR BX | 1147570000 K.69 | SL 7.62HP/12/90LF 3.2 SN BK BX | 1096020000 0.109 |
| SL 3.50/08/180F 3.2SN OR BX SL 3.50/08/180G 3.2SN OR BX | 1607560000 I.39 1604530000 I.39 | SL 5.08HC/02/180 3.2SN OR BX SL 5.08HC/02/180B 3.2SN OR BX | 1146320000 K.72 1147300000 K.73 | SL 5.08HC/11/90LF 3.2SN OR BX SL 5.08HC/12/180 3.2SN OR BX | 1149680000 K.71 1146570000 K.72 | SL 7.62IT/02/90MF2 3.2SN BK BX S0 SL 7.62IT/03/90MF2 3.2SN BK BX | 1173610000 0.64 1173640000 0.64 |
| SL 3.50/08/90 3.2SN OR BX | 1597270000 I.36 | SL 5.08HC/02/180F 3.2SN OR BX | 1147130000 K.74 | SL 5.08HC/12/180B 3.2SN OR BX | 1147640000 K.73 | SL 7.62IT/03/90MF3 3.2SN BK BX | 1173690000 0.65 |
| SL 3.50/08/90F 3.2SN OR BX | 1607100000 I.37 | SL 5.08HC/02/180G 3.2SN OR BX | 1146730000 K.73 | SL 5.08HC/12/180F 3.2SN OR BX | 1147440000 K.74 | SL 7.62IT/04/90MF2 3.2SN BK BX | 1173730000 0.64 |
| SL 3.50/08/90G 3.2SN OR BX SL 3.50/09/135F 3.2SN OR BX | 1605130000 I.37 1643400000 I.40 | SL 5.08HC/02/180LF 3.2SN OR BX SL 5.08HC/02/90 3.2SN OR BX | 1147890000 K.75 1146720000 K.68 | SL 5.08HC/12/180G 3.2SN OR BX SL 5.08HC/12/180LF 3.2SN OR BX | 1146950000 K.73 1148220000 K.75 | SL 7.62IT/04/90MF3 3.2SN BK BX S0 SL 7.62IT/04/90MF4 3.2SN BK BX | 2629490000 0.65 1173770000 0.65 |
| SL 3.50/09/180 3.2SN OR BX | 1604840000 I.38 | SL 5.08HC/02/90B 3.2SN OR BX | 1148030000 K.69 | SL 5.08HC/12/90 3.2SN OR BX | 1146940000 K.68 | SL 7.62IT/05/90MF2 3.2SN BK BX | 2629360000 0.64 |
| SL 3.50/09/180F 3.2SN OR BX | 1607570000 I.39 | SL 5.08HC/02/90F 3.2SN OR BX | 1148610000 K.70 | SL 5.08HC/12/90B 3.2SN OR BX SL 5.08HC/12/90F 3.2SN OR BX | 1154880000 K.69 1148940000 K.70 | SL 7.62IT/05/90MF3 3.2SN BK BX S0 | 1398820000 0.65 |
| SL 3.50/09/180G 3.2SN OR BX SL 3.50/09/90 3.2SN OR BX | 1604540000 I.39 1597280000 I.36 | SL 5.08HC/02/90G 3.2SN OR BX SL 5.08HC/02/90LF 3.2SN OR BX | 1147280000 K.69 1149380000 K.71 | SL 5.08HC/12/90G 3.2SN OR BX | 1148940000 K.70 1147600000 K.69 | SL 7.62IT/05/90MF4 3.2SN BK BX S0 SL 7.62IT/06/90MF2 3.2SN BK BX | 1398830000 0.65 2629480000 0.64 |
| SL 3.50/09/90F 3.2SN OR BX | 1607110000 I.37 | SL 5.08HC/03/180 3.2SN OR BX | 1146340000 K.72 | SL 5.08HC/12/90LF 3.2SN OR BX | 1149710000 K.71 | SL 7.62IT/06/90MF3 3.2SN BK BX S0 | 1398840000 0.65 |
| SL 3.50/09/90G 3.2SN OR BX | 1605140000 I.37 | SL 5.08HC/03/180B 3.2SN OR BX | 1147330000 K.73 1147170000 K.74 | SL 7.62HP/02/180F 3.2 SN BK BX | 1140870000 0.111 | SL 7.62IT/06/90MF4 3.2SN BK BX S0 | 2629500000 0.65 |
| SL 3.50/10/135F 3.2SN OR BX SL 3.50/10/180 3.2SN OR BX | 1643410000 I.40 1604850000 I.38 | SL 5.08HC/03/180F 3.2SN OR BX SL 5.08HC/03/180G 3.2SN OR BX | 1147170000 K.74 1146750000 K.73 | SL 7.62HP/02/180G 3.2SN BK BX SL 7.62HP/02/180LF 3.2 SN BK BX | 1122550000 0.110 1141090000 0.111 | SLAT OR SLAT OR | 1598300000 K.22 1598300000 K.24 |
| SL 3.50/10/180F 3.2SN OR BX | 1607580000 I.39 | SL 5.08HC/03/180LF 3.2SN OR BX | 1147920000 K.75 | SL 7.62HP/02/270G 3.2SN BK BX | 1472240000 0.112 | SL AT OR | 1598300000 K.26 |
| SL 3.50/10/180G 3.2SN OR BX | 1604550000 I.39 | SL 5.08HC/03/90 3.2SN OR BX | 1146740000 K.68 | SL 7.62HP/02/270LF 3.2SN BK BX | 1472360000 0.113 | SLATOR | 1598300000 K.28 |
| SL 3.50/10/90 3.2SN OR BX SL 3.50/10/90F 3.2SN OR BX | 1597290000 I.36 1607120000 I.37 | SL 5.08HC/03/90B 3.2SN OR BX SL 5.08HC/03/90F 3.2SN OR BX | 1148070000 K.69 1148640000 K.70 | SL 7.62HP/02/90F 3.2 SN BK BX SL 7.62HP/02/90G 3.2SN BK BX | 1026850000 0.109 1026760000 0.108 | SLAT OR SLAT OR | 1598300000 K.30 1598300000 K.32 |
| SL 3.50/10/90G 3.2SN OR BX | 1605150000 I.37 | SL 5.08HC/03/90G 3.2SN OR BX | 1147310000 K.69 | SL 7.62HP/02/90LF 3.2 SN BK BX | 1095920000 0.109 | SLATOR | 1598300000 K.34 |
| SL 3.50/11/135F 3.2SN OR BX | 1643420000 I.40 | SL 5.08HC/03/90LF 3.2SN OR BX | 1149410000 K.71 | SL 7.62HP/03/180F 3.2 SN BK BX | 1140880000 0.111 | SL AT OR | 1598300000 K.36 |
| SL 3.50/11/180 3.2SN OR BX SL 3.50/11/180F 3.2SN OR BX | 1604860000 I.38 1607590000 I.39 | SL 5.08HC/04/180 3.2SN OR BX SL 5.08HC/04/180B 3.2SN OR BX | 1146380000 K.72 1147360000 K.73 | SL 7.62HP/03/180G 3.2SN BK BX SL 7.62HP/03/180LF 3.2 SN BK BX | 1122570000 0.110 1141100000 0.111 | SLAT OR SLAT OR | 1598300000 K.38 1598300000 K.50 |
| SL 3.50/11/180G 3.2SN OR BX | 1604560000 I.39 | SL 5.08HC/04/180F 3.2SN OR BX | 1147200000 K.74 | SL 7.62HP/03/270G 3.2SN BK BX | 1472250000 0.112 | SLAT OR | 1598300000 K.52 |
| SL 3.50/11/90 3.2SN OR BX | 1597300000 I.36 | SL 5.08HC/04/180G 3.2SN OR BX | 1146780000 K.73 | SL 7.62HP/03/270LF 3.2SN BK BX | 1472370000 0.113 | SL AT OR | 1598300000 K.54 |
| SL 3.50/11/90F 3.2SN OR BX SL 3.50/11/90G 3.2SN OR BX | 1607130000 I.37 1605160000 I.37 | SL 5.08HC/04/180LF 3.2SN OR BX SL 5.08HC/04/90 3.2SN OR BX | 1147950000 K.75 1146770000 K.68 | SL 7.62HP/03/90F 3.2 SN BK BX SL 7.62HP/03/90G 3.2SN BK BX | 1026860000 0.109 1026770000 0.108 | SLAT OR SLAT OR | 1598300000 K.56 1598300000 K.58 |
| SL 3.50/12/135F 3.2SN OR BX | 1643430000 I.40 | SL 5.08HC/04/90B 3.2SN OR BX | 1148100000 K.69 | SL 7.62HP/03/90LF 3.2 SN BK BX | 1095930000 0.109 | SLAT OR | 1598300000 K.60 |
| SL 3.50/12/180 3.2SN OR BX | 1604870000 I.38 | SL 5.08HC/04/90F 3.2SN OR BX | 1148680000 K.70 | SL 7.62HP/04/180F 3.2 SN BK BX | 1140890000 0.111 | SLAT OR | 1598300000 K.62 |
| SL 3.50/12/180F 3.2SN OR BX SL 3.50/12/180G 3.2SN OR BX | 1607600000 I.39 1604570000 I.39 | SL 5.08HC/04/90G 3.2SN OR BX SL 5.08HC/04/90LF 3.2SN OR BX | 1147340000 K.69 1149440000 K.71 | SL 7.62HP/04/180G 3.2SN BK BX SL 7.62HP/04/180LF 3.2 SN BK BX | 1122580000 0.110 1141110000 0.111 | SLAT OR SLAT OR | 1598300000 K.64 1598300000 K.66 |
| SL 3.50/12/90 3.2SN OR BX | 1597310000 I.36 | SL 5.08HC/05/180 3.2SN OR BX | 1146410000 K.71 | SL 7.62HP/04/270G 3.2SN BK BX | 1472260000 0.112 | SLAT OR | 1598300000 K.68 |
| SL 3.50/12/90F 3.2SN OR BX | 1607140000 I.37 | SL 5.08HC/05/180B 3.2SN OR BX | 1147390000 K.73 | SL 7.62HP/04/270LF 3.2SN BK BX | 1472380000 0.113 | SL AT OR | 1598300000 K.70 |
| SL 3.50/12/90G 3.2SN OR BX SL 5.00/02/135 3.2SN OR BX | 1605170000 I.37 1630250000 K.36 | SL 5.08HC/05/180F 3.2SN OR BX SL 5.08HC/05/180G 3.2SN OR BX | 1147230000 K.74 1146800000 K.73 | SL 7.62HP/04/90F 3.2 SN BK BX SL 7.62HP/04/90G 3.2 SN BK BX | 1026870000 0.109 1026780000 0.108 | SLAT OR SLAT OR | 1598300000 K.72 1598300000 K.74 |
| SL 5.00/02/135B 3.2SN OR BX | 1630480000 K.37 | SL 5.08HC/05/180LF 3.2SN OR BX | 1147990000 K.75 | SL 7.62HP/04/90LF 3.2 SN BK BX | 1095940000 0.109 | SLATOR | 1598300000 K.76 |
| SL 5.00/02/180 3.2SN OR BX | 1581320000 K.34 | SL 5.08HC/05/90 3.2SN OR BX | 1146790000 K.68 | SL 7.62HP/05/180F 3.2 SN BK BX | 1140900000 0.111 | SL AT OR | 1598300000 K.78 |
| SL 5.00/02/180B 3.2SN OR BX SL 5.00/02/90 3.2SN OR BX | 1581780000 K.35 1571130000 K.32 | SL 5.08HC/05/90B 3.2SN OR BX SL 5.08HC/05/90F 3.2SN OR BX | 1148130000 K.69 1148710000 K.70 | SL 7.62HP/05/180G 3.2SN BK BX SL 7.62HP/05/180LF 3.2 SN BK BX | 1048980000 0.110 1141120000 0.111 | SLAT OR SLAT OR | 1598300000 K.80 1598300000 K.82 |
| SL 5.00/02/90B 3.2SN OR BX | 1580860000 K.33 | SL 5.08HC/05/90G 3.2SN OR BX | 1147370000 K.69 | SL 7.62HP/05/270G 3.2SN BK BX | 1472270000 0.112 | SLAT OR | 1598300000 K.86 |
| SL 5.00/03/135 3.2SN OR BX | 1630260000 K.36 | SL 5.08HC/05/90LF 3.2SN OR BX | 1149480000 K.71 | SL 7.62HP/05/270LF 3.2SN BK BX | 1472390000 0.113 | SLAT OR | 1598300000 K.90 |
| SL 5.00/03/135B 3.2SN OR BX | 1630490000 K.37 | SL 5.08HC/06/180 3.2SN OR BX | 1146450000 K.72 | SL 7.62HP/05/90F 3.2 SN BK BX | 1026880000 0.109 | SLAT OR | 1598300000 K.92 |
| SL 5.00/03/180 3.2SN OR BX SL 5.00/03/180B 3.2SN OR BX | 1581330000 K.34 1581790000 K.35 | SL 5.08HC/06/180B 3.2SN OR BX SL 5.08HC/06/180F 3.2SN OR BX | 1147430000 K.73 1147260000 K.74 | SL 7.62HP/05/90G 3.2SN BK BX SL 7.62HP/05/90LF 3.2 SN BK BX | 1026790000 0.108 1095950000 0.109 | SLAT OR SLAT OR | 1598300000 K.93 1598300000 M.11 |
| SL 5.00/03/90 3.2SN OR BX | 1571140000 K.32 | SL 5.08HC/06/180G 3.2SN OR BX | 1146820000 K.73 | SL 7.62HP/06/180F 3.2 SN BK BX | 1140910000 0.111 | SLAT SW | 1770240000 K.22 |
| SL 5.00/03/90B 3.2SN OR BX | 1580870000 K.33 | SL 5.08HC/06/180LF 3.2SN OR BX | 1148020000 K.75 | SL 7.62HP/06/180G 3.2SN BK BX | 1048990000 0.110 | SLAT SW | 1770240000 K.24 |
| SL 5.00/04/135 3.2SN OR BX SL 5.00/04/135B 3.2SN OR BX | 1630270000 K.36 1630500000 K.37 | SL 5.08HC/06/90 3.2SN OR BX SL 5.08HC/06/90B 3.2SN OR BX | 1146810000 K.68 1148170000 K.69 | SL 7.62HP/06/180LF 3.2 SN BK BX SL 7.62HP/06/270G 3.2SN BK BX | 1141130000 0.111 1472280000 0.112 | SLAT SW SLAT SW | 1770240000 K.26 1770240000 K.28 |
| SL 5.00/04/180 3.2SN OR BX | 1581340000 K.34 | SL 5.08HC/06/90F 3.2SN OR BX | 1148740000 K.70 | SL 7.62HP/06/270LF 3.2SN BK BX | 1472410000 0.113 | SLAT SW | 1770240000 K.30 |
| SL 5.00/04/180B 3.2SN OR BX | 1581800000 K.35 | SL 5.08HC/06/90G 3.2SN OR BX | 1147400000 K.69 | SL 7.62HP/06/90F 3.2 SN BK BX | 1124250000 0.109 | SLAT SW | 1770240000 K.32 |
| SL 5.00/04/90 3.2SN OR BX SL 5.00/04/90B 3.2SN OR BX | 1571150000 K.32 1580880000 K.33 | SL 5.08HC/06/90LF 3.2SN OR BX SL 5.08HC/07/180 3.2SN OR BX | 1149510000 K.71 1146470000 K.72 | SL 7.62HP/06/90G 3.2SN BK BX SL 7.62HP/06/90LF 3.2 SN BK BX | 1059490000 0.108 1095960000 0.109 | SLAT SW SLAT SW | 1770240000 K.34 1770240000 K.36 |
| SL 5.00/05/135 3.2SN OR BX | 1630280000 K.36 | SL 5.08HC/07/180B 3.2SN OR BX | 1147470000 K.73 | SL 7.62HP/07/180F 3.2 SN BK BX | 1140920000 0.111 | SLAT SW | 1770240000 K.38 |
| SL 5.00/05/135B 3.2SN OR BX SL 5.00/05/180 3.2SN OR BX | 1630510000 K.37 1581350000 K.34 | SL 5.08HC/07/180F 3.2SN OR BX SL 5.08HC/07/180G 3.2SN OR BX | 1147290000 K.74 1146840000 K.73 | SL 7.62HP/07/180G 3.2SN BK BX SL 7.62HP/07/180LF 3.2 SN BK BX | 1122590000 0.110 1141140000 0.111 | SLAT SW SLAT SW | 1770240000 K.50 1770240000 K.52 |
| 0E 0.00/ 00/ 100 0.20N UN BA | 1581350000 K.34 | 0E 3.00110/07/1000 3.23N UR BX | 1146840000 K.73 | 0E 7.02111 / 07/ 100LF 3.2 3N BN BA | 1141140000 0.111 | OLAI OW | 1770240000 N.52 |
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| SL AT SW | 1770240000 K.54 | SL-SMT 3.50/05/180G 1.5SN BK RL | 1753014002 I.35 | SL-SMT 5.00HC/03/90 1.5SN BK RL | 1797630000 K.23 | SL-SMT 5.08HC/02/270GL 3.2SN BK BX | 1877470000 K.62 |
| SL AT SW | 1770240000 K.56 | SL-SMT 3.50/05/180G 3.2SN BK BX | 1842350000 I.34 | SL-SMT 5.00HC/03/90 3.2SN BK BX | 1839900000 K.22 | SL-SMT 5.08HC/02/90 1.5SN BK RL | 1821160000 K.51 |
| SL AT SW SL AT SW | 1770240000 K.58 1770240000 K.60 | SL-SMT 3.50/05/180LF 1.5SN BK RL SL-SMT 3.50/05/180LF 3.2SN BK BX | 1805250000 I.35 1842570000 I.35 | SL-SMT 5.00HC/03/90G 1.5SN BK RL SL-SMT 5.00HC/03/90G 3.2SN BK BX | 1797700000 K.23 1840130000 K.23 | SL-SMT 5.08HC/02/90 3.2SN BK BX SL-SMT 5.08HC/02/90F 3.2SN BK BX | 1779950000 K.50 1837630000 K.52 |
| SLAT SW | 1770240000 K.62 | SL-SMT 3.50/05/90F 3.2SN BK BX | 1842110000 I.32 | SL-SMT 5.00HC/03/90LF 1.5SN BK RL | 1797760000 K.25 | SL-SMT 5.08HC/02/90G 1.5SN BK RL | 1821140000 K.51 |
| SLAT SW | 1770240000 K.64 | SL-SMT 3.50/05/90G 1.5SN BK RL | 1761574002 I.31 | SL-SMT 5.00HC/03/90LF 3.2SN BK BX | 1840360000 K.24 | SL-SMT 5.08HC/02/90G 3.2SN BK BX | 1780180000 K.51 |
| SLAT SW | 1770240000 K.66 | SL-SMT 3.50/05/90G 3.2SN BK BX | 1841660000 1.30 | SL-SMT 5.00HC/04/180 1.5SN BK RL | 1797820000 K.27 | SL-SMT 5.08HC/02/90LF 1.5SN BK RL | 1775234001 K.55 |
| SL AT SW SL AT SW | 1770240000 K.68 1770240000 K.70 | SL-SMT 3.50/05/90LF 1.5SN BK RL SL-SMT 3.50/05/90LF 3.2SN BK BX | 1805340000 I.31 1841890000 I.31 | SL-SMT 5.00HC/04/180 3.2SN BK BX SL-SMT 5.00HC/04/180G 1.5SN BK RL | 1840940000 K.26 1797890000 K.27 | SL-SMT 5.08HC/02/90LF 3.2SN BK BX SL-SMT 5.08HC/03/180 1.5SN BK RL | 1780410000 K.54 1821110000 K.57 |
| SL AT SW | 1770240000 K.72 | SL-SMT 3.50/05/90RF 1.5SN BK BX | 1000610000 I.33 | SL-SMT 5.00HC/04/180G 3.2SN BK BX | 1841180000 K.27 | SL-SMT 5.08HC/03/180 3.2SN BK BX | 1837990000 K.56 |
| SL AT SW | 1770240000 K.74 | SL-SMT 3.50/06/135F 3.2SN BK BX | 1003550000 I.41 | SL-SMT 5.00HC/04/180LF 1.5SN BK RL | 1797950000 K.29 | SL-SMT 5.08HC/03/180F 3.2SN BK BX | 1820600000 K.58 |
| SLAT SW | 1770240000 K.76 | SL-SMT 3.50/06/180G 1.5SN BK RL | 1753024001 1.35 | SL-SMT 5.00HC/04/180LF 3.2SN BK BX | 1841410000 K.28 | SL-SMT 5.08HC/03/180G 1.5SN BK RL | 1775934001 K.57 |
| SL AT SW SL AT SW | 1770240000 K.78 1770240000 K.80 | SL-SMT 3.50/06/180G 3.2SN BK BX SL-SMT 3.50/06/180LF 1.5SN BK RL | 1842360000 I.34 1805270000 I.35 | SL-SMT 5.00HC/04/90 1.5SN BK RL SL-SMT 5.00HC/04/90 3.2SN BK BX | 1797640000 K.23 1839910000 K.22 | SL-SMT 5.08HC/03/180G 3.2SN BK BX SL-SMT 5.08HC/03/180LF 1.5SN BK RL | 1838220000 K.57 1776374001 K.61 |
| SL AT SW | 1770240000 K.82 | SL-SMT 3.50/06/180LF 3.2SN BK BX | 1842580000 I.35 | SL-SMT 5.00HC/04/90G 1.5SN BK RL | 1797710000 K.23 | SL-SMT 5.08HC/03/180LF 3.2SN BK BX | 1838450000 K.60 |
| SL AT SW | 1770240000 K.86 | SL-SMT 3.50/06/90F 3.2SN BK BX | 1842120000 I.32 | SL-SMT 5.00HC/04/90G 3.2SN BK BX | 1840140000 K.23 | SL-SMT 5.08HC/03/270FH 1.5SN BK RL | 1876930000 K.65 |
| SL AT SW | 1770240000 K.90 | SL-SMT 3.50/06/90G 1.5SN BK RL | 1761584001 I.31 1841670000 I.30 | SL-SMT 5.00HC/04/90LF 1.5SN BK RL | 1797770000 K.25 1840370000 K.24 | SL-SMT 5.08HC/03/270FH 3.2SN BK BX SL-SMT 5.08HC/03/270FL 1.5SN BK RL | 1877210000 K.65 |
| SL AT SW SL AT SW | 1770240000 K.92 1770240000 K.93 | SL-SMT 3.50/06/90G 3.2SN BK BX SL-SMT 3.50/06/90LF 1.5SN BK RL | 1841670000 I.30 1805350000 I.31 | SL-SMT 5.00HC/04/90LF 3.2SN BK BX SL-SMT 5.00HC/05/180 1.5SN BK RL | 1840370000 K.24 1797830000 K.27 | SL-SMT 5.08HC/03/270FL 1.55N BK RL | 1877000000 K.65 1876860000 K.64 |
| SL AT SW | 1770240000 M.11 | SL-SMT 3.50/06/90LF 3.2SN BK BX | 1841900000 I.31 | SL-SMT 5.00HC/05/180 3.2SN BK BX | 1840950000 K.26 | SL-SMT 5.08HC/03/270GH 1.5SN BK RL | 1877600000 K.63 |
| SL FLA 1.5/1 | 1580100000 K.22 | SL-SMT 3.50/06/90RF 1.5SN BK BX | 1000620000 I.33 | SL-SMT 5.00HC/05/180G 1.5SN BK RL | 1797900000 K.27 | SL-SMT 5.08HC/03/270GH 3.2SN BK BX | 1877380000 K.63 |
| SL FLA 1.5/1 SL FLA 1.5/1 | 1580100000 K.24 1580100000 K.32 | SL-SMT 3.50/07/135F 3.2SN BK BX SL-SMT 3.50/07/180G 1.5SN BK RL | 1003560000 I.41 1753034001 I.35 | SL-SMT 5.00HC/05/180G 3.2SN BK BX SL-SMT 5.00HC/05/180LF 1.5SN BK RL | 1841190000 K.27 1797960000 K.29 | SL-SMT 5.08HC/03/270GL 1.5SN BK RL SL-SMT 5.08HC/03/270GL 3.2SN BK BX | 1877750000 K.63 1877490000 K.62 |
| SL FLA 1.5/1 | 1580100000 K.50 | SL-SMT 3.50/07/180G 3.2SN BK BX | 1842370000 I.34 | SL-SMT 5.00HC/05/180LF 3.2SN BK BX | 1841420000 K.28 | SL-SMT 5.08HC/03/27/08L 3.23N BK BX | 1821170000 K.51 |
| SL FLA 1.5/1 | 1580100000 K.52 | SL-SMT 3.50/07/180LF 1.5SN BK RL | 1805280000 I.35 | SL-SMT 5.00HC/05/90 1.5SN BK RL | 1797650000 K.23 | SL-SMT 5.08HC/03/90 3.2SN BK BX | 1779960000 K.50 |
| SL FLA 1.5/1 | 1580100000 K.54 | SL-SMT 3.50/07/180LF 3.2SN BK BX | 1842590000 I.35 | SL-SMT 5.00HC/05/90 3.2SN BK BX | 1839920000 K.22 | SL-SMT 5.08HC/03/90F 3.2SN BK BX | 1837640000 K.52 |
| SL FLA 1.5/1 SL FLA 1.5/1 | 1580100000 K.68 1580100000 K.70 | SL-SMT 3.50/07/90F 3.2SN BK BX SL-SMT 3.50/07/90G 1.5SN BK RL | 1842130000 I.32 1761594001 I.31 | SL-SMT 5.00HC/05/90G 1.5SN BK RL SL-SMT 5.00HC/05/90G 3.2SN BK BX | 1797720000 K.23 1840150000 K.23 | SL-SMT 5.08HC/03/90G 1.5SN BK RL SL-SMT 5.08HC/03/90G 3.2SN BK BX | 1775014001 K.51 1780190000 K.51 |
| SL FLA 1.5/1 | 1580100000 K.70 | SL-SMT 3.50/07/90G 3.2SN BK BX | 1841680000 I.30 | SL-SMT 5.00HC/05/90LF 1.5SN BK RL | 1797780000 K.25 | SL-SMT 5.08HC/03/90LF 1.5SN BK RL | 1775244001 K.55 |
| SL FLA 2,3/1 | 1636670000 K.22 | SL-SMT 3.50/07/90LF 1.5SN BK RL | 1805360000 I.31 | SL-SMT 5.00HC/05/90LF 3.2SN BK BX | 1840380000 K.24 | SL-SMT 5.08HC/03/90LF 3.2SN BK BX | 1780420000 K.54 |
| SL FLA 2,3/1 | 1636670000 K.24 | SL-SMT 3.50/07/90LF 3.2SN BK BX | 1841910000 I.31 | SL-SMT 5.00HC/06/180 1.5SN BK RL | 1797840000 K.27 | SL-SMT 5.08HC/04/180 1.5SN BK RL | 1775594001 K.57 |
| SL FLA 2,3/1 SL FLA 2,3/1 | 1636670000 K.32 1636670000 K.50 | SL-SMT 3.50/07/90RF 1.5SN BK BX SL-SMT 3.50/08/135F 3.2SN BK BX | 1000630000 I.33 1003570000 I.41 | SL-SMT 5.00HC/06/180 3.2SN BK BX SL-SMT 5.00HC/06/180G 1.5SN BK RL | 1840960000 K.26 1797910000 K.27 | SL-SMT 5.08HC/04/180 3.2SN BK BX SL-SMT 5.08HC/04/180F 3.2SN BK BX | 1838000000 K.56 1837870000 K.58 |
| SL FLA 2,3/1 SL FLA 2,3/1 | 1636670000 K.50 | SESMT 3.50/08/180G 1.5SN BK RL | 1753044001 1.35 | SL-SMT 5.00HC/06/180G 1.55N BK HL | 1841200000 K.27 | SL-SMT 5.08HC/04/180G 1.5SN BK RL | 1775944001 K.58 |
| SL FLA 2,3/1 | 1636670000 K.54 | SL-SMT 3.50/08/180G 3.2SN BK BX | 1842380000 I.34 | SL-SMT 5.00HC/06/180LF 1.5SN BK RL | 1797970000 K.29 | SL-SMT 5.08HC/04/180G 3.2SN BK BX | 1838230000 K.57 |
| SL FLA 2,3/1 | 1636670000 K.68 | SL-SMT 3.50/08/180LF 1.5SN BK RL | 1805290000 I.35 | SL-SMT 5.00HC/06/180LF 3.2SN BK BX | 1841430000 K.28 | SL-SMT 5.08HC/04/180LF 1.5SN BK RL | 1776384001 K.61 |
| SL FLA 2,3/1 SL FLA 2,3/1 | 1636670000 K.70 1636670000 M.9 | SL-SMT 3.50/08/180LF 3.2SN BK BX SL-SMT 3.50/08/90F 3.2SN BK BX | 1842600000 I.35 1842140000 I.32 | SL-SMT 5.00HC/06/90 1.5SN BK RL SL-SMT 5.00HC/06/90 3.2SN BK BX | 1797660000 K.23 1839930000 K.22 | SL-SMT 5.08HC/04/180LF 3.2SN BK BX SL-SMT 5.08HC/04/270FH 1.5SN BK RL | 1838460000 K.60 1876940000 K.65 |
| SL FLA 2,3/24 | 1636680000 K.22 | SL-SMT 3.50/08/90G 1.5SN BK RL | 1761604001 I.31 | SL-SMT 5.00HC/06/90G 1.5SN BK RL | 1797730000 K.23 | SL-SMT 5.08HC/04/270FH 3.2SN BK BX | 1877330000 K.65 |
| SL FLA 2,3/24 | 1636680000 K.24 | SL-SMT 3.50/08/90G 3.2SN BK BX | 1841690000 I.30 | SL-SMT 5.00HC/06/90G 3.2SN BK BX | 1840160000 K.23 | SL-SMT 5.08HC/04/270FL 1.5SN BK RL | 1877020000 K.65 |
| SL FLA 2,3/24 | 1636680000 K.32 | SL-SMT 3.50/08/90LF 1.5SN BK RL | 1805370000 I.31 | SL-SMT 5.00HC/06/90LF 1.5SN BK RL | 1797790000 K.25 | SL-SMT 5.08HC/04/270FL 3.2SN BK BX | 1876870000 K.64 |
| SL FLA 2,3/24 SL FLA 2,3/24 | 1636680000 K.50 1636680000 K.52 | SL-SMT 3.50/08/90LF 3.2SN BK BX SL-SMT 3.50/08/90RF 1.5SN BK BX | 1841920000 I.31 1000640000 I.33 | SL-SMT 5.00HC/06/90LF 3.2SN BK BX SL-SMT 5.00HC/07/180 1.5SN BK RL | 1840390000 K.24 1797850000 K.27 | SL-SMT 5.08HC/04/270GH 1.5SN BK RL SL-SMT 5.08HC/04/270GH 3.2SN BK BX | 1877610000 K.63 1877390000 K.63 |
| SL FLA 2,3/24 | 1636680000 K.54 | SL-SMT 3.50/09/135F 3.2SN BK BX | 1003580000 I.41 | SL-SMT 5.00HC/07/180 3.2SN BK BX | 1840970000 K.26 | SL-SMT 5.08HC/04/270GL 1.5SN BK RL | 1877760000 K.63 |
| SL FLA 2,3/24 | 1636680000 K.68 | SL-SMT 3.50/09/180G 1.5SN BK RL | 1753054001 I.35 | SL-SMT 5.00HC/07/180G 1.5SN BK RL | 1797920000 K.27 | SL-SMT 5.08HC/04/270GL 3.2SN BK BX | 1877510000 K.62 |
| SL FLA 2,3/24 | 1636680000 K.70 | SL-SMT 3.50/09/180G 3.2SN BK BX | 1842390000 I.34 | SL-SMT 5.00HC/07/180G 3.2SN BK BX | 1841210000 K.27 | SL-SMT 5.08HC/04/90 1.5SN BK RL | 1774784001 K.51 |
| SL FLA 2,3/24 SL FLA 3.8/1 | 1636680000 M.9 1580110000 K.22 | SL-SMT 3.50/09/180LF 1.5SN BK RL SL-SMT 3.50/09/180LF 3.2SN BK BX | 1805300000 I.35 1842610000 I.35 | SL-SMT 5.00HC/07/180LF 3.2SN BK BX SL-SMT 5.00HC/07/90 1.5SN BK RL | 1841440000 K.28 1797670000 K.23 | SL-SMT 5.08HC/04/90 3.2SN BK BX SL-SMT 5.08HC/04/90F 3.2SN BK BX | 1779970000 K.50 1837650000 K.52 |
| SL FLA 3.8/1 | 1580110000 K.24 | SL-SMT 3.50/09/90F 3.2SN BK BX | 1842150000 I.32 | SL-SMT 5.00HC/07/90 3.2SN BK BX | 1839940000 K.22 | SL-SMT 5.08HC/04/90G 1.5SN BK RL | 1775024001 K.51 |
| SL FLA 3.8/1 | 1580110000 K.32 | SL-SMT 3.50/09/90G 1.5SN BK RL | 1761614001 I.31 | SL-SMT 5.00HC/07/90G 1.5SN BK RL | 1797740000 K.23 | SL-SMT 5.08HC/04/90G 3.2SN BK BX | 1780200000 K.51 |
| SL FLA 3.8/1 | 1580110000 K.50 | SL-SMT 3.50/09/90G 3.2SN BK BX | 1841700000 I.30 1805380000 I.31 | SL-SMT 5.00HC/07/90G 3.2SN BK BX | 1840170000 K.23 1840400000 K.24 | SL-SMT 5.08HC/04/90LF 1.5SN BK RL | 1775254001 K.55 1780430000 K.54 |
| SL FLA 3.8/1 SL FLA 3.8/1 | 1580110000 K.52 1580110000 K.54 | SL-SMT 3.50/09/90LF 1.5SN BK RL SL-SMT 3.50/09/90LF 3.2SN BK BX | 1805380000 I.31 1841930000 I.31 | SL-SMT 5.00HC/07/90LF 3.2SN BK BX SL-SMT 5.00HC/08/180 1.5SN BK RL | 1840400000 K.24 1797860000 K.27 | SL-SMT 5.08HC/04/90LF 3.2SN BK BX SL-SMT 5.08HC/05/180 1.5SN BK RL | 1775634001 K.57 |
| SL FLA 3.8/1 | 1580110000 K.68 | SL-SMT 3.50/09/90RF 1.5SN BK BX | 1000650000 I.33 | SL-SMT 5.00HC/08/180 3.2SN BK BX | 1840980000 K.26 | SL-SMT 5.08HC/05/180 3.2SN BK BX | 1838010000 K.56 |
| SL FLA 3.8/1 | 1580110000 K.70 | SL-SMT 3.50/10/135F 3.2SN BK BX | 1003590000 I.41 | SL-SMT 5.00HC/08/180G 1.5SN BK RL | 1110720000 K.27 | SL-SMT 5.08HC/05/180F 3.2SN BK BX | 1820770000 K.58 |
| SL FLA 3.8/1 SL FLA 9.0/1 | 1580110000 M.9 1580120000 K.22 | SL-SMT 3.50/10/180G 1.5SN BK RL SL-SMT 3.50/10/180G 3.2SN BK BX | 1753064001 I.35 1836990000 I.34 | SL-SMT 5.00HC/08/180G 3.2SN BK BX SL-SMT 5.00HC/08/180LF 3.2SN BK BX | 1841220000 K.27 1841450000 K.28 | SL-SMT 5.08HC/05/180G 1.5SN BK RL SL-SMT 5.08HC/05/180G 3.2SN BK BX | 1775954001 K.57 1838240000 K.57 |
| SL FLA 9.0/1 | 1580120000 K.24 | SL-SMT 3.50/10/180LF 1.5SN BK RL | 1936340000 I.35 | SL-SMT 5.00HC/08/90 1.5SN BK RL | 1797680000 K.23 | SL-SMT 5.08HC/05/180LF 1.5SN BK RL | 1776394001 K.61 |
| SL FLA 9.0/1 | 1580120000 K.32 | SL-SMT 3.50/10/180LF 3.2SN BK BX | 1842620000 I.35 | SL-SMT 5.00HC/08/90 3.2SN BK BX | 1839950000 K.22 | SL-SMT 5.08HC/05/180LF 3.2SN BK BX | 1838470000 K.60 |
| SL FLA 9.0/1 | 1580120000 K.50 | SL-SMT 3.50/10/90F 3.2SN BK BX | 1842160000 I.32 | SL-SMT 5.00HC/08/90G 3.2SN BK BX SL-SMT 5.00HC/08/90LF 3.2SN BK BX | 1840180000 K.23 | SL-SMT 5.08HC/05/270FH 1.5SN BK RL | 1876950000 K.65 |
| SL FLA 9.0/1 SL FLA 9.0/1 | 1580120000 K.52 1580120000 K.54 | SL-SMT 3.50/10/90G 1.5SN BK RL SL-SMT 3.50/10/90G 3.2SN BK BX | 1761624001 I.31 1841710000 I.30 | SL-SMT 5.00HC/09/180 3.2SN BK BX | 1840410000 K.24 1840990000 K.26 | SL-SMT 5.08HC/05/270FH 3.2SN BK BX SL-SMT 5.08HC/05/270FL 1.5SN BK RL | 1877430000 K.65 1877070000 K.65 |
| SL FLA 9.0/1 | 1580120000 K.68 | SL-SMT 3.50/10/90LF 1.5SN BK RL | 1005180000 I.31 | SL-SMT 5.00HC/09/180G 3.2SN BK BX | 1841230000 K.27 | SL-SMT 5.08HC/05/270FL 3.2SN BK BX | 1876880000 K.64 |
| SL FLA 9.0/1 | 1580120000 K.70 | SL-SMT 3.50/10/90LF 3.2SN BK BX | 1841940000 I.31 | SL-SMT 5.00HC/09/180LF 3.2SN BK BX | 1841460000 K.28 | SL-SMT 5.08HC/05/270GH 1.5SN BK RL | 1877620000 K.63 |
| SL FLA 9.0/1 SL-SMT 3.50/02/135F 3.2SN BK BX | 1580120000 M.9 1003510000 I.41 | SL-SMT 3.50/10/90RF 1.5SN BK BX SL-SMT 3.50/11/135F 3.2SN BK BX | 1060780000 I.33 1003600000 I.41 | SL-SMT 5.00HC/09/90 3.2SN BK BX SL-SMT 5.00HC/09/90G 3.2SN BK BX | 1839960000 K.22 1840190000 K.23 | SL-SMT 5.08HC/05/270GH 3.2SN BK BX SL-SMT 5.08HC/05/270GL 1.5SN BK RL | 1877400000 K.63 1877770000 K.63 |
| SL-SMT 3.50/02/180G 1.5SN BK BL | 1752984002 1.35 | SL-SMT 3.50/11/180G 1.5SN BK BL | 1753074001 1.35 | SL-SMT 5.00HC/09/90LF 3.2SN BK BX | 1840420000 K.23 | SL-SMT 5.08HC/05/270GL 3.2SN BK BX | 1877520000 K.62 |
| SL-SMT 3.50/02/180G 3.2SN BK BX | 1842320000 I.34 | SL-SMT 3.50/11/180G 3.2SN BK BX | 1842400000 I.34 | SL-SMT 5.00HC/10/180 3.2SN BK BX | 1841000000 K.26 | SL-SMT 5.08HC/05/90 1.5SN BK RL | 1774794001 K.51 |
| SL-SMT 3.50/02/180LF 1.5SN BK RL | 1805210000 I.35 | SL-SMT 3.50/11/180LF 3.2SN BK BX | 1842630000 I.35 | SL-SMT 5.00HC/10/180G 3.2SN BK BX | 1841240000 K.27 | SL-SMT 5.08HC/05/90 3.2SN BK BX | 1779980000 K.50 |
| SL-SMT 3.50/02/180LF 3.2SN BK BX SL-SMT 3.50/02/90F 3.2SN BK BX | 1842540000 I.35 1842080000 I.32 | SL-SMT 3.50/11/90F 3.2SN BK BX SL-SMT 3.50/11/90G 1.5SN BK RL | 1842170000 I.32 1761634001 I.31 | SL-SMT 5.00HC/10/180LF 3.2SN BK BX SL-SMT 5.00HC/10/90 3.2SN BK BX | 1841470000 K.28 1839970000 K.22 | SL-SMT 5.08HC/05/90F 3.2SN BK BX SL-SMT 5.08HC/05/90G 1.5SN BK RL | 1837660000 K.52 1775034001 K.51 |
| SL-SMT 3.50/02/90G 1.5SN BK RL | 1761544002 I.31 | SL-SMT 3.50/11/90G 3.2SN BK BX | 1841720000 I.30 | SL-SMT 5.00HC/10/90G 3.2SN BK BX | 1840200000 K.23 | SL-SMT 5.08HC/05/90G 3.2SN BK BX | 1780210000 K.51 |
| SL-SMT 3.50/02/90G 3.2SN BK BX | 1841630000 I.30 | SL-SMT 3.50/11/90LF 3.2SN BK BX | 1841950000 I.31 | SL-SMT 5.00HC/10/90LF 3.2SN BK BX | 1840430000 K.24 | SL-SMT 5.08HC/05/90LF 1.5SN BK RL | 1775264001 K.55 |
| SL-SMT 3.50/02/90LF 1.5SN BK RL | 1805310000 I.31 1841860000 I.31 | SL-SMT 3.50/11/90RF 1.5SN BK BX SL-SMT 3.50/12/135F 3.2SN BK BX | 1000660000 I.33 1003620000 I.41 | SL-SMT 5.00HC/11/180 3.2SN BK BX | 1841020000 K.26 | SL-SMT 5.08HC/05/90LF 3.2SN BK BX | 1780440000 K.54 |
| SL-SMT 3.50/02/90LF 3.2SN BK BX SL-SMT 3.50/02/90RF 1.5SN BK BX | 1841860000 I.31 1379610000 I.33 | SL-SMT 3.50/12/130F 3.25N BK BX | 1003620000 I.41 1842410000 I.34 | SL-SMT 5.00HC/11/180G 3.2SN BK BX SL-SMT 5.00HC/11/180LF 3.2SN BK BX | 1841250000 K.27 1841480000 K.28 | SL-SMT 5.08HC/06/180 1.5SN BK RL SL-SMT 5.08HC/06/180 3.2SN BK BX | 1775644001 K.57 1838020000 K.56 |
| SL-SMT 3.50/03/135F 3.2SN BK BX | 1003520000 I.41 | SL-SMT 3.50/12/180LF 3.2SN BK BX | 1842640000 I.35 | SL-SMT 5.00HC/11/90 3.2SN BK BX | 1839980000 K.22 | SL-SMT 5.08HC/06/180F 3.2SN BK BX | 1820610000 K.58 |
| SL-SMT 3.50/03/180G 1.5SN BK RL | 1752994002 I.35 | SL-SMT 3.50/12/90F 3.2SN BK BX | 1842180000 I.32 | SL-SMT 5.00HC/11/90G 3.2SN BK BX | 1840210000 K.23 | SL-SMT 5.08HC/06/180G 1.5SN BK RL | 1775964001 K.57 |
| SL-SMT 3.50/03/180G 3.2SN BK BX SL-SMT 3.50/03/180LF 1.5SN BK RL | 1842330000 I.34 1805230000 I.35 | SL-SMT 3.50/12/90G 3.2SN BK BX SL-SMT 3.50/12/90LF 3.2SN BK BX | 1841730000 I.30 1804340000 I.31 | SL-SMT 5.00HC/11/90LF 3.2SN BK BX SL-SMT 5.00HC/12/180 3.2SN BK BX | 1840440000 K.24 1841030000 K.26 | SL-SMT 5.08HC/06/180G 3.2SN BK BX SL-SMT 5.08HC/06/180LF 1.5SN BK RL | 1838250000 K.57 1776404001 K.61 |
| SL-SMT 3.50/03/180LF 3.2SN BK BX | 1842550000 I.35 | SL-SMT 3.50/12/90RF 1.5SN BK BX | 1000670000 1.33 | SL-SMT 5.00HC/12/180G 3.2SN BK BX | 1841260000 K.27 | SL-SMT 5.08HC/06/180LF 3.2SN BK BX | 1838480000 K.60 |
| SL-SMT 3.50/03/90F 3.2SN BK BX | 1842090000 I.32 | SL-SMT 5.00HC/02/180 1.5SN BK RL | 1797800000 K.27 | SL-SMT 5.00HC/12/180LF 3.2SN BK BX | 1841490000 K.28 | SL-SMT 5.08HC/06/270FH 1.5SN BK RL | 1876960000 K.65 |
| SL-SMT 3.50/03/90G 1.5SN BK RL | 1761554002 I.31 | SL-SMT 5.00HC/02/180 3.2SN BK BX | 1840920000 K.26 | SL-SMT 5.00HC/12/90 3.2SN BK BX | 1839990000 K.22 | SL-SMT 5.08HC/06/270FH 3.2SN BK BX | 1877460000 K.65 |
| SL-SMT 3.50/03/90G 3.2SN BK BX SL-SMT 3.50/03/90LF 1.5SN BK RL | 1841640000 I.30 1805320000 I.31 | SL-SMT 5.00HC/02/180G 1.5SN BK RL SL-SMT 5.00HC/02/180G 3.2SN BK BX | 1797870000 K.27 1841160000 K.27 | SL-SMT 5.00HC/12/90G 3.2SN BK BX SL-SMT 5.00HC/12/90LF 3.2SN BK BX | 1840220000 K.23 1840450000 K.24 | SL-SMT 5.08HC/06/270FL 1.5SN BK RL SL-SMT 5.08HC/06/270FL 3.2SN BK BX | 1877090000 K.65 1876890000 K.64 |
| SL-SMT 3.50/03/90LF 3.2SN BK BX | 1841870000 I.31 | SL-SMT 5.00HC/02/180LF 1.5SN BK RL | 1797930000 K.29 | SL-SMT 5.08HC/02/180 1.5SN BK RL | 1821100000 K.24 | SL-SMT 5.08HC/06/270GH 1.5SN BK RL | 1877630000 K.63 |
| SL-SMT 3.50/03/90RF 1.5SN BK BX | 1060810000 I.33 | SL-SMT 5.00HC/02/180LF 3.2SN BK BX | 1841390000 K.28 | SL-SMT 5.08HC/02/180 3.2SN BK BX | 1837980000 K.56 | SL-SMT 5.08HC/06/270GH 3.2SN BK BX | 1877410000 K.63 |
| SL-SMT 3.50/04/135F 3.2SN BK BX | 1003530000 1.41 | SL-SMT 5.00HC/02/90 1.5SN BK RL | 1797620000 K.23 | SL-SMT 5.08HC/02/180F 3.2SN BK BX | 1837860000 K.58 | SL-SMT 5.08HC/06/270GL 1.5SN BK RL | 1877780000 K.63 |
| SL-SMT 3.50/04/180G 1.5SN BK RL SL-SMT 3.50/04/180G 3.2SN BK BX | 1753004002 I.35 1842340000 I.34 | SL-SMT 5.00HC/02/90 3.2SN BK BX SL-SMT 5.00HC/02/90G 1.5SN BK RL | 1839890000 K.22 1797690000 K.23 | SL-SMT 5.08HC/02/180G 1.5SN BK RL SL-SMT 5.08HC/02/180G 3.2SN BK BX | 1820170000 K.57 1838210000 K.57 | SL-SMT 5.08HC/06/270GL 3.2SN BK BX SL-SMT 5.08HC/06/90 1.5SN BK RL | 1877530000 K.62 1774804001 K.51 |
| SL-SMT 3.50/04/180LF 1.5SN BK RL | 1805240000 I.35 | SL-SMT 5.00HC/02/90G 3.2SN BK BX | 1840120000 K.23 | SL-SMT 5.08HC/02/180LF 1.5SN BK RL | 1776364001 K.61 | SL-SMT 5.08HC/06/90 3.2SN BK BX | 1774804001 K.51 |
| SL-SMT 3.50/04/180LF 3.2SN BK BX | 1842560000 I.35 | SL-SMT 5.00HC/02/90LF 1.5SN BK RL | 1797750000 K.25 | SL-SMT 5.08HC/02/180LF 3.2SN BK BX | 1838440000 K.60 | SL-SMT 5.08HC/06/90F 3.2SN BK BX | 1837670000 K.52 |
| SL-SMT 3.50/04/90F 3.2SN BK BX | 1842100000 I.32 | SL-SMT 5.00HC/02/90LF 3.2SN BK BX | 1840350000 K.24 | SL-SMT 5.08HC/02/270FH 1.5SN BK RL | 1876920000 K.65 | SL-SMT 5.08HC/06/90G 1.5SN BK RL | 1775044001 K.51 |
| SL-SMT 3.50/04/90G 1.5SN BK RL SL-SMT 3.50/04/90G 3.2SN BK BX | 1761564001 I.31 1841650000 I.30 | SL-SMT 5.00HC/03/180 1.5SN BK RL SL-SMT 5.00HC/03/180 3.2SN BK BX | 1797810000 K.27 1840930000 K.26 | SL-SMT 5.08HC/02/270FH 3.2SN BK BX SL-SMT 5.08HC/02/270FL 1.5SN BK RL | 1877190000 K.65 1876990000 K.65 | SL-SMT 5.08HC/06/90G 3.2SN BK BX SL-SMT 5.08HC/06/90LF 1.5SN BK RL | 1780220000 K.51 1775274001 K.55 |
| SL-SMT 3.50/04/90LF 1.5SN BK RL | 1805330000 I.31 | SL-SMT 5.00HC/03/180G 1.5SN BK RL | 1797880000 K.27 | SL-SMT 5.08HC/02/270FL 3.2SN BK BX | 1876850000 K.64 | SL-SMT 5.08HC/06/90LF 3.2SN BK BX | 1780450000 K.54 |
| SL-SMT 3.50/04/90LF 3.2SN BK BX | 1841880000 I.31 | SL-SMT 5.00HC/03/180G 3.2SN BK BX | 1841170000 K.27 | SL-SMT 5.08HC/02/270GH 1.5SN BK RL | 1877560000 K.63 | SL-SMT 5.08HC/07/180 1.5SN BK RL | 1775654001 K.57 |
| SL-SMT 3.50/04/90RF 1.5SN BK BX SL-SMT 3.50/05/135F 3.2SN BK BX | 1000600000 I.33 1003540000 I.41 | SL-SMT 5.00HC/03/180LF 1.5SN BK RL SL-SMT 5.00HC/03/180LF 3.2SN BK BX | 1797940000 K.29 1841400000 K.28 | SL-SMT 5.08HC/02/270GH 3.2SN BK BX SL-SMT 5.08HC/02/270GL 1.5SN BK RL | 1877370000 K.63 1877740000 K.63 | SL-SMT 5.08HC/07/180 3.2SN BK BX SL-SMT 5.08HC/07/180F 3.2SN BK BX | 1838030000 K.56 1837880000 K.58 |
| GE SINT 3.30/03/133F 3.23N BK BX | 1000040000 1.41 | GE SWIT G.UUIIG/UG/ TOULF 3.25N BK BX | 10+140000U N.28 | 0.00H 0.00H6/0Z/Z/00E 1.00N BK KL | 1077740000 K.03 | 0E 3W1 3.00116/07/100F 3.23N BN BA | 1007000UUU N.38 |

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|--------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------|--------------------------------------|
| SL-SMT 5.08HC/07/180G 1.5SN BK RL | 1775974001 K.57 | SLD 3.50 V/06/180F 3.2 SN OR BX | 1891060000 I.47 | SLD 5.08/20/180G 3.2SN OR BX | 1602470000 K.79 | SLDV-THR 5.08/18/180F 3.2SN BK BX | 1828840000 K.66 |
| SL-SMT 5.08HC/07/180G 3.2SN BK BX | 1838260000 K.57 | SLD 3.50 V/08/180F 3.2 SN OR BX | 1641250000 I.47 | SLD 5.08/20/90G 3.2SN OR BX | 1601870000 K.78 | SLDV-THR 5.08/18/180FLF 3.2SN BK BX | 1829080000 K.67 |
| SL-SMT 5.08HC/07/180LF 3.2SN BK BX SL-SMT 5.08HC/07/270FH 1.5SN BK RL | 1838490000 K.60 1876970000 K.65 | SLD 3.50 V/08/90F 3.2 SN OR BX SLD 3.50 V/10/180F 3.2 SN OR BX | 1642380000 I.45 1891070000 I.47 | SLD 5.08/22/180G 3.2SN OR BX SLD 5.08/22/90G 3.2SN OR BX | 1602480000 K.79 1601880000 K.78 | SLDV-THR 5.08/20/180F 3.2SN BK BX SLDV-THR 5.08/20/180FLF 3.2SN BK BX | 1828850000 K.66 1829090000 K.67 |
| SL-SMT 5.08HC/07/270FH 3.2SN BK BX | 1877480000 K.65 | SLD 3.50 V/12/180F 3.2 SN OR BX | 1641260000 I.47 1642390000 I.45 | SLD 5.08/24/180G 3.2SN OR BX | 1602490000 K.79 | SLDV-THR 5.08/22/180F 3.2SN BK BX | 1828860000 K.66 1829100000 K.67 |
| SL-SMT 5.08HC/07/270FL 1.5SN BK RL SL-SMT 5.08HC/07/270FL 3.2SN BK BX | 1877110000 K.65 1876900000 K.64 | SLD 3.50 V/12/90F 3.2 SN OR BX SLD 3.50 V/14/180F 3.2 SN OR BX | 1642390000 I.45 1891080000 I.47 | SLD 5.08/24/90G 3.2SN OR BX SLD 5.08V/04/180 3.2SN OR BX | 1601890000 K.78 1725650000 K.77 | SLDV-THR 5.08/22/180FLF 3.2SN BK BX SLDV-THR 5.08/24/180F 3.2SN BK BX | 1829100000 K.67 1828870000 K.66 |
| SL-SMT 5.08HC/07/270GH 1.5SN BK RL SL-SMT 5.08HC/07/270GH 3.2SN BK BX | 1877640000 K.63 1877420000 K.63 | SLD 3.50 V/16/180F 3.2 SN OR BX SLD 3.50 V/16/90F 3.2 SN OR BX | 1641270000 I.47 1642400000 I.45 | SLD 5.08V/04/90 3.2 SN OR BX SLD 5.08V/06/180 3.2 SN OR BX | 1725170000 K.76 1725660000 K.77 | SLDV-THR 5.08/24/180FLF 3.2SN BK BX SLF 5.08/02/180 SN OR BX | 1829110000 K.67 1335330000 K.94 |
| SL-SMT 5.08HC/07/270GL 1.5SN BK RL | 1877790000 K.63 | SLD 3.50 V/18/180F 3.2 SN OR BX | 1891090000 I.47 | SLD 5.08V/06/90 3.2 SN OR BX | 1725180000 K.77 | SLF 5.08/02/180B SN OR BX | 1335440000 K.95 |
| SL-SMT 5.08HC/07/270GL 3.2SN BK BX SL-SMT 5.08HC/07/90 1.5SN BK RL | 1877540000 K.62 1774814001 K.51 | SLD 3.50 V/20/180F 3.2 SN OR BX SLD 3.50 V/20/90F 3.2 SN OR BX | 1641280000 I.47 1642410000 I.45 | SLD 5.08V/08/180 3.2SN OR BX SLD 5.08V/08/90 3.2 SN OR BX | 1725670000 K.77 1725190000 K.76 | SLF 5.08/02/180DF SN OR BX SLF 5.08/02/180F SN OR BX | 1353580000 K.84 1335590000 K.95 |
| SL-SMT 5.08HC/07/90 3.2SN BK BX | 1780000000 K.50 | SLD 3.50 V/22/180F 3.2 SN OR BX | 1891100000 I.47 | SLD 5.08V/10/180 3.2SN OR BX | 1725680000 K.77 | SLF 5.08/02/180FI SN OR BX | 1336400000 K.95 |
| SL-SMT 5.08HC/07/90F 3.2SN BK BX SL-SMT 5.08HC/07/90G 1.5SN BK RL | 1837680000 K.52 1775054001 K.51 | SLD 3.50 V/24/180F 3.2 SN OR BX SLD 3.50 V/24/90F 3.2 SN OR BX | 1641290000 I.47 1642420000 I.45 | SLD 5.08V/10/90 3.2 SN OR BX SLD 5.08V/12/180 3.2SN OR BX | 1725200000 K.76 1725690000 K.77 | SLF 5.08/03/180 SN OR BX SLF 5.08/03/180B SN OR BX | 1335340000 K.94 1335450000 K.95 |
| SL-SMT 5.08HC/07/90G 3.2SN BK BX | 1780230000 K.51 | SLD 3.50/04/90F 3.2SN OR BX | 1633810000 I.43 | SLD 5.08V/12/90 3.2 SN OR BX | 1725210000 K.76 | SLF 5.08/03/180DF SN OR BX | 1353590000 K.84 |
| SL-SMT 5.08HC/07/90LF 3.2SN BK BX SL-SMT 5.08HC/08/180 1.5SN BK RL | 1780460000 K.54 1775664001 K.57 | SLD 3.50/04/90G 3.2SN OR BX SLD 3.50/06/90F 3.2SN OR BX | 1633580000 I.42 1633820000 I.43 | SLD 5.08V/14/180 3.2SN OR BX SLD 5.08V/14/90 3.2 SN OR BX | 1725700000 K.77 1725220000 K.76 | SLF 5.08/03/180F SN OR BX SLF 5.08/03/180FI SN OR BX | 1335620000 K.95 1336410000 K.95 |
| SL-SMT 5.08HC/08/180 3.2SN BK BX | 1838040000 K.56 | SLD 3.50/06/90G 3.2SN OR BX | 1633590000 I.42 | SLD 5.08V/16/180 3.2SN OR BX | 1725710000 K.77 | SLF 5.08/04/180 SN OR BX | 1335350000 K.94 |
| SL-SMT 5.08HC/08/180F 3.2SN BK BX SL-SMT 5.08HC/08/180G 3.2SN BK BX | 1820620000 K.58 1838270000 K.57 | SLD 3.50/08/90F 3.2SN OR BX SLD 3.50/08/90G 3.2SN OR BX | 1633830000 I.43 1633600000 I.42 | SLD 5.08V/16/90 3.2 SN OR BX SLD 5.08V/18/180 3.2 SN OR BX | 1725230000 K.76 1725720000 K.77 | SLF 5.08/04/180B SN OR BX SLF 5.08/04/180DF SN OR BX | 1335460000 K.95 1353600000 K.84 |
| SL-SMT 5.08HC/08/180LF 3.2SN BK BX | 1838500000 K.60 | SLD 3.50/10/90F 3.2SN OR BX | 1633840000 I.43 | SLD 5.08V/18/90 3.2 SN OR BX | 1725240000 K.76 | SLF 5.08/04/180F SN OR BX | 1335640000 K.95 |
| SL-SMT 5.08HC/08/270FH 1.5SN BK RL SL-SMT 5.08HC/08/270FH 3.2SN BK BX | 1876980000 K.65 1877500000 K.65 | SLD 3.50/10/90G 3.2SN OR BX SLD 3.50/12/90F 3.2SN OR BX | 1633610000 I.42 1633850000 I.43 | SLD 5.08V/20/180 3.2SN OR BX SLD 5.08V/20/90 3.2 SN OR BX | 1725730000 K.77 1725250000 K.76 | SLF 5.08/04/180FI SN OR BX SLF 5.08/05/180 SN OR BX | 1336420000 K.95 1335360000 K.94 |
| SL-SMT 5.08HC/08/270FL 1.5SN BK RL | 1877120000 K.65 | SLD 3.50/12/90G 3.2SN OR BX | 1633620000 I.42 | SLD 5.08V/22/180 3.2SN OR BX | 1725740000 K.77 | SLF 5.08/05/180B SN OR BX | 1335470000 K.95 |
| SL-SMT 5.08HC/08/270FL 3.2SN BK BX SL-SMT 5.08HC/08/270GH 1.5SN BK RL | 1876910000 K.64 1877650000 K.63 | SLD 3.50/14/90F 3.2SN OR BX SLD 3.50/14/90G 3.2SN OR BX | 1633860000 I.43 1633630000 I.42 | SLD 5.08V/22/90 3.2 SN OR BX SLD 5.08V/24/180 3.2SN OR BX | 1725260000 K.76 1725750000 K.77 | SLF 5.08/05/180DF SN OR BX SLF 5.08/05/180F SN OR BX | 1353620000 K.84 1335660000 K.95 |
| SL-SMT 5.08HC/08/270GH 3.2SN BK BX | 1877450000 K.63 | SLD 3.50/16/90F 3.2SN OR BX | 1633870000 I.43 | SLD 5.08V/24/90 3.2 SN OR BX | 1725270000 K.76 | SLF 5.08/05/180FI SN OR BX | 1336430000 K.95 |
| SL-SMT 5.08HC/08/270GL 1.5SN BK RL SL-SMT 5.08HC/08/270GL 3.2SN BK BX | 1877800000 K.63 1877550000 K.62 | SLD 3.50/16/90G 3.2SN OR BX SLD 3.50/18/90F 3.2SN OR BX | 1633640000 I.42 1633880000 I.43 | SLDF 5.08 L/F 10 SN OR BX SLDF 5.08 L/F 11 SN OR BX | 1599210000 K.80 1599220000 K.80 | SLF 5.08/06/180 SN OR BX SLF 5.08/06/180B SN OR BX | 1335370000 K.94 1335480000 K.95 |
| SL-SMT 5.08HC/08/90 1.5SN BK RL | 1774824001 K.51 | SLD 3.50/18/90G 3.2SN OR BX | 1633650000 I.42 | SLDF 5.08 L/F 12 SN OR BX | 1599230000 K.80 | SLF 5.08/06/180DF SN OR BX | 1353630000 K.84 |
| SL-SMT 5.08HC/08/90 3.2SN BK BX SL-SMT 5.08HC/08/90F 3.2SN BK BX | 1780010000 K.50 1837690000 K.52 | SLD 3.50/20/90F 3.2SN OR BX SLD 3.50/20/90G 3.2SN OR BX | 1633890000 I.43 1633660000 I.42 | SLDF 5.08 L/F 2 SN OR BX SLDF 5.08 L/F 3 SN OR BX | 1599130000 K.80 1599140000 K.80 | SLF 5.08/06/180F SN OR BX SLF 5.08/06/180FI SN OR BX | 1335680000 K.95 1336440000 K.95 |
| SL-SMT 5.08HC/08/90G 3.2SN BK BX | 1780240000 K.51 | SLD 3.50/22/90F 3.2SN OR BX | 1633900000 I.43 | SLDF 5.08 L/F 4 SN 0R BX | 1599150000 K.80 | SLF 5.08/07/180 SN OR BX | 1335380000 K.94 |
| SL-SMT 5.08HC/08/90LF 3.2SN BK BX SL-SMT 5.08HC/09/180 3.2SN BK BX | 1780470000 K.54 1838050000 K.56 | SLD 3.50/22/90G 3.2SN OR BX SLD 3.50/24/90F 3.2SN OR BX | 1633670000 I.42 1633910000 I.43 | SLDF 5.08 L/F 5 SN OR BX SLDF 5.08 L/F 6 SN OR BX | 1599160000 K.80 1599170000 K.80 | SLF 5.08/07/180B SN OR BX SLF 5.08/07/180DF SN OR BX | 1335490000 K.95 1353640000 K.84 |
| SL-SMT 5.08HC/09/180F 3.2SN BK BX | 1837890000 K.58 | SLD 3.50/24/90G 3.2SN OR BX | 1633680000 1.42 | SLDF 5.08 L/F 7 SN OR BX | 1599180000 K.80 | SLF 5.08/07/180F SN OR BX | 1335700000 K.84 |
| SL-SMT 5.08HC/09/180G 3.2SN BK BX | 1838280000 K.57 | SLD 3.50V/04/180G 3.2SN OR BX | 1641110000 I.46 | SLDF 5.08 L/F 8 SN OR BX | 1599190000 K.80 | SLF 5.08/07/180FI SN OR BX | 1336450000 K.95 |
| SL-SMT 5.08HC/09/180LF 3.2SN BK BX SL-SMT 5.08HC/09/90 3.2SN BK BX | 1838510000 K.60 1780020000 K.50 | SLD 3.50V/04/90G 3.2SN OR BX SLD 3.50V/06/180G 3.2SN OR BX | 1642240000 I.44 1891190000 I.46 | SLDF 5.08 L/F 9 SN OR BX SLDF VR BK | 1599200000 K.80 1599120000 K.80 | SLF 5.08/08/180 SN OR BX SLF 5.08/08/180B SN OR BX | 1335390000 K.94 1335510000 K.95 |
| SL-SMT 5.08HC/09/90F 3.2SN BK BX | 1837700000 K.52 | SLD 3.50V/06/90F 3.2SN OR BX | 1890790000 I.45 | SLDF VR BK | 1599120000 M.5 | SLF 5.08/08/180DF SN OR BX | 1353650000 K.84 |
| SL-SMT 5.08HC/09/90G 3.2SN BK BX SL-SMT 5.08HC/09/90LF 3.2SN BK BX | 1780250000 K.51 1780480000 K.54 | SLD 3.50V/06/90G 3.2SN OR BX SLD 3.50V/08/180G 3.2SN OR BX | 1890600000 I.44 1641120000 I.46 | SLDV-THR 5.00/04/180F 3.2SN BK BX SLDV-THR 5.00/04/180FLF 3.2SN BK BX | 1882930000 K.31 1883100000 K.31 | SLF 5.08/08/180F SN OR BX SLF 5.08/08/180FI SN OR BX | 1335720000 K.95 1336470000 K.95 |
| SL-SMT 5.08HC/10/180 3.2SN BK BX | 1838060000 K.56 | SLD 3.50V/08/90G 3.2SN OR BX | 1642250000 I.44 | SLDV-THR 5.00/04/180G 3.2SN BK BX | 1882690000 K.30 | SLF 5.08/09/180 SN OR BX | 1335400000 K.94 |
| SL-SMT 5.08HC/10/180F 3.2SN BK BX SL-SMT 5.08HC/10/180G 3.2SN BK BX | 1820780000 K.58 1838290000 K.57 | SLD 3.50V/10/180G 3.2SN OR BX SLD 3.50V/10/90F 3.2SN OR BX | 1891200000 I.46 1890800000 I.45 | SLDV-THR 5.00/04/180GLF 3.2SN BK BX SLDV-THR 5.00/06/180F 3.2SN BK BX | 1911290000 K.31 1882940000 K.31 | SLF 5.08/09/180B SN OR BX SLF 5.08/09/180DF SN OR BX | 1335520000 K.95 1353670000 K.84 |
| SL-SMT 5.08HC/10/180LF 3.2SN BK BX | 1838520000 K.60 | SLD 3.50V/10/90G 3.2SN OR BX | 1866770000 I.44 | SLDV-THR 5.00/06/180FLF 3.2SN BK BX | 1883110000 K.31 | SLF 5.08/09/180F SN OR BX | 1335740000 K.95 |
| SL-SMT 5.08HC/10/90 3.2SN BK BX SL-SMT 5.08HC/10/90F 3.2SN BK BX | 1780030000 K.50 1837710000 K.52 | SLD 3.50V/12/180G 3.2SN OR BX SLD 3.50V/12/90G 3.2SN OR BX | 1641130000 I.46 1642260000 I.44 | SLDV-THR 5.00/06/180G 3.2SN BK BX SLDV-THR 5.00/06/180GLF 3.2SN BK BX | 1882700000 K.30 1911310000 K.31 | SLF 5.08/09/180FI SN OR BX SLF 5.08/10/180 SN OR BX | 1336480000 K.95 1335410000 K.94 |
| SL-SMT 5.08HC/10/90G 3.2SN BK BX | 1780260000 K.51 | SLD 3.50V/14/90F 3.2SN OR BX | 1890810000 I.45 | SLDV-THR 5.00/08/180F 3.2SN BK BX | 1882950000 K.31 | SLF 5.08/10/180B SN OR BX | 1335530000 K.95 |
| SL-SMT 5.08HC/10/90LF 3.2SN BK BX SL-SMT 5.08HC/11/180 3.2SN BK BX | 1780490000 K.54 1838070000 K.56 | SLD 3.50V/14/90G 3.2SN OR BX SLD 3.50V/16/180G 3.2SN OR BX | 1890610000 I.44 1641140000 I.46 | SLDV-THR 5.00/08/180FLF 3.2SN BK BX SLDV-THR 5.00/08/180G 3.2SN BK BX | 1883120000 K.31 1862370000 K.30 | SLF 5.08/10/180DF SN OR BX SLF 5.08/10/180F SN OR BX | 1353680000 K.84 1335760000 K.95 |
| SL-SMT 5.08HC/11/180F 3.2SN BK BX | 1837900000 K.58 | SLD 3.50V/16/90G 3.2SN OR BX | 1642270000 I.44 | SLDV-THR 5.00/08/180GLF 3.2SN BK BX | 1911320000 K.31 | SLF 5.08/10/180FI SN OR BX | 1336490000 K.95 |
| SL-SMT 5.08HC/11/180G 3.2SN BK BX SL-SMT 5.08HC/11/180LF 3.2SN BK BX | 1838300000 K.57 1838530000 K.60 | SLD 3.50V/18/90F 3.2SN OR BX SLD 3.50V/18/90G 3.2SN OR BX | 1890820000 I.45 1890620000 I.44 | SLDV-THR 5.00/10/180F 3.2SN BK BX SLDV-THR 5.00/10/180FLF 3.2SN BK BX | 1882960000 K.31 1883130000 K.31 | SLF 5.08/11/180 SN OR BX SLF 5.08/11/180B SN OR BX | 1335420000 K.94 1335540000 K.95 |
| SL-SMT 5.08HC/11/90 3.2SN BK BX | 1780040000 K.50 | SLD 3.50V/20/180G 3.2SN OR BX | 1641150000 I.46 | SLDV-THR 5.00/10/180G 3.2SN BK BX | 1882710000 K.30 | SLF 5.08/11/180F SN OR BX | 1335780000 K.95 |
| SL-SMT 5.08HC/11/90F 3.2SN BK BX SL-SMT 5.08HC/11/90G 3.2SN BK BX | 1837720000 K.52 1780270000 K.51 | SLD 3.50V/20/90G 3.2SN OR BX SLD 3.50V/22/90F 3.2SN OR BX | 1642280000 I.44 1669660000 I.45 | SLDV-THR 5.00/10/180GLF 3.2SN BK BX SLDV-THR 5.00/12/180F 3.2SN BK BX | 1911330000 K.31 1882970000 K.31 | SLF 5.08/11/180FI SN OR BX SLF 5.08/12/180 SN OR BX | 1336500000 K.95 1335430000 K.94 |
| SL-SMT 5.08HC/11/90LF 3.2SN BK BX | 1780500000 K.54 | SLD 3.50V/22/90G 3.2SN OR BX | 1669650000 I.44 | SLDV-THR 5.00/12/180FLF 3.2SN BK BX | 1883140000 K.31 | SLF 5.08/12/180B SN OR BX | 1335550000 K.95 |
| SL-SMT 5.08HC/12/180 3.2SN BK BX SL-SMT 5.08HC/12/180F 3.2SN BK BX | 1838080000 K.56 1820630000 K.58 | SLD 3.50V/24/180G 3.2SN OR BX SLD 3.50V/24/90G 3.2SN OR BX | 1641160000 I.46 1642290000 I.44 | SLDV-THR 5.00/12/180G 3.2SN BK BX SLDV-THR 5.00/12/180GLF 3.2SN BK BX | 1882720000 K.30 1911340000 K.31 | SLF 5.08/12/180F SN OR BX SLF 5.08/12/180FI SN OR BX | 1335800000 K.95 1336510000 K.95 |
| SL-SMT 5.08HC/12/180G 3.2SN BK BX | 1838310000 K.57 | SLD 5.00/04/180G 3.2SN OR BX | 1614810000 K.39 | SLDV-THR 5.00/14/180F 3.2SN BK BX | 1882980000 K.31 | SLF 7.62HP/02/180F SN BK BX | 1043670000 0.119 |
| SL-SMT 5.08HC/12/180LF 3.2SN BK BX SL-SMT 5.08HC/12/90 3.2SN BK BX | 1838540000 K.60 1780050000 K.50 | SLD 5.00/04/90G 3.2 SN OR BX SLD 5.00/06/180G 3.2 SN OR BX | 1614350000 K.38 1614820000 K.39 | SLDV-THR 5.00/14/180FLF 3.2SN BK BX SLDV-THR 5.00/14/180G 3.2SN BK BX | 1883150000 K.31 1882730000 K.30 | SLF 7.62HP/02/180G SN BK BX SLF 7.62HP/02/180LR SN BK BX | 1043590000 0.118 1043750000 0.119 |
| SL-SMT 5.08HC/12/90F 3.2SN BK BX | 1837730000 K.52 | SLD 5.00/06/90G 3.2 SN OR BX | 1614360000 K.38 | SLDV-THR 5.00/14/180GLF 3.2SN BK BX | 1911350000 K.31 | SLF 7.62HP/03/180F SN BK BX | 1043680000 0.119 |
| SL-SMT 5.08HC/12/90G 3.2SN BK BX SL-SMT 5.08HC/12/90LF 3.2SN BK BX | 1780280000 K.51 1780510000 K.54 | SLD 5.00/08/180G 3.2SN OR BX SLD 5.00/08/90G 3.2 SN OR BX | 1614830000 K.39 1614370000 K.38 | SLDV-THR 5.00/16/180F 3.2SN BK BX SLDV-THR 5.00/16/180FLF 3.2SN BK BX | 1882990000 K.31 1883160000 K.31 | SLF 7.62HP/03/180G SN BK BX SLF 7.62HP/03/180LR SN BK BX | 1043600000 0.118 1043760000 0.119 |
| SLA BB11R OR | 1604120000 K.32 | SLD 5.00/10/180G 3.2SN OR BX | 1614840000 K.39 | SLDV-THR 5.00/16/180G 3.2SN BK BX | 1862380000 K.30 | SLF 7.62HP/04/180F SN BK BX | 1043690000 0.119 |
| SLA BB11R OR SLA BB11R OR | 1604120000 K.34 1604120000 K.68 | SLD 5.00/10/90G 3.2 SN OR BX SLD 5.00/12/180G 3.2 SN OR BX | 1614380000 K.38 1614850000 K.39 | SLDV-THR 5.00/16/180GLF 3.2SN BK BX SLDV-THR 5.00/18/180F 3.2SN BK BX | 1911360000 K.31 1883000000 K.31 | SLF 7.62HP/04/180FSH160 SN BK BX SLF 7.62HP/04/180FSH180 SN BK BX | 2632730000 0.114 2614140000 0.115 |
| SLA BB11R OR | 1604120000 K.72 | SLD 5.00/12/90G 3.2 SN OR BX | 1614390000 K.38 | SLDV-THR 5.00/18/180FLF 3.2SN BK BX | 1883170000 K.31 | SLF 7.62HP/04/180FSH200 SN BK BX | 2632770000 0.115 |
| SLA BB11R OR SLA BB11R OR | 1604120000 K.90 1604120000 K.118 | SLD 5.00/14/180G 3.2SN OR BX SLD 5.00/14/90G 3.2 SN OR BX | 1614860000 K.39 1614400000 K.38 | SLDV-THR 5.00/18/180G 3.2SN BK BX SLDV-THR 5.00/18/180GLF 3.2SN BK BX | 1882740000 K.30 1911370000 K.31 | SLF 7.62HP/04/180G SN BK BX SLF 7.62HP/04/180LR SN BK BX | 1043610000 0.118 1043770000 0.119 |
| SLA BB11R OR | 1604120000 K.120 | SLD 5.00/16/180G 3.2SN OR BX | 1614870000 K.39 | SLDV-THR 5.00/20/180F 3.2SN BK BX | 1881340000 K.31 | SLF 7.62HP/04/180LRSH160 SN BK BX | 2632780000 0.116 |
| SLA BB11R OR SLA BB11R SW | 1604120000 M.6 1692340000 K.32 | SLD 5.00/16/90G 3.2 SN OR BX SLD 5.00/18/180G 3.2 SN OR BX | 1614410000 K.38 1614880000 K.39 | SLDV-THR 5.00/20/180FLF 3.2SN BK BX SLDV-THR 5.00/20/180G 3.2SN BK BX | 1883180000 K.31 1862390000 K.30 | SLF 7.62HP/04/180LRSH180 SN BK BX SLF 7.62HP/04/180LRSH200 SN BK BX | 2614190000 0.117 2632790000 0.117 |
| SLA BB11R SW | 1692340000 K.34 | SLD 5.00/18/90G 3.2 SN OR BX | 1614420000 K.38 | SLDV-THR 5.00/20/180GLF 3.2SN BK BX | 1911410000 K.31 | SLF 7.62HP/05/180F SN BK BX | 1043700000 0.119 |
| SLA BB11R SW SLA BB11R SW | 1692340000 K.68 1692340000 K.72 | SLD 5.00/20/180G 3.2SN OR BX SLD 5.00/20/90G 3.2 SN OR BX | 1614890000 K.39 1614430000 K.38 | SLDV-THR 5.00/22/180F 3.2SN BK BX SLDV-THR 5.00/22/180FLF 3.2SN BK BX | 1883010000 K.31 1883190000 K.31 | SLF 7.62HP/05/180G SN BK BX SLF 7.62HP/05/180LR SN BK BX | 1043620000 0.118 1043780000 0.119 |
| SLA BB11R SW | 1692340000 K.90 | SLD 5.00/22/180G 3.2SN OR BX | 1614900000 K.39 | SLDV-THR 5.00/22/180G 3.2SN BK BX | 1882750000 K.30 | SLS 5.08/02/180 SN OR BX | 1627090000 K.90 |
| SLA BB11R SW SLA BB11R SW | 1692340000 K.118 1692340000 K.120 | SLD 5.00/22/90G 3.2 SN OR BX SLD 5.00/24/180G 3.2 SN OR BX | 1614440000 K.38 1614910000 K.39 | SLDV-THR 5.00/22/180GLF 3.2SN BK BX SLDV-THR 5.00/24/180F 3.2SN BK BX | 1911470000 K.31 1881370000 K.31 | SLS 5.08/02/180B SN OR BX SLS 5.08/02/180DF SN OR BX | 1627240000 K.91 1353470000 K.82 |
| SLA BB11R SW | 1692340000 M.6 | SLD 5.00/24/90G 3.2 SN OR BX | 1614450000 K.38 | SLDV-THR 5.00/24/180FLF 3.2SN BK BX | 1883200000 K.31 | SLS 5.08/02/180F SN OR BX | 1846360000 K.91 |
| SLA BB12R OR SLA BB12R SW | 1593450000 M.6 1626880000 M.6 | SLD 5.08/04/180G 3.2SN OR BX SLD 5.08/04/90G 3.2SN OR BX | 1602390000 K.79 1601790000 K.78 | SLDV-THR 5.00/24/180G 3.2SN BK BX SLDV-THR 5.00/24/180GLF 3.2SN BK BX | 1882760000 K.30 1911500000 K.31 | SLS 5.08/02/180FI SN OR BX SLS 5.08/03/180 SN OR BX | 1846210000 K.91 1627100000 K.90 |
| SLA BB14 OR | 1594200000 K.76 | SLD 5.08/06/180G 3.2SN OR BX | 1602400000 K.79 | SLDV-THR 5.08/04/180F 3.2SN BK BX | 1828770000 K.66 | SLS 5.08/03/180B SN OR BX | 1627250000 K.91 |
| SLA BB14 OR SLA BB14 SW | 1594200000 M.7 1774460000 K.76 | SLD 5.08/06/90G 3.2SN OR BX SLD 5.08/08/180G 3.2SN OR BX | 1601800000 K.78 1602410000 K.79 | SLDV-THR 5.08/04/180FLF 3.2SN BK BX SLDV-THR 5.08/06/180F 3.2SN BK BX | 1829010000 K.67 1828780000 K.66 | SLS 5.08/03/180DF SN OR BX SLS 5.08/03/180F SN OR BX | 1353480000 K.82 1846370000 K.91 |
| SLA BB14 SW | 1774460000 M.7 | SLD 5.08/08/90G 3.2SN OR BX | 1601810000 K.78 | SLDV-THR 5.08/06/180FLF 3.2SN BK BX | 1829020000 K.67 | SLS 5.08/03/180FI SN OR BX | 1846220000 K.91 |
| SLA BB1R OR SLA BB1R SW | 1723430000 M.6 1723480000 M.6 | SLD 5.08/10/180G 3.2SN OR BX SLD 5.08/10/90G 3.2SN OR BX | 1602420000 K.79 1601820000 K.78 | SLDV-THR 5.08/08/180F 3.2SN BK BX SLDV-THR 5.08/08/180FLF 3.2SN BK BX | 1828790000 K.66 1829030000 K.67 | SLS 5.08/04/180 SN OR BX SLS 5.08/04/180B SN OR BX | 1627110000 K.90 1627260000 K.91 |
| SLA BB2R OR | 1723440000 M.6 | SLD 5.08/12/180G 3.2SN OR BX | 1601820000 K.78 | SLDV-THR 5.08/10/180F 3.2SN BK BX | 1828800000 K.66 | SLS 5.08/04/180DF SN OR BX | 1353490000 K.82 |
| SLA BB2R SW | 1723490000 M.6 1571720000 K.92 | SLD 5.08/12/90G 3.2SN OR BX SLD 5.08/14/180G 3.2SN OR BX | 1601830000 K.78 1602440000 K.79 | SLDV-THR 5.08/10/180FLF 3.2SN BK BX SLDV-THR 5.08/12/180F 3.2SN BK BX | 1829040000 K.67 1828810000 K.66 | SLS 5.08/04/180F SN OR BX SLS 5.08/04/180FI SN OR BX | 1846380000 K.91 1846230000 K.91 |
| SLA BB4 OR SLA BB4 OR | 1571720000 K.92 1571720000 K.93 | SLD 5.08/14/180G 3.2SN OR BX | 1602440000 K.79 1601840000 K.78 | SLDV-THR 5.08/12/180FLF 3.2SN BK BX | 1828810000 K.66 1829050000 K.67 | SLS 5.08/04/180TB KF SN OR BX | 1846230000 K.91 1846130000 K.93 |
| SLA BB8 RH OR SLA BB8 RH OR | 1446060000 K.92 1446060000 K.93 | SLD 5.08/16/180G 3.2SN OR BX SLD 5.08/16/90G 3.2SN OR BX | 1602450000 K.79 | SLDV-THR 5.08/14/180F 3.2SN BK BX SLDV-THR 5.08/14/180FLF 3.2SN BK BX | 1828820000 K.66 | SLS 5.08/04/180TB RF15 SN OR BX | 1846050000 K.92 |
| SLD 3.50 V/04/180F 3.2 SN OR BX | 1446060000 K.93 1641240000 I.47 | SLD 5.08/18/180G 3.2SN OR BX | 1601850000 K.78 1602460000 K.79 | SLDV-THR 5.08/16/180F 3.2SN BK BX | 1829060000 K.67 1828830000 K.66 | SLS 5.08/05/180 SN OR BX SLS 5.08/05/180B SN OR BX | 1627120000 K.90 1627270000 K.91 |
| SLD 3.50 V/04/90F 3.2 SN OR BX | 1642370000 I.45 | SLD 5.08/18/90G 3.2SN OR BX | 1601860000 K.78 | SLDV-THR 5.08/16/180FLF 3.2SN BK BX | 1829070000 K.67 | SLS 5.08/05/180DF SN OR BX | 1353500000 K.82 |
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| SLS 5.08/05/180F SN OR BX | 1846390000 K.91 | SU 10.16HP/04/270MF4 3.5AG BK BX | 2580880000 0.219 | SV 7.62HP/02/270MSF2 SC/08R SN BK BX | 1156130000 0.32 | SV 7.62HP/05/180MF3 3.5SN BK BX | 1048590000 0.155 | |
| SLS 5.08/05/180FI SN OR BX SLS 5.08/06/180 SN OR BX | 1846240000 K.91 1627130000 K.90 | SU 10.16HP/04/270SF 3.5AG BK BX SU 10.16HP/04/90F 3.5AG BK BX | 1851140000 0.217 1813590000 0.211 | SV 7.62HP/02/270SF 3.5SN BK BX SV 7.62HP/02/90F 3.5SN BK BX | 1931480000 0.157 1930380000 0.149 | SV 7.62HP/05/180MF4 3.5SN BK BX SV 7.62HP/05/180SF 3.5SN BK BX | 1048600000 0.155 1930850000 0.153 | |
| SLS 5.08/06/180B SN OR BX | 1627280000 K.91 | SU 10.16HP/04/90G 3.5AG BK BX | 1813350000 0.210 | SV 7.62HP/02/90G 3.5SN BK BX | 1930270000 0.148 | SV 7.62HP/05/270F 3.5SN BK BX | 1931400000 0.157 | |
| SLS 5.08/06/180DF SN OR BX SLS 5.08/06/180F SN OR BX | 1353520000 K.82 1846400000 K.91 | SU 10.16HP/04/90MF2 3.5AG BK BX SU 10.16HP/04/90MF3 3.5AG BK BX | 2580410000 0.212 2580420000 0.213 | SV 7.62HP/02/90G SC/04R SN BK BX SV 7.62HP/02/90G SC/06R SN BK BX | 1089840000 0.22 1089920000 0.22 | SV 7.62HP/05/270G 3.5SN BK BX SV 7.62HP/05/270G SC/04R SN BK BX | 1931290000 0.156 1091240000 0.28 | |
| SLS 5.08/06/180FI SN OR BX | 1846250000 K.91 | SU 10.16HP/04/90MF4 3.5AG BK BX | 2580420000 0.213 2580430000 0.213 | SV 7.62HP/02/90G SC/08R SN BK BX | 1157040000 0.22 | SV 7.62HP/05/270G SC/06R SN BK BX | 1091260000 0.28 | |
| SLS 5.08/06/180TB KF SN OR BX | 1846140000 K.93 | SU 10.16HP/04/90SF 3.5AG BK BX | 1851060000 0.211 | SV 7.62HP/02/90MF2 3.5SN BK BX | 1048390000 0.150 | SV 7.62HP/05/270G SC/08R SN BK BX | 1156990000 0.28 | a) |
| SLS 5.08/06/180TB RF15 SN OR BX SLS 5.08/07/180 SN OR BX | 1846060000 K.92 1627140000 K.90 | SU 10.16HP/05/180F 3.5AG BK BX SU 10.16HP/05/180G 3.5AG BK BX | 1813680000 0.215 1813440000 0.214 | SV 7.62HP/02/90MF2 SC/04R SN BK BX SV 7.62HP/02/90MF2 SC/06R SN BK BX | 1089370000 0.24 1089410000 0.24 | SV 7.62HP/05/270MF2 3.5SN BK BX SV 7.62HP/05/270MF3 3.5SN BK BX | 1464350000 0.158 1048640000 0.159 | /Туре |
| SLS 5.08/07/180B SN OR BX | 1627290000 K.91 | SU 10.16HP/05/180SF 3.5AG BK BX | 1850910000 0.215 | SV 7.62HP/02/90MF2 SC/08R SN BK BX | 1156820000 0.24 | SV 7.62HP/05/270MF3 SC/04R SN BK BX | 1156300000 0.31 | 5 |
| SLS 5.08/07/180DF SN OR BX SLS 5.08/07/180F SN OR BX | 1353530000 K.82 1846410000 K.91 | SU 10.16HP/05/270F 3.5AG BK BX SU 10.16HP/05/270G 3.5AG BK BX | 1813760000 0.217 1813520000 0.216 | SV 7.62HP/02/90MSF2 SC/04R SN BK BX SV 7.62HP/02/90MSF2 SC/06R SN BK BX | 1089510000 0.26 1089570000 0.26 | SV 7.62HP/05/270MF3 SC/06R SN BK BX SV 7.62HP/05/270MF3 SC/08R SN BK BX | 1156310000 0.31 1156320000 0.31 | Index |
| SLS 5.08/07/180FI SN OR BX | 1846260000 K.91 | SU 10.16HP/05/270MF2 3.5AG BK BX | 2597290000 0.218 | SV 7.62HP/02/90MSF2 SC/08R SN BK BX | 1156830000 0.26 | SV 7.62HP/05/270MF4 3.5SN BK BX | 1048650000 0.159 | 트 |
| SLS 5.08/08/180 SN OR BX SLS 5.08/08/180B SN OR BX | 1627150000 K.90 1627300000 K.91 | SU 10.16HP/05/270MF3 3.5AG BK BX SU 10.16HP/05/270MF4 3.5AG BK BX | 2597310000 0.219 2597330000 0.219 | SV 7.62HP/02/90SF 3.5SN BK BX SV 7.62HP/03/180F 3.5SN BK BX | 1930490000 0.149 1930720000 0.153 | SV 7.62HP/05/270MF4 SC/04R SN BK BX SV 7.62HP/05/270MF4 SC/06R SN BK BX | 1090300000 0.31 1090380000 0.31 | |
| SLS 5.08/08/180DF SN OR BX | 1353540000 K.82 | SU 10.16HP/05/270SF 3.5AG BK BX | 1851150000 0.217 | SV 7.62HP/03/180G 3.5SN BK BX | 1930610000 0.152 | SV 7.62HP/05/270MF4 SC/08R SN BK BX | 1156340000 0.31 | |
| SLS 5.08/08/180F SN OR BX SLS 5.08/08/180FI SN OR BX | 1846420000 K.91 1846270000 K.91 | SU 10.16HP/05/90F 3.5AG BK BX SU 10.16HP/05/90G 3.5AG BK BX | 1813600000 0.211 1813360000 0.210 | SV 7.62HP/03/180MF2 3.5SN BK BX SV 7.62HP/03/180MF3 3.5SN BK BX | 1048410000 0.154 1048420000 0.155 | SV 7.62HP/05/270MSF3 SC/04R SN BK BX SV 7.62HP/05/270MSF3 SC/06R SN BK BX | 1156370000 0.33 1156390000 0.33 | |
| SLS 5.08/08/180TB KF SN OR BX | 1846150000 K.93 | SU 10.16HP/05/90MF2 3.5AG BK BX | 2597200000 0.212 | SV 7.62HP/03/180SF 3.5SN BK BX | 1930830000 0.153 | SV 7.62HP/05/270MSF3 SC/08R SN BK BX | 1156410000 0.33 | |
| SLS 5.08/08/180TB RF15 SN OR BX | 1846070000 K.92 | SU 10.16HP/05/90MF3 3.5AG BK BX | 2597220000 0.213 | SV 7.62HP/03/270F 3.5SN BK BX | 1931380000 0.157 | SV 7.62HP/05/270MSF4 SC/04R SN BK BX | 1090540000 0.33 | |
| SLS 5.08/09/180 SN OR BX SLS 5.08/09/180B SN OR BX | 1627160000 K.90 1627310000 K.91 | SU 10.16HP/05/90MF4 3.5AG BK BX SU 10.16HP/05/90SF 3.5AG BK BX | 2597240000 0.213 1851070000 0.211 | SV 7.62HP/03/270G 3.5SN BK BX SV 7.62HP/03/270G SC/04R SN BK BX | 1931270000 0.156 1090950000 0.28 | SV 7.62HP/05/270MSF4 SC/06R SN BK BX SV 7.62HP/05/270MSF4 SC/08R SN BK BX | 1090610000 0.33 1156430000 0.33 | |
| SLS 5.08/09/180DF SN OR BX | 1353550000 K.82 | SU 10.16HP/06/180F 3.5AG BK BX | 1813690000 0.215 | SV 7.62HP/03/270G SC/06R SN BK BX | 1091010000 0.28 | SV 7.62HP/05/270SF 3.5SN BK BX | 1931510000 0.157 | |
| SLS 5.08/09/180F SN OR BX SLS 5.08/09/180FI SN OR BX | 1846430000 K.91 1846280000 K.91 | SU 10.16HP/06/180G 3.5AG BK BX SU 10.16HP/06/180SF 3.5AG BK BX | 1813450000 0.214 1850920000 0.215 | SV 7.62HP/03/270G SC/08R SN BK BX SV 7.62HP/03/270MF2 3.5SN BK BX | 1156940000 0.28 1048450000 0.158 | SV 7.62HP/05/90F 3.5SN BK BX SV 7.62HP/05/90G 3.5SN BK BX | 1930410000 0.149 1930300000 0.148 | |
| SLS 5.08/10/180 SN OR BX | 1627170000 K.90 | SU 10.16HP/06/270F 3.5AG BK BX | 1813770000 0.217 | SV 7.62HP/03/270MF2 SC/04R SN BK BX | 1156140000 0.30 | SV 7.62HP/05/90G SC/04R SN BK BX | 1090520000 0.22 | |
| SLS 5.08/10/180B SN OR BX SLS 5.08/10/180DF SN OR BX | 1627320000 K.91 1353570000 K.82 | SU 10.16HP/06/270G 3.5AG BK BX SU 10.16HP/06/270MF2 3.5AG BK BX | 1813530000 0.216 2597300000 0.218 | SV 7.62HP/03/270MF2 SC/06R SN BK BX SV 7.62HP/03/270MF2 SC/08R SN BK BX | 1156150000 0.30 1156170000 0.30 | SV 7.62HP/05/90G SC/06R SN BK BX SV 7.62HP/05/90G SC/08R SN BK BX | 1090590000 0.22 1157080000 0.22 | |
| SLS 5.08/10/180F SN OR BX | 1846440000 K.91 | SU 10.16HP/06/270MF3 3.5AG BK BX | 2597320000 0.219 | SV 7.62HP/03/270MF3 3.5SN BK BX | 1048460000 0.159 | SV 7.62HP/05/90MF2 3.5SN BK BX | 1464280000 0.150 | |
| SLS 5.08/10/180FI SN OR BX SLS 5.08/10/180TB KF SN OR BX | 1846290000 K.91 1846160000 K.93 | SU 10.16HP/06/270MF4 3.5AG BK BX SU 10.16HP/06/270SF 3.5AG BK BX | 2597340000 0.219 1851160000 0.217 | SV 7.62HP/03/270MF3 SC/04R SN BK BX | 1089440000 0.31 1089490000 0.31 | SV 7.62HP/05/90MF3 3.5SN BK BX SV 7.62HP/05/90MF3 SC/04R SN BK BX | 1048680000 0.151 1156910000 0.25 | |
| SLS 5.08/10/180TB RF15 SN OR BX | 1846080000 K.93 | SU 10.16HP/06/90F 3.5AG BK BX | 1813610000 0.217 | SV 7.62HP/03/270MF3 SC/06R SN BK BX SV 7.62HP/03/270MF3 SC/08R SN BK BX | 1156180000 0.31 | SV 7.62HP/05/90MF3 SC/06R SN BK BX | 1156930000 0.25 | |
| SLS 5.08/11/180 SN OR BX | 1627180000 K.90 | SU 10.16HP/06/90G 3.5AG BK BX | 1813370000 0.210 | SV 7.62HP/03/270MSF2 SC/04R SN BK BX | 1156190000 0.32 | SV 7.62HP/05/90MF3 SC/08R SN BK BX | 1156950000 0.25 | |
| SLS 5.08/11/180B SN OR BX SLS 5.08/11/180F SN OR BX | 1627330000 K.91 1846450000 K.91 | SU 10.16HP/06/90MF2 3.5AG BK BX SU 10.16HP/06/90MF3 3.5AG BK BX | 2597210000 0.212 2597230000 0.213 | SV 7.62HP/03/270MSF2 SC/06R SN BK BX SV 7.62HP/03/270MSF2 SC/08R SN BK BX | 1156200000 0.32 1156210000 0.32 | SV 7.62HP/05/90MF4 3.5SN BK BX SV 7.62HP/05/90MF4 SC/04R SN BK BX | 1048690000 0.151 1090600000 0.25 | |
| SLS 5.08/11/180FI SN OR BX | 1846300000 K.91 | SU 10.16HP/06/90MF4 3.5AG BK BX | 2597250000 0.213 | SV 7.62HP/03/270MSF3 SC/04R SN BK BX | 1089610000 0.33 | SV 7.62HP/05/90MF4 SC/06R SN BK BX | 1090670000 0.25 | |
| SLS 5.08/12/180 SN OR BX SLS 5.08/12/180B SN OR BX | 1627190000 K.90 1627340000 K.91 | SU 10.16HP/06/90SF 3.5AG BK BX SU 10.16HP/07/180F 3.5AG BK BX | 1851080000 0.211 1813700000 0.215 | SV 7.62HP/03/270MSF3 SC/06R SN BK BX SV 7.62HP/03/270MSF3 SC/08R SN BK BX | 1089670000 0.33 1156220000 0.33 | SV 7.62HP/05/90MF4 SC/08R SN BK BX SV 7.62HP/05/90MSF3 SC/04R SN BK BX | 1156980000 0.25 1157000000 0.27 | |
| SLS 5.08/12/180F SN OR BX | 1846460000 K.91 | SU 10.16HP/07/180G 3.5AG BK BX | 1813460000 0.214 | SV 7.62HP/03/270SF 3.5SN BK BX | 1931490000 0.157 | SV 7.62HP/05/90MSF3 SC/06R SN BK BX | 1157010000 0.27 | |
| SLS 5.08/12/180FI SN OR BX SLS 5.08/12/180TB KF SN OR BX | 1846310000 K.91 1846170000 K.93 | SU 10.16HP/07/180SF 3.5AG BK BX SU 10.16HP/07/270F 3.5AG BK BX | 1850930000 0.215 1813780000 0.217 | SV 7.62HP/03/90F 3.5SN BK BX SV 7.62HP/03/90G 3.5SN BK BX | 1930390000 0.149 1930280000 0.148 | SV 7.62HP/05/90MSF3 SC/08R SN BK BX SV 7.62HP/05/90MSF4 SC/04R SN BK BX | 1157020000 0.27 1090830000 0.27 | |
| SLS 5.08/12/180TB RF15 SN OR BX | 1846090000 K.92 | SU 10.16HP/07/270G 3.5AG BK BX | 1813540000 0.216 | SV 7.62HP/03/90G SC/04R SN BK BX | 1090040000 0.22 | SV 7.62HP/05/90MSF4 SC/06R SN BK BX | 1090900000 0.27 | |
| SM 27/18 MC NE WS SM-H 27/18 SW | 1699860000 C.15 1716630000 C.15 | SU 10.16HP/07/270SF 3.5AG BK BX | 1851170000 0.217 | SV 7.62HP/03/90G SC/06R SN BK BX | 1090120000 0.22 1157050000 0.22 | SV 7.62HP/05/90MSF4 SC/08R SN BK BX | 1157030000 0.27 1930520000 0.149 | |
| SMSE FE MCZ 1.5/PE | 1716630000 C.15 1003280000 S.45 | SU 10.16HP/07/90F 3.5AG BK BX SU 10.16HP/07/90G 3.5AG BK BX | 1813620000 0.211 1813380000 0.210 | SV 7.62HP/03/90G SC/08R SN BK BX SV 7.62HP/03/90MF2 3.5SN BK BX | 1048490000 0.151 | SV 7.62HP/05/90SF 3.5SN BK BX SV 7.62HP/06/180F 3.5SN BK BX | 1930750000 0.153 | |
| SMSE KU FE MCZ 1.5 | 2224390000 S.45 | SU 10.16HP/07/90SF 3.5AG BK BX | 1851090000 0.211 | SV 7.62HP/03/90MF2 SC/04R SN BK BX | 1156230000 0.24 | SV 7.62HP/06/180G 3.5SN BK BX | 1930640000 0.152 | |
| SMSE LN FE MCZ 1.5 SR-SMD 4.50/05/90 AU BK BX | 2224380000 S.45 1155840000 S.38 | SU 10.16HP/08/180F 3.5AG BK BX SU 10.16HP/08/180G 3.5AG BK BX | 1813710000 0.215 1813470000 0.214 | SV 7.62HP/03/90MF2 SC/06R SN BK BX SV 7.62HP/03/90MF2 SC/08R SN BK BX | 1156240000 0.24 1156840000 0.24 | SV 7.62HP/06/180MF2 3.5SN BK BX SV 7.62HP/06/180MF3 3.5SN BK BX | 1543190000 0.154 1543210000 0.155 | |
| SR-SMD 4.50/05/90 AU BK RL | 1155850000 S.38 | SU 10.16HP/08/180SF 3.5AG BK BX | 1850940000 0.215 | SV 7.62HP/03/90MF3 3.5SN BK BX | 1048500000 0.150 | SV 7.62HP/06/180MF4 3.5SN BK BX | 1048720000 0.155 | |
| SR-SMD 4.50/05/90LF 1.5AU BK BX SR-SMD 4.50/05/90LF 1.5AU BK RL | 1155890000 S.39 1155900000 S.39 | SU 10.16HP/08/270F 3.5AG BK BX SU 10.16HP/08/270G 3.5AG BK BX | 1813790000 0.217 1813550000 0.216 | SV 7.62HP/03/90MF3 SC/04R SN BK BX SV 7.62HP/03/90MF3 SC/06R SN BK BX | 1089660000 0.25 1089730000 0.25 | SV 7.62HP/06/180SF 3.5SN BK BX SV 7.62HP/06/270F 3.5SN BK BX | 1930860000 0.153 1931410000 0.157 | |
| SR-SMD 4.50/05/90LFM 3.2AU BK BX | 1155870000 S.39 | SU 10.16HP/08/270SF 3.5AG BK BX | 1851180000 0.217 | SV 7.62HP/03/90MF3 SC/08R SN BK BX | 1156850000 0.25 | SV 7.62HP/06/270G 3.5SN BK BX | 1931300000 0.156 | |
| SR-SMD 4.50/05/90LFM 3.2AU BK RL SU 10.16 BFSC P 35X 14 | 1155880000 S.39 2812340000 O.76 | SU 10.16HP/08/90F 3.5AG BK BX SU 10.16HP/08/90G 3.5AG BK BX | 1813630000 0.211 1813390000 0.210 | SV 7.62HP/03/90MSF2 SC/04R SN BK BX SV 7.62HP/03/90MSF2 SC/06R SN BK BX | 1156250000 0.26 1156270000 0.26 | SV 7.62HP/06/270MF2 3.5SN BK BX SV 7.62HP/06/270MF3 3.5SN BK BX | 1543250000 0.158 1543260000 0.159 | |
| SU 10.16 BFSC P 35X 14 | 2812340000 0.78 | SU 10.16HP/08/90SF 3.5AG BK BX | 1851100000 0.211 | SV 7.62HP/03/90MSF2 SC/08R SN BK BX | 1156870000 0.26 | SV 7.62HP/06/270MF4 3.5SN BK BX | 1048740000 0.159 | |
| SU 10.16 BFSC P 35X 14 SU 10.16 BFSC P 35X 14 | 2812340000 0.210 2812340000 0.212 | SU 10.16HP/09/180F 3.5AG BK BX SU 10.16HP/09/180G 3.5AG BK BX | 1813720000 0.215 1813480000 0.214 | SV 7.62HP/03/90MSF3 SC/04R SN BK BX SV 7.62HP/03/90MSF3 SC/06R SN BK BX | 1089890000 0.27 1089970000 0.27 | SV 7.62HP/06/270SF 3.5SN BK BX SV 7.62HP/06/90F 3.5SN BK BX | 1931520000 0.157 1930420000 0.149 | |
| SU 10.16 BFSC P 35X 14 | 2812340000 0.214 | SU 10.16HP/09/180SF 3.5AG BK BX | 1850950000 0.215 | SV 7.62HP/03/90MSF3 SC/08R SN BK BX | 1156880000 0.27 | SV 7.62HP/06/90G 3.5SN BK BX | 1930310000 0.148 | |
| SU 10.16 BFSC P 35X 14 | 2812340000 0.216 | SU 10.16HP/09/270F 3.5AG BK BX | 1813800000 0.217 | SV 7.62HP/03/90SF 3.5SN BK BX | 1930500000 0.149 | SV 7.62HP/06/90MF2 3.5SN BK BX | 1543090000 0.150 | |
| SU 10.16 BFSC P 35X 14 SU 10.16 BFSC S 35X12 | 2812340000 0.218 2812290000 0.76 | SU 10.16HP/09/270G 3.5AG BK BX SU 10.16HP/09/270SF 3.5AG BK BX | 1813560000 0.216 1851190000 0.217 | SV 7.62HP/04/180F 3.5SN BK BX SV 7.62HP/04/180G 3.5SN BK BX | 1930730000 0.153 1930620000 0.152 | SV 7.62HP/06/90MF3 3.5SN BK BX SV 7.62HP/06/90MF4 3.5SN BK BX | 1543120000 0.151 1048760000 0.151 | |
| SU 10.16 BFSC S 35X12 | 2812290000 0.78 | SU 10.16HP/09/90F 3.5AG BK BX | 1813640000 0.211 | SV 7.62HP/04/180MF2 3.5SN BK BX | 1464310000 0.154 | SV 7.62HP/06/90SF 3.5SN BK BX | 1930530000 0.149 | |
| SU 10.16 BFSC S 35X12 SU 10.16 BFSC S 35X12 | 2812290000 0.210 2812290000 0.212 | SU 10.16HP/09/90G 3.5AG BK BX SU 10.16HP/09/90SF 3.5AG BK BX | 1813400000 0.210 1851110000 0.211 | SV 7.62HP/04/180MF3 3.5SN BK BX SV 7.62HP/04/180MF4 3.5SN BK BX | 1048530000 0.155 1464330000 0.155 | SV 7.62HP/07/180F 3.5SN BK BX SV 7.62HP/07/180G 3.5SN BK BX | 1930760000 0.153 1930650000 0.152 | |
| SU 10.16 BFSC S 35X12 | 2812290000 0.214 | SU 10.16IT/02/270MF2 3.5AG BK BX S0 | 1157310000 0.78 | SV 7.62HP/04/180SF 3.5SN BK BX | 1930840000 0.153 | SV 7.62HP/07/180SF 3.5SN BK BX | 1930870000 0.153 | |
| SU 10.16 BFSC S 35X12 SU 10.16 BFSC S 35X12 | 2812290000 0.216 2812290000 0.218 | SU 10.16IT/02/90MF2 3.5AG BK BX SO SU 10.16IT/03/270MF2 3.5AG BK BX | 1156650000 0.76 1157320000 0.78 | SV 7.62HP/04/270F 3.5SN BK BX SV 7.62HP/04/270G 3.5SN BK BX | 1931390000 0.157 1931280000 0.156 | SV 7.62HP/07/270F 3.5SN BK BX SV 7.62HP/07/270G 3.5SN BK BX | 1931420000 0.157 1931310000 0.156 | |
| SU 10.16HP/02/180F 3.5AG BK BX | 1813650000 0.215 | SU 10.16IT/03/270MF3 3.5AG BK BX | 1157330000 0.79 | SV 7.62HP/04/270G SC/04R SN BK BX | 1091120000 0.28 | SV 7.62HP/07/270SF 3.5SN BK BX | 1931530000 0.157 | |
| SU 10.16HP/02/180G 3.5AG BK BX SU 10.16HP/02/180SF 3.5AG BK BX | 1813410000 0.214 1850880000 0.215 | SU 10.16IT/03/90MF2 3.5AG BK BX SU 10.16IT/03/90MF3 3.5AG BK BX | 1156670000 0.76 1156680000 0.77 | SV 7.62HP/04/270G SC/06R SN BK BX SV 7.62HP/04/270G SC/08R SN BK BX | 1091160000 0.28 1156970000 0.28 | SV 7.62HP/07/90F 3.5SN BK BX SV 7.62HP/07/90G 3.5SN BK BX | 1930430000 0.149 1930320000 0.148 | |
| SU 10.16HP/02/270F 3.5AG BK BX | 1813730000 0.217 | SU 10.16IT/04/270MF2 3.5AG BK BX | 1157340000 0.78 | SV 7.62HP/04/270MF2 3.5SN BK BX | 1464340000 0.158 | SV 7.62HP/07/90SF 3.5SN BK BX | 1930540000 0.149 | |
| SU 10.16HP/02/270G 3.5AG BK BX | 1813490000 0.216 2580350000 0.218 | SU 10.16IT/04/270MF3 3.5AG BK BX SO | 2630190000 0.79 1157350000 0.79 | SV 7.62HP/04/270MF3 3.5SN BK BX | 1048550000 0.159 1464360000 0.159 | SV 7.62HP/08/180F 3.5SN BK BX | 1930770000 0.153 1930660000 0.152 | |
| SU 10.16HP/02/270MF2 3.5AG BK BX SU 10.16HP/02/270SF 3.5AG BK BX | 1851120000 0.217 | SU 10.16IT/04/270MF4 3.5AG BK BX SU 10.16IT/04/90MF2 3.5AG BK BX | 1156690000 0.76 | SV 7.62HP/04/270MF4 3.5SN BK BX SV 7.62HP/04/270MF4 SC/04R SN BK BX | 1089820000 0.159 | SV 7.62HP/08/180G 3.5SN BK BX SV 7.62HP/08/180SF 3.5SN BK BX | 1930880000 0.153 | |
| SU 10.16HP/02/90F 3.5AG BK BX | 1813570000 0.211 | SU 10.16IT/04/90MF4 3.5AG BK BX | 1156700000 0.77 | SV 7.62HP/04/270MF4 SC/06R SN BK BX | 1089910000 0.31 | SV 7.62HP/08/270F 3.5SN BK BX | 1931430000 0.157 | |
| SU 10.16HP/02/90G 3.5AG BK BX SU 10.16HP/02/90MF2 3.5AG BK BX | 1813330000 0.210 2580340000 0.212 | SUZ 10.16HP/02/180G AG BK BX SUZ 10.16HP/03/180G AG BK BX | 1947480000 0.220 1947490000 0.220 | SV 7.62HP/04/270MF4 SC/08R SN BK BX SV 7.62HP/04/270MSF4 SC/04R SN BK BX | 1156280000 0.31 1090060000 0.33 | SV 7.62HP/08/270G 3.5SN BK BX SV 7.62HP/08/270SF 3.5SN BK BX | 1931320000 0.156 1931540000 0.157 | |
| SU 10.16HP/02/90SF 3.5AG BK BX | 1851040000 0.211 | SUZ 10.16HP/04/180G AG BK BX | 1947500000 0.220 | SV 7.62HP/04/270MSF4 SC/06R SN BK BX | 1090140000 0.33 | SV 7.62HP/08/90F 3.5SN BK BX | 1930440000 0.149 | |
| SU 10.16HP/03/180F 3.5AG BK BX SU 10.16HP/03/180G 3.5AG BK BX | 1813660000 0.215 1813420000 0.214 | SUZ 10.16HP/05/180G AG BK BX SUZ 10.16HP/06/180G AG BK BX | 1947510000 0.220 1966920000 0.220 | SV 7.62HP/04/270MSF4 SC/08R SN BK BX SV 7.62HP/04/270SF 3.5SN BK BX | 1156290000 0.33 1931500000 0.157 | SV 7.62HP/08/90G 3.5SN BK BX SV 7.62HP/08/90SF 3.5SN BK BX | 1930330000 0.148 1930550000 0.149 | |
| SU 10.16HP/03/180SF 3.5AG BK BX | 1850890000 0.215 | SUZ 10.16HP/07/180G AG BK BX | 1966930000 0.220 | SV 7.62HP/04/90F 3.5SN BK BX | 1930400000 0.149 | SV 7.62HP/09/180F 3.5SN BK BX | 1930780000 0.153 | |
| SU 10.16HP/03/270F 3.5AG BK BX SU 10.16HP/03/270G 3.5AG BK BX | 1813740000 0.217 1813500000 0.216 | SUZ 10.16HP/08/180G AG BK BX SUZ 10.16HP/09/180G AG BK BX | 1962400000 0.220 1966910000 0.220 | SV 7.62HP/04/90G 3.5SN BK BX SV 7.62HP/04/90G SC/04R SN BK BX | 1930290000 0.148 1090280000 0.22 | SV 7.62HP/09/180G 3.5SN BK BX SV 7.62HP/09/180SF 3.5SN BK BX | 1930670000 0.152 1930890000 0.153 | |
| SU 10.16HP/03/270MF2 3.5AG BK BX | 2580830000 0.218 | SV 7.62HP/02/180F 3.5SN BK BX | 1930710000 0.153 | SV 7.62HP/04/90G SC/06R SN BK BX | 1090360000 0.22 | SV 7.62HP/09/270F 3.5SN BK BX | 1931440000 0.157 | |
| SU 10.16HP/03/270MF3 3.5AG BK BX | 2580850000 0.219 | SV 7.62HP/02/180G 3.5SN BK BX | 1930600000 0.152 | SV 7.62HP/04/90G SC/08R SN BK BX | 1157380000 0.22 | SV 7.62HP/09/270G 3.5SN BK BX | 1931330000 0.156 | |
| SU 10.16HP/03/270SF 3.5AG BK BX SU 10.16HP/03/90F 3.5AG BK BX | 1851130000 0.217 1813580000 0.211 | SV 7.62HP/02/180MF2 3.5SN BK BX SV 7.62HP/02/180SF 3.5SN BK BX | 1048350000 0.154 1930820000 0.153 | SV 7.62HP/04/90MF2 3.5SN BK BX SV 7.62HP/04/90MF3 3.5SN BK BX | 1464270000 0.150 1048570000 0.151 | SV 7.62HP/09/270SF 3.5SN BK BX SV 7.62HP/09/90F 3.5SN BK BX | 1931550000 0.157 1930450000 0.149 | |
| SU 10.16HP/03/90G 3.5AG BK BX | 1813340000 0.210 | SV 7.62HP/02/270F 3.5SN BK BX | 1931370000 0.157 | SV 7.62HP/04/90MF4 3.5SN BK BX | 1464290000 0.151 | SV 7.62HP/09/90G 3.5SN BK BX | 1930340000 0.148 | |
| SU 10.16HP/03/90MF2 3.5AG BK BX SU 10.16HP/03/90MF3 3.5AG BK BX | 2580390000 0.212 2580400000 0.213 | SV 7.62HP/02/270G 3.5SN BK BX SV 7.62HP/02/270G SC/04R SN BK BX | 1931260000 0.156 1090770000 0.28 | SV 7.62HP/04/90MF4 SC/04R SN BK BX SV 7.62HP/04/90MF4 SC/06R SN BK BX | 1090130000 0.25 1090210000 0.25 | SV 7.62HP/09/90SF 3.5SN BK BX SV 7.62HP/10/180F 3.5SN BK BX | 1930560000 0.149 1930790000 0.153 | |
| SU 10.16HP/03/90SF 3.5AG BK BX | 1851050000 0.211 | SV 7.62HP/02/270G SC/06R SN BK BX | 1090850000 0.28 | SV 7.62HP/04/90MF4 SC/08R SN BK BX | 1156890000 0.25 | SV 7.62HP/10/180G 3.5SN BK BX | 1930680000 0.152 | |
| SU 10.16HP/04/180F 3.5AG BK BX | 1813670000 0.215 | SV 7.62HP/02/270G SC/08R SN BK BX | 1156920000 0.28 | SV 7.62HP/04/90MSF4 SC/04R SN BK BX | 1090370000 0.27 | SV 7.62HP/10/180SF 3.5SN BK BX | 1930900000 0.153 | |
| SU 10.16HP/04/180G 3.5AG BK BX SU 10.16HP/04/180SF 3.5AG BK BX | 1813430000 0.214 1850900000 0.215 | SV 7.62HP/02/270MF2 3.5SN BK BX SV 7.62HP/02/270MF2 SC/04R SN BK BX | 1048370000 0.158 1089260000 0.30 | SV 7.62HP/04/90MSF4 SC/06R SN BK BX SV 7.62HP/04/90MSF4 SC/08R SN BK BX | 1090450000 0.27 1156900000 0.27 | SV 7.62HP/10/270F 3.5SN BK BX SV 7.62HP/10/270G 3.5SN BK BX | 1931450000 0.157 1931340000 0.156 | Y |
| SU 10.16HP/04/270F 3.5AG BK BX | 1813750000 0.217 | SV 7.62HP/02/270MF2 SC/06R SN BK BX | 1089280000 0.30 | SV 7.62HP/04/90SF 3.5SN BK BX | 1930510000 0.149 | SV 7.62HP/10/270SF 3.5SN BK BX | 1931570000 0.157 | |
| SU 10.16HP/04/270G 3.5AG BK BX SU 10.16HP/04/270MF2 3.5AG BK BX | 1813510000 0.216 2580860000 0.218 | SV 7.62HP/02/270MF2 SC/08R SN BK BX SV 7.62HP/02/270MSF2 SC/04R SN BK BX | 1156120000 0.30 1089340000 0.32 | SV 7.62HP/05/180F 3.5SN BK BX SV 7.62HP/05/180G 3.5SN BK BX | 1930740000 0.153 1930630000 0.152 | SV 7.62HP/10/90F 3.5SN BK BX SV 7.62HP/10/90G 3.5SN BK BX | 1930460000 0.149 1930350000 0.148 | |
| SU 10.16HP/04/270MF3 3.5AG BK BX | 2580870000 0.219 | SV 7.62HP/02/270MSF2 SC/06R SN BK BX | 1089380000 0.32 | SV 7.62HP/05/180MF2 3.5SN BK BX | 1464320000 0.154 | SV 7.62HP/10/90SF 3.5SN BK BX | 1930570000 0.149 | |
| | | | | | | | | |

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|--------------------------------------------|----------------------------------|----------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------|--------------------------------------|----------------------------------------|------------------------------------|
| | 30800000 0.153 30690000 0.152 | SV-SMT 7.62HP/03/90SF 2.6SN BK RL | 2545950000 0.142 2499920000 0.145 | SVF 7.62HP/02/180SF SN BK BX | 1060950000 0.163 1429920000 0.172 | W | |
| | 30910000 0.152 30910000 0.153 | SV-SMT 7.62HP/04/270F 2.6SN BK BX SV-SMT 7.62HP/04/270G 2.6SN BK BX | 2499350000 0.144 | SVF 7.62HP/02/180SFBMF2 SN BK BX SVF 7.62HP/02/180SFI SN BK BX | 1124810000 0.165 | WGK 10 BK BX | 2439470000 Q.16 |
| | 31460000 0.157 | SV-SMT 7.62HP/04/270G 2.6SN BK RL | 2546160000 0.145 | SVF 7.62HP/02/180SFMF2 SN BK BX SVF 7.62HP/03/180F SN BK BX | 1427220000 0.170 | WGK 10 GN/YE BX | 2439380000 0.16 |
| | 31350000 0.156 31580000 0.157 | SV-SMT 7.62HP/04/270G SC/4 2.6SN BX SV-SMT 7.62HP/04/270G SC/6 2.6SN BX | 2529310000 0.16 2529320000 0.16 | SVF 7.62HP/03/180FI SN BK BX | 1060910000 0.163 1124760000 0.164 | WGK 10 GY BX WGK 10 VP GN/YE BX | 2439390000 Q.16 2439430000 Q.17 |
| | 30470000 0.149 30360000 0.148 | SV-SMT 7.62HP/04/270G SC/8 2.6SN BX SV-SMT 7.62HP/04/270MF4 SC/4 2.6SN BX | 2529330000 0.16 2529450000 0.19 | SVF 7.62HP/03/180G SN BK BX SVF 7.62HP/03/180MF2 SN BK BX | 1060840000 0.162 1061030000 0.166 | WGK 10 VP GY BX | 2439450000 0.17 |
| | 30580000 0.148 | SV-SMT 7.62HP/04/270MF4 SC/6 2.6SN BX | 2529450000 0.19 2529460000 0.19 | SVF 7.62HP/03/180MF3 SN BK BX | 1061040000 0.167 | WGK 10 VP/Z GN/YE BX WGK 10 VP/Z GY BX | 2439440000 Q.17 2439420000 Q.17 |
| SV 7.62HP/12/180F 3.5SN BK BX 1930 | 30810000 0.153 | SV-SMT 7.62HP/04/270MF4 SC/8 2.6SN BX | 2529470000 0.19 | SVF 7.62HP/03/180MSF2 SN BK BX | 1061120000 0.168 | WGK 10/Z BK BX | 2439460000 Q.16 |
| | 30700000 0.152 30920000 0.153 | SV-SMT 7.62HP/04/270MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/04/270MSF4 SC/6 2.6SN BX | 2529630000 0.21 2529640000 0.21 | SVF 7.62HP/03/180MSF3 SN BK BX SVF 7.62HP/03/180SF SN BK BX | 1061130000 0.169 1060970000 0.163 | WGK 10/Z GN/YE BX WGK 10/Z GY BX | 2439400000 Q.16 2439410000 Q.16 |
| SV 7.62HP/12/270F 3.5SN BK BX 193 | 31470000 0.157 | SV-SMT 7.62HP/04/270MSF4 SC/8 2.6SN BX | 2529650000 0.21 | SVF 7.62HP/03/180SFBMF2 SN BK BX | 1429930000 0.172 | WGK 16 BK BX | 2440590000 Q.18 |
| | 31360000 0.156 31590000 0.157 | SV-SMT 7.62HP/04/270SF 2.6SN BK BX SV-SMT 7.62HP/04/270SF 2.6SN BK RL | 2499960000 0.145 2546040000 0.146 | SVF 7.62HP/03/180SFBMF3 SN BK BX SVF 7.62HP/03/180SFI SN BK BX | 1429940000 0.173 1124820000 0.165 | WGK 16 GN/YE BX WGK 16 GY BX | 2439600000 Q.18 2440560000 Q.18 |
| SV 7.62HP/12/90F 3.5SN BK BX 1930 | 30480000 0.149 | SV-SMT 7.62HP/04/90F 2.6SN BK BX | 2499580000 0.141 | SVF 7.62HP/03/180SFMF2 SN BK BX | 1427230000 0.170 | WGK 16 VP BK BX | 2440660000 Q.19 |
| | 30370000 0.148 30590000 0.149 | SV-SMT 7.62HP/04/90G 2.6SN BK BX SV-SMT 7.62HP/04/90G 2.6SN BK RL | 2499550000 0.140 2546120000 0.141 | SVF 7.62HP/03/180SFMF3 SN BK BX SVF 7.62HP/04/180F SN BK BX | 1427240000 0.171 1060920000 0.163 | WGK 16 VP GN/YE BX WGK 16 VP GY BX | 2440610000 Q.19 2440620000 Q.19 |
| SV 7.62IT/02/270MF2 3.5SN BK BX SO 115 | 56490000 0.72 | SV-SMT 7.62HP/04/90G SC/4 2.6SN BX | 2529080000 0.10 | SVF 7.62HP/04/180FI SN BK BX | 1124770000 0.164 | WGK 16 VP/Z BK BX | 2440710000 Q.19 |
| | 56540000 0.70 56500000 0.72 | SV-SMT 7.62HP/04/90G SC/6 2.6SN BX SV-SMT 7.62HP/04/90G SC/8 2.6SN BX | 2529090000 0.10 2529100000 0.10 | SVF 7.62HP/04/180G SN BK BX SVF 7.62HP/04/180MF2 SN BK BX | 1060850000 0.162 1430010000 0.166 | WGK 16 VP/Z GN/YE BX WGK 16 VP/Z GY BX | 2440630000 Q.19 2440640000 Q.19 |
| SV 7.62IT/03/270MF3 3.5SN BK BX 115 | 56510000 0.73 | SV-SMT 7.62HP/04/90LF 2.6SN BK BX | 2499660000 0.143 | SVF 7.62HP/04/180MF3 SN BK BX | 1061050000 0.167 | WGK 16/Z BK BX | 2440600000 Q.18 |
| | 56550000 0.70 56570000 0.71 | SV-SMT 7.62HP/04/90LSF 2.6SN BK BX SV-SMT 7.62HP/04/90MF2 SC/4 2.6SN BX | 2499700000 0.143 2626800000 0.12 | SVF 7.62HP/04/180MF4 SN BK BX SVF 7.62HP/04/180MSF2 SN BK BX | 1430030000 0.167 1430060000 0.168 | WGK 16/Z GN/YE BX WGK 16/Z GY BX | 2440570000 Q.18 2440580000 Q.18 |
| SV 7.62IT/04/270MF2 3.5SN BK BX 115 | 56520000 0.72 | SV-SMT 7.62HP/04/90MF4 SC/4 2.6SN BX | 2529800000 0.13 | SVF 7.62HP/04/180MSF3 SN BK BX | 1061140000 0.169 | WGK 25 BK BX | 2444670000 Q.20 |
| | 56530000 0.73 56580000 0.70 | SV-SMT 7.62HP/04/90MF4 SC/6 2.6SN BX SV-SMT 7.62HP/04/90MF4 SC/8 2.6SN BX | 2529810000 0.13 2529820000 0.13 | SVF 7.62HP/04/180MSF4 SN BK BX SVF 7.62HP/04/180SF SN BK BX | 1430080000 0.169 1060980000 0.163 | WGK 25 GN/YE BX WGK 25 GY BX | 2444650000 Q.20 2444660000 Q.20 |
| | 56590000 0.71 | SV-SMT 7.62HP/04/90MSF2 SC/4 2.6SN BX | 2626930000 0.14 | SVF 7.62HP/04/180SFBMF2 SN BK BX | 1429950000 0.172 | WGK 25 VP BK BX | 2444800000 Q.21 |
| | 99540000 0.145 99330000 0.144 | SV-SMT 7.62HP/04/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/04/90MSF4 SC/6 2.6SN BX | 2529980000 0.15 2529990000 0.15 | SVF 7.62HP/04/180SFBMF3 SN BK BX SVF 7.62HP/04/180SFBMF4 SN BK BX | 1429960000 0.173 1429970000 0.173 | WGK 25 VP GN/YE BX | 2444700000 0.21 |
| | 46140000 0.145 | SV-SMT 7.62HP/04/90MSF4 SC/8 2.6SN BX | 2530000000 0.15 | SVF 7.62HP/04/180SFI SN BK BX | 1124830000 0.165 | WGK 25 VP GY BX WGK 25 VP/Z BK BX | 2444710000 Q.21 2444790000 Q.21 |
| | 28970000 0.16 | SV-SMT 7.62HP/04/90SF 2.6SN BK BX | 2499620000 0.141 | SVF 7.62HP/04/180SFMF2 SN BK BX | 1427250000 0.170 | WGK 25 VP/Z GN/YE BX | 2444720000 Q.21 |
| | 29260000 0.16 29270000 0.16 | SV-SMT 7.62HP/04/90SF 2.6SN BK RL SV-SMT 7.62HP/05/270F 2.6SN BK BX | 2545960000 0.142 2499930000 0.145 | SVF 7.62HP/04/180SFMF3 SN BK BX SVF 7.62HP/04/180SFMF4 SN BK BX | 1427260000 0.171 1427270000 0.171 | WGK 25 VP/Z GY BX WGK 25/Z BK BX | 2444730000 Q.21 2444680000 Q.20 |
| | 29010000 0.18 | SV-SMT 7.62HP/05/270G 2.6SN BK BX | 2499360000 0.144 | SVF 7.62HP/05/180F SN BK BX | 1060930000 0.163 | WGK 25/Z GN/YE BX | 2444640000 Q.20 |
| | 29370000 0.18 29380000 0.18 | SV-SMT 7.62HP/05/270G 2.6SN BK RL SV-SMT 7.62HP/05/270G SC/4 2.6SN BX | 2546170000 0.145 2529340000 0.16 | SVF 7.62HP/05/180FI SN BK BX SVF 7.62HP/05/180G SN BK BX | 1124780000 0.164 1060870000 0.162 | WGK 25/Z GY BX WGK 4 BK BX | 2444300000 Q.20 1250930000 Q.12 |
| | 29540000 0.20 | SV-SMT 7.62HP/05/270G SC/6 2.6SN BX | 2529350000 0.16 | SVF 7.62HP/05/180MF2 SN BK BX | 1430020000 0.166 | WGK 4 GN/YE BX | 1936540000 Q.12 |
| | 29550000 0.20 29560000 0.20 | SV-SMT 7.62HP/05/270G SC/8 2.6SN BX SV-SMT 7.62HP/05/270MF3 SC/4 2.6SN BX | 2529360000 0.16 2529480000 0.19 | SVF 7.62HP/05/180MF3 SN BK BX SVF 7.62HP/05/180MF4 SN BK BX | 1061070000 0.167 1061080000 0.167 | WGK 4 GY BX WGK 4 VP GN/YE BX | 1936550000 Q.12 1003890000 Q.13 |
| SV-SMT 7.62HP/02/270SF 2.6SN BK BX 2499 | 99940000 0.145 | SV-SMT 7.62HP/05/270MF3 SC/6 2.6SN BX | 2529490000 0.19 | SVF 7.62HP/05/180MSF2 SN BK BX | 1430070000 0.168 | WGK 4 VP GY BX | 1981890000 Q.13 |
| | 46020000 0.146 99520000 0.141 | SV-SMT 7.62HP/05/270MF3 SC/8 2.6SN BX SV-SMT 7.62HP/05/270MF4 SC/4 2.6SN BX | 2529500000 0.19 2529510000 0.19 | SVF 7.62HP/05/180MSF3 SN BK BX SVF 7.62HP/05/180MSF4 SN BK BX | 1061150000 0.169 1061170000 0.169 | WGK 4 VP/Z GN/YE BX WGK 4 VP/Z GY BX | 1003900000 Q.13 1003910000 Q.13 |
| SV-SMT 7.62HP/02/90G 2.6SN BK BX 2499 | 99320000 0.140 | SV-SMT 7.62HP/05/270MF4 SC/6 2.6SN BX | 2529520000 0.19 | SVF 7.62HP/05/180SF SN BK BX | 1061000000 0.163 | WGK 4/Z BK BX | 1250940000 Q.12 |
| | 45800000 0.141 28950000 0.10 | SV-SMT 7.62HP/05/270MF4 SC/8 2.6SN BX SV-SMT 7.62HP/05/270MSF3 SC/4 2.6SN BX | 2529530000 0.19 2529660000 0.21 | SVF 7.62HP/05/180SFI SN BK BX SVF 7.62HP/06/180G SN BK BX | 1124840000 0.165 1060880000 0.162 | WGK 4/Z GN/YE BX WGK 4/Z GY BX | 1936560000 Q.12 1936570000 Q.12 |
| | 29030000 0.10 | SV-SMT 7.62HP/05/270MSF3 SC/6 2.6SN BX | 2529670000 0.21 | SVF 7.62HP/06/180MF4 SN BK BX | 1061100000 0.167 | WGK 50 BK BX | 2427680000 Q.12 |
| | 29040000 0.10 99640000 0.143 | SV-SMT 7.62HP/05/270MSF3 SC/8 2.6SN BX SV-SMT 7.62HP/05/270MSF4 SC/4 2.6SN BX | 2529680000 0.21 2529690000 0.21 | SVF 7.62HP/06/180MSF4 SN BK BX SVF/BVF 7.62HP COUPLE SET | 1061180000 0.169 1440850000 0.170 | WGK 50 GN/YE BX WGK 50 GY BX | 2427660000 Q.22 2427640000 Q.22 |
| | 99680000 0.143 | SV-SMT 7.62HP/05/270MSF4 SC/6 2.6SN BX | 2529700000 0.21 | SVF/BVF 7.62HP COUPLE SET | 1440850000 0.172 | WGK 50 VP BK BX | 2428440000 Q.23 |
| | 29000000 0.12 29720000 0.12 | SV-SMT 7.62HP/05/270MSF4 SC/8 2.6SN BX SV-SMT 7.62HP/05/270SF 2.6SN BK BX | 2529710000 0.21 2499970000 0.145 | SVF/BVF 7.62HP COUPLE SET SVF/BVF 7.62HP COUPLE SET | 1440850000 0.186 1440850000 0.188 | WGK 50 VP GN/YE BX WGK 50 VP GY BX | 2428270000 Q.23 2428280000 Q.23 |
| | 29730000 0.12 | SV-SMT 7.62HP/05/270SF 2.6SN BK RL | 2546050000 0.146 | SVF/BVF 7.62HP COUPLE SET | 1440850000 0.192 | WGK 50 VP/Z GY BX | 2428300000 Q.23 |
| | 29890000 0.14 29900000 0.14 | SV-SMT 7.62HP/05/90F 2.6SN BK BX SV-SMT 7.62HP/05/90G 2.6SN BK BX | 2499590000 0.141 2499560000 0.140 | SVF/BVF 7.62HP COUPLE SET SVFL 7.62HP/02/180MF2 SN BK BX | 1440850000 R.2 2630260000 0.176 | WGK 50 VP/Z BK BX | 2428450000 0.23 |
| | 29910000 0.14 | SV-SMT 7.62HP/05/90G 2.6SN BK RL | 2546130000 0.141 | SVFL 7.62HP/03/180MF2 SN BK BX | 2630420000 0.176 | WGK 50 VP/Z GN/YE BX WGK 50/Z BK BX | 2428290000 Q.23 2427690000 Q.22 |
| | 99600000 0.141 45810000 0.142 | SV-SMT 7.62HP/05/90G SC/4 2.6SN BX SV-SMT 7.62HP/05/90G SC/6 2.6SN BX | 2529110000 0.10 2529120000 0.10 | SVFL 7.62HP/03/180MF3 SN BK BX SVFL 7.62HP/04/180F SN BK BX | 2630450000 0.177 1547570000 0.175 | WGK 50/Z GN/YE BX | 2427810000 0.22 |
| | 99910000 0.145 | SV-SMT 7.62HP/05/90G SC/8 2.6SN BX | 2529120000 0.10 2529130000 0.10 | SVFL 7.62HP/04/180G SN BK BX | 1547550000 0.174 | WGK 50/Z GY BX WGK 95 BK BX | 2427650000 |
| | 99340000 0.144 46150000 0.145 | SV-SMT 7.62HP/05/90LF 2.6SN BK BX SV-SMT 7.62HP/05/90LSF 2.6SN BK BX | 2499670000 0.143 2499710000 0.143 | SVFL 7.62HP/04/180MF2 SN BK BX | 2630430000 0.176 1547580000 0.177 | WGK 95 GN/YE BX | 1937370000 0.24 |
| | 29280000 0.145 | SV-SMT 7.62HP/05/90MF3 SC/4 2.6SN BX | 2529830000 0.143 | SVFL 7.62HP/04/180MF3 SN BK BX SVFL 7.62HP/04/180MF4 SN BK BX | 2630470000 0.177 | WGK 95 GY BX WGK 95/Z BK BX | 1937380000 Q.24 1250690000 Q.24 |
| | 29290000 0.16 29300000 0.16 | SV-SMT 7.62HP/05/90MF3 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MF3 SC/8 2.6SN BX | 2529840000 0.13 2529850000 0.13 | SVFL 7.62HP/05/180MF2 SN BK BX SVFL 7.62HP/05/180MF3 SN BK BX | 2630440000 0.176 2630460000 0.177 | WGK 95/Z GN/YE BX | 1937390000 0.24 |
| | 29390000 0.18 | SV-SMT 7.62HP/05/90MF4 SC/4 2.6SN BX | 2529860000 0.13 2529860000 0.13 | SVFL 7.62HP/05/180MF4 SN BK BX | 2630480000 0.177 2630480000 0.177 | WGK 95/Z GY BX WGK 95F VP BK BX | 1937400000 Q.24 1250660000 Q.25 |
| | 29400000 0.18 29410000 0.18 | SV-SMT 7.62HP/05/90MF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MF4 SC/8 2.6SN BX | 2529870000 0.13 2529880000 0.13 | - | | WGK 95F VP GN/YE BX | 1937120000 Q.25 |
| | 29420000 0.18 29420000 0.19 | SV-SMT 7.62HP/05/90MSF3 SC/4 2.6SN BX | 2529880000 0.13 2530010000 0.15 | I | | WGK 95F VP GY BX WGK 95F VP/Z BK BX | 1937130000 Q.25 1250670000 Q.25 |
| | 29430000 0.19 | SV-SMT 7.62HP/05/90MSF3 SC/6 2.6SN BX | 2530020000 0.15 | TS 35X15/LL 1M/ST/ZN TS 35X7.5/LL 1M/ST/ZN | 0236510000 S.41 | WGK 95F VP/Z GN/YE BX | 1937360000 Q.25 |
| | 29440000 0.19 29570000 0.20 | SV-SMT 7.62HP/05/90MSF3 SC/8 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX | 2530030000 0.15 2530040000 0.15 | 15 35X/.5/LL IW/51/ZW | 0514510000 S.41 | WGK 95F VP/Z GY BX WGKV 10 BK BX | 1937140000 Q.25 2439570000 Q.17 |
| - | 29580000 0.20 | SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX | 2530050000 0.15 | U | | WGKV 10 GN/YE BX | 2439530000 Q.17 |
| | 29590000 0.20 29600000 0.21 | SV-SMT 7.62HP/05/90MSF4 SC/8 2.6SN BX SV-SMT 7.62HP/05/90SF 2.6SN BK BX | 2530060000 0.15 2499630000 0.141 | USB-MIC2.0B S1V 1N1 RL BK | 2762070000 E.8 | WGKV 10 GY BX WGKV 10/Z BK BX | 2439520000 Q.17 2439580000 Q.17 |
| | 29610000 0.21 | SV-SMT 7.62HP/05/90SF 2.6SN BK RL | 2545970000 0.142 | USB2.0A R1V 2.5N4 TY BK | 2563730000 E.10 | WGKV 10/Z GN/YE BX | 2439540000 Q.17 |
| | 29620000 0.21 99950000 0.145 | SV-SMT 7.62IT/02/90MF2 2.6SN BK BX SV-SMT 7.62IT/03/90MF2 2.6SN BK BX | 2499530000 0.68 2499720000 0.68 | USB2.0A S1H 1.4N4 TY BK USB2.0A T1H 2.5N4 TY BK | 2563720000 E.9 2563710000 E.14 | WGKV 10/Z GY BX WGKV 16 BK BX | 2439550000 Q.17 2440790000 Q.19 |
| | 46030000 0.146 | SV-SMT 7.62IT/03/90MF3 2.6SN BK BX | 2499730000 0.69 | USB2.0A T1V 2.5N4 TY BK | 1985910000 E.12 | WGKV 16 GN/YE BX | 2440740000 Q.19 |
| | 99570000 0.141 99500000 0.140 | SV-SMT 7.62IT/04/90MF2 2.6SN BK BX SV-SMT 7.62IT/04/90MF3 2.6SN BK BX | 2499740000 0.68 2499750000 0.69 | USB2.0B T1H 2.8N4 TY BK USB2.0B T1V 3.0N4 TY BK | 2698610000 E.16 2710810000 E.17 | WGKV 16 GY BX WGKV 16/Z BK BX | 2440750000 Q.19 2440800000 Q.19 |
| | 46110000 0.141 | SV-SMT 7.62IT/04/90MF4 2.6SN BK BX | 2454110000 0.69 | USB3.0A R1V 3.0N2 TY BL | 1549730000 E.11 | WGKV 16/Z GN/YE BX | 2440720000 Q.19 |
| | 29050000 0.10 29060000 0.10 | SV-SMT 7.62IT/05/90MF2 2.6SN BK BX SV-SMT 7.62IT/05/90MF3 2.6SN BK BX | 2499760000 0.68 2499770000 0.69 | USB3.0A T1H 2.3N4 TY BL USB3.1C S1H DN1 RL | 2563550000 E.15 2987560000 E.6 | WGKV 16/Z GY BX WGKV 25 BK BX | 2440730000 Q.19 2444840000 Q.21 |
| | 29070000 0.10 | SV-SMT 7.62IT/05/90MF4 2.6SN BK BX | 2499780000 0.69 | USB3.1C S1V DN1 RL | 2987540000 E.7 | WGKV 25 GN/YE BX | 2444830000 Q.21 |
| | 99650000 0.143 99690000 0.143 | SVD 7.62HP/04/270F 3.2SN BK BX SVD 7.62HP/04/270G 3.2SN BK BX | 1523940000 0.161 1543290000 0.160 | V | | WGKV 25 GY BX WGKV 25/Z BK BX | 2444820000 Q.21 2444870000 Q.21 |
| | 29740000 0.12 | SVD 7.62HP/06/270F 3.2SN BK BX | 1523950000 0.161 | V | | WGKV 25/Z GN/YE BX | 2444810000 Q.21 |
| | 29750000 0.12 29760000 0.12 | SVD 7.62HP/06/270G 3.2SN BK BX SVD 7.62HP/08/270F 3.2SN BK BX | 1543310000 0.160 1523970000 0.161 | VDS180 SV7.62 VDS180 SV7.62 | 1853940000 0.152 1853940000 0.154 | WGKV 25/Z GY BX WGKV 4 BK BX | 2444860000 Q.21 1250950000 Q.13 |
| SV-SMT 7.62HP/03/90MF3 SC/4 2.6SN BX 2529 | 29770000 0.13 | SVD 7.62HP/08/270G 3.2SN BK BX | 1543320000 0.160 | VDS180 SV7.62 | 1853940000 0.198 | WGKV 4 GN/YE BX | 1936610000 Q.13 |
| | 29780000 0.13 29790000 0.13 | SVD 7.62HP/10/270F 3.2SN BK BX SVD 7.62HP/10/270G 3.2SN BK BX | 1523980000 0.161 1543330000 0.160 | VDS180 SV7.62 VDS180 SV7.62 | 1853940000 0.214 1853940000 R.4 | WGKV 4 GY BX WGKV 4/Z BK BX | 1934050000 Q.13 1250960000 Q.13 |
| SV-SMT 7.62HP/03/90MSF2 SC/4 2.6SN BX 2529 | 29920000 0.14 | SVD 7.62HP/12/270F 3.2SN BK BX | 1523990000 0.161 | VREL PGK4 OR VPE 30 | 1288610000 Q.10 | WGKV 4/Z GN/YE BX | 1936620000 Q.13 |
| | 29930000 0.14 29940000 0.14 | SVD 7.62HP/12/270G 3.2SN BK BX SVF 7.62HP/02/180F SN BK BX | 1543340000 0.160 1060900000 0.163 | VWGK 4 BK BX VWGK 4 GN/YE BX | 1250650000 Q.13 1936480000 Q.13 | WGKV 4/Z GY BX WS 10/5 MC NE WS | 1936630000 Q.13 1635000000 S.56 |
| SV-SMT 7.62HP/03/90MSF3 SC/4 2.6SN BX 2529 | 29950000 0.15 | SVF 7.62HP/02/180FI SN BK BX | 1124750000 0.164 | VWGK 4 GY BX | 1936490000 Q.13 | WS 12/5 MC NE WS | 1609860000 S.56 |
| | 29960000 0.15 29970000 0.15 | SVF 7.62HP/02/180G SN BK BX SVF 7.62HP/02/180MF2 SN BK BX | 1060830000 0.162 1061020000 0.166 | VWGK 6 BK BX VWGK 6 GN/YE BX | 2484810000 Q.14 2484680000 Q.14 | WSM TOOL AUTOMATIK WSM TOOL AUTOMATIK | 1774470000 0.40 1774470000 0.42 |
| | 99610000 0.141 | SVF 7.62HP/02/180MSF2 SN BK BX | 1061110000 0.168 | VWGK 6 GY BX | 2484800000 Q.14 | WSM TOOL AUTOMATIK | 1774470000 0.42 |
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| 0110000000 | | | BLF 5.08HC/09/90 SN OR BX | K.110 | 1013190000 | | K.109 | 1029990000 SCD 3.81/16/180G 3.2SN OR BX J.36 |
| 0119560000 RF RS 70 RE/A3/M.BEZ 0R | \$.51 | | BLF 5.08HC/10/90 SN OR BX BLF 5.08HC/11/90 SN OR BX | K.110 K.110 | 1013680000 | BLF 5.08HC/02/180 SN OR BX BLF 5.08HC/03/180 SN OR BX | K.108 K.108 | 103000000 |
| 0119660000 RF RS 70 LI/A2/0.SG 0R 1665 | S.51 | 1001630000 | BLF 5.08HC/12/90 SN OR BX | K.110 | 1013710000 | BLF 5.08HC/04/180 SN OR BX | K.108 | |
| 0119760000 ZW 5 RS 0R 0119860000 ZW 15 RS 0R 1665 | S.51 S.51 | | LL 5.00/04/90 3.2SN OR BX LL 5.00/05/90 3.2SN OR BX | F.32 F.32 | 1013720000 1013730000 | BLF 5.08HC/05/180 SN OR BX BLF 5.08HC/06/180 SN OR BX | K.108 K.108 | 1030010000 SCD 3.81/18/180G 3.2SN 0R BX J.36 1030020000 SCD 3.81/20/180G 3.2SN 0R BX J.36 |
| 0119960000 ZW 30 RS 0R | \$.51 | | LL 5.00/06/90 3.2SN OR BX | F.32 | 1013740000 | | K.108 | 1030030000 SCD 3.81/22/180G 3.2SN 0R BX J.36 |
| 0120000000 | | | LL 5.00/07/90 3.2SN OR BX LL 5.00/08/90 3.2SN OR BX | F.32 F.32 | 1013750000 1013760000 | BLF 5.08HC/08/180 SN OR BX BLF 5.08HC/09/180 SN OR BX | K.108 K.108 | 1030040000 SCD 3.81/24/180G 3.2SN 0R BX J.36 1030440000 SCD 3.81/04/180F 3.2SN 0R BX J.37 |
| | 0.51 | | LL 5.00/09/90 3.2SN OR BX LL 5.00/10/90 3.2SN OR BX | F.32 F.32 | 1013770000 1013780000 | BLF 5.08HC/10/180 SN OR BX BLF 5.08HC/11/180 SN OR BX | K.108 K.108 | 1030450000 SCD 3.81/06/180F 3.2SN 0R BX J.37 1030460000 SCD 3.81/08/180F 3.2SN 0R BX J.37 |
| 0120060000 ZW 45 RS 0R 0126160000 ZW 25 RS 0R | S.51 S.51 | 1001790000 I | LL 5.00/11/90 3.2SN OR BX | F.32 | 1013780000 | BLF 5.08HC/12/180 SN OR BX | K.108 | 1030470000 SCD 3.81/10/180F 3.2SN OR BX J.37 |
| 0126260000 RF RS 70 RE/A4/0.BEZ OR 1665 | S.51 | | LL 5.00/12/90 3.2SN OR BX LL 5.08/04/90 3.2SN OR BX | F.32 F.33 | 1014370000 | | K.109 K.109 | 1030480000 SCD 3.81/12/180F 3.2SN 0R BX J.37 1030490000 SCD 3.81/14/180F 3.2SN 0R BX J.37 |
| 0180000000 | | 1001860000 | LL 5.08/05/90 3.2SN OR BX | F.33 | 1014390000 | BLF 5.08HC/04/180LR SN OR BX | K.109 | 1030510000 SCD 3.81/16/180F 3.2SN OR BX J.37 |
| 0180400000 PS 2.3 RT | 0.10 | | LL 5.08/06/90 3.2SN OR BX LL 5.08/07/90 3.2SN OR BX | F.33 F.33 | 1014410000 | | K.109 K.109 | 1030520000 SCD 3.81/18/180F 3.2SN 0R BX J.37 1030530000 SCD 3.81/20/180F 3.2SN 0R BX J.37 |
| | 0.10 | 1001890000 I | LL 5.08/08/90 3.2SN OR BX | F.33 | 1014430000 | BLF 5.08HC/07/180LR SN OR BX | K.109 | 1030540000 SCD 3.81/22/180F 3.2SN OR BX J.37 |
| 0210000000 | | | LL 5.08/09/90 3.2SN OR BX LL 5.08/10/90 3.2SN OR BX | F.33 F.33 | 1014440000 | | K.109 K.109 | 1030550000 SCD 3.81/24/180F 3.2SN 0R BX J.37 1030950000 SCD-THR 3.81/04/180G 3.2SN BK BX J.18 |
| 0213760000 RF RS 70 MI/A6 0R | S.51 | 1001920000 I | LL 5.08/11/90 3.2SN OR BX | F.33 | 1014460000 | BLF 5.08HC/10/180LR SN OR BX | K.109 | 1030960000 SCD-THR 3.81/06/180G 3.2SN BK BX J.18 |
| 000000000 | | | LL 5.08/12/90 3.2SN OR BX BLF 5.08HC/02/90F SN OR BX | F.33 K.111 | 1014470000 | | K.109 K.109 | 1030970000 SCD-THR 3.81/08/180G 3.2SN BK BX J.18 1030980000 SCD-THR 3.81/10/180G 3.2SN BK BX J.18 |
| 0230000000 | | 1002100000 | BLF 5.08HC/03/90F SN OR BX | K.111 | 1016340000 | BLF 5.00HC/02/180LR SN OR BX | K.47 | 1030990000 SCD-THR 3.81/12/180G 3.2SN BK BX J.18 |
| 0236510000 TS 35X15/LL 1M/ST/ZN | S.41 | | BLF 5.08HC/04/90F SN OR BX BLF 5.08HC/05/90F SN OR BX | K.111 K.111 | 1016350000 | | K.47 | 1031010000 SCD-THR 3.81/14/180G 3.2SN BK BX J.18 1031020000 SCD-THR 3.81/16/180G 3.2SN BK BX J.18 |
| 0310000000 | | 1002130000 I | BLF 5.08HC/06/90F SN OR BX | K.111 | 1016370000 | BLF 5.00HC/05/180LR SN OR BX | K.47 | 1031030000 SCD-THR 3.81/18/180G 3.2SN BK BX J.18 |
| 0310000000 PS 2.0 MC | F.88 | | BLF 5.08HC/07/90F SN OR BX BLF 5.08HC/08/90F SN OR BX | K.111 K.111 | 1016380000 | | K.47 K.47 | 1031040000 SCD-THR 3.81/20/180G 3.2SN BK BX J.18 1031050000 SCD-THR 3.81/22/180G 3.2SN BK BX J.18 |
| 0310000000 PS 2.0 MC | F.88 F.90 | 1002160000 | BLF 5.08HC/09/90F SN OR BX | K.111 | 1016410000 | BLF 5.00HC/08/180LR SN OR BX | K.47 | 1031060000 SCD-THR 3.81/24/180G 3.2SN BK BX J.18 |
| 0310000000 PS 2.0 MC 0310000000 PS 2.0 MC | M.12 N.19 | | BLF 5.08HC/10/90F SN OR BX BLF 5.08HC/11/90F SN OR BX | K.111 K.111 | 1016420000 | | K.47 K.47 | 1031460000 SCD-THR 3.81/04/180F 3.2SN BK BX J.19 1031470000 SCD-THR 3.81/06/180F 3.2SN BK BX J.19 |
| 0310000000 PS 2.0 MC 0310000000 PS 2.0 MC | N.19 N.20 | 1002190000 | BLF 5.08HC/12/90F SN OR BX | K.111 | 1016440000 | BLF 5.00HC/11/180LR SN OR BX | K.47 | 1031490000 SCD-THR 3.81/08/180F 3.2SN BK BX J.15 |
| 0310000000 PS 2.0 MC 0310000000 PS 2.0 MC | N.21 N.22 | | BLF 5.08HC/02/90LR SN OR BX BLF 5.08HC/03/90LR SN OR BX | K.111 K.111 | 1016450000 1017420000 | BLF 5.00HC/12/180LR SN OR BX BLF 5.00HC/02/180F SN OR BX | K.47 K.47 | 1031510000 SCD-THR 3.81/10/180F 3.2SN BK BX J.15 1031520000 SCD-THR 3.81/12/180F 3.2SN BK BX J.15 |
| 0310000000 PS 2.0 MC | N.22 N.24 | | BLF 5.08HC/04/90LR SN OR BX | K.111 | 1017420000 | | K.47 | 1031530000 SCD-THR 3.81/14/180F 3.2SN BK BX J.18 |
| 0310000000 PS 2.0 MC | N.26 N.27 | | BLF 5.08HC/05/90LR SN OR BX BLF 5.08HC/06/90LR SN OR BX | K.111 K.111 | 1017440000 | BLF 5.00HC/04/180F SN OR BX BLF 5.00HC/05/180F SN OR BX | K.47 | 1031540000 SCD-THR 3.81/16/180F 3.2SN BK BX J.15 1031560000 SCD-THR 3.81/18/180F 3.2SN BK BX J.15 |
| 0310000000 PS 2.0 MC 0310000000 PS 2.0 MC | N.27 N.28 | | BLF 5.08HC/07/90LR SN OR BX | K.111 | 1017470000 | BLF 5.00HC/06/180F SN OR BX | K.47 | 1031570000 SCD-THR 3.81/20/180F 3.2SN BK BX J.15 |
| 0310000000 PS 2.0 MC | N.29 | | BLF 5.08HC/08/90LR SN OR BX BLF 5.08HC/09/90LR SN OR BX | K.111 K.111 | 1017480000 | | K.47 | 1031590000 SCD-THR 3.81/22/180F 3.2SN BK BX J.19 1031610000 SCD-THR 3.81/24/180F 3.2SN BK BX J.19 |
| 0310000000 PS 2.0 MC 0310000000 PS 2.0 MC | N.30 N.31 | | BLF 5.08HC/10/90LR SN OR BX | K.111 | 1017510000 | BLF 5.00HC/09/180F SN OR BX | K.47 | 1032090000 SCDV 3.81/04/90G 3.2SN 0R BX J.40 |
| 0310000000 PS 2.0 MC | N.32 N.33 | | BLF 5.08HC/11/90LR SN OR BX BLF 5.08HC/12/90LR SN OR BX | K.111 K.111 | 1017520000 | BLF 5.00HC/10/180F SN OR BX BLF 5.00HC/11/180F SN OR BX | K.47 | 1032110000 SCDV 3.81/06/90G 3.2SN 0R BX J.40 1032120000 SCDV 3.81/08/90G 3.2SN 0R BX J.40 |
| 0310000000 PS 2.0 MC 0310000000 PS 2.0 MC | N.33 N.34 | 1003280000 | SMSE FE MCZ 1.5/PE | S.45 | 1017540000 | | K.47 | 1032130000 SCDV 3.81/10/90G 3.2SN OR BX J.40 |
| 0310000000 PS 2.0 MC | N.35 N.36 | | SL-SMT 3.50/02/135F 3.2SN BK BX SL-SMT 3.50/03/135F 3.2SN BK BX | I.41 I.41 | 1017860000 | BLF 5.00HC/02/180 SN OR BX BLF 5.00HC/03/180 SN OR BX | K.46 K.46 | 1032140000 SCDV 3.81/12/90G 3.2SN 0R BX J.40 1032150000 SCDV 3.81/14/90G 3.2SN 0R BX J.40 |
| 0310000000 PS 2.0 MC 0310000000 PS 2.0 MC | N.36 N.37 | | SL-SMT 3.50/04/135F 3.2SN BK BX | 1.41 | 1017880000 | | K.46 | 1032160000 SCDV 3.81/16/90G 3.2SN OR BX J.40 |
| 0310000000 PS 2.0 MC | N.38 | | SL-SMT 3.50/05/135F 3.2SN BK BX SL-SMT 3.50/06/135F 3.2SN BK BX | I.41 I.41 | 1017890000 1017910000 | BLF 5.00HC/05/180 SN OR BX BLF 5.00HC/06/180 SN OR BX | K.46 K.46 | 1032170000 SCDV 3.81/18/90G 3.2SN 0R BX J.40 1032190000 SCDV 3.81/20/90G 3.2SN 0R BX J.40 |
| 0310000000 PS 2.0 MC 0310000000 PS 2.0 MC | N.39 N.40 | | SL-SMT 3.50/07/135F 3.2SN BK BX | 1.41 | 1017920000 | | K.46 | 1032200000 SCDV 3.81/22/90G 3.2SN 0R BX J.40 |
| 0310000000 PS 2.0 MC | N.41 | | SL-SMT 3.50/08/135F 3.2SN BK BX SL-SMT 3.50/09/135F 3.2SN BK BX | I.41 I.41 | 1017930000 | | K.46 K.46 | 1032210000 SCDV 3.81/24/90G 3.2SN 0R BX J.40 1032580000 SCDV 3.81/04/90F 3.2SN 0R BX J.41 |
| 0310000000 PS 2.0 MC | R.6 | | SL-SMT 3.50/10/135F 3.2SN BK BX | 1.41 | 1017960000 | | K.46 | 1032590000 SCDV 3.81/06/90F 3.2SN OR BX J.41 |
| 047000000 | | | SL-SMT 3.50/11/135F 3.2SN BK BX SL-SMT 3.50/12/135F 3.2SN BK BX | I.41 I.41 | 1017970000 | BLF 5.00HC/11/180 SN OR BX BLF 5.00HC/12/180 SN OR BX | K.46 K.46 | 1032600000 SCDV 3.81/08/90F 3.2SN 0R BX J.41 1032610000 SCDV 3.81/10/90F 3.2SN 0R BX J.41 |
| 0473360000 DEK 5 NEUTRAL | N.18 | 1003890000 | WGK 4 VP GN/YE BX | 0.13 | | | 10.40 | 1032620000 SCDV 3.81/12/90F 3.2SN OR BX J.41 |
| 0473360000 DEK 5 NEUTRAL 0473360000 DEK 5 NEUTRAL | N.19 N.20 | | WGK 4 VP/Z GN/YE BX WGK 4 VP/Z GY BX | 0.13 0.13 | 1020 | 000000 | | 1032630000 SCDV 3.81/14/90F 3.2SN 0R BX J.41 1032640000 SCDV 3.81/16/90F 3.2SN 0R BX J.41 |
| 0473360000 DEK 5 NEUTRAL | N.20 | | SL-SMT 3.50/10/90LF 1.5SN BK RL | I.31 | 1020640000 | AP RF 122 LI OR | S.55 | 1032650000 SCDV 3.81/18/90F 3.2SN OR BX J.41 |
| 0473360000 DEK 5 NEUTRAL 0473360000 DEK 5 NEUTRAL | N.22 N.24 | | BCZ 3.81 AH03 BK BX BCZ 3.81 AH03 BK BX | J.48 M.4 | 1020650000 | AP RF 122 RE OR RF 108 OR | S.55 S.55 | 1032660000 SCDV 3.81/20/90F 3.2SN 0R BX J.41 1032670000 SCDV 3.81/22/90F 3.2SN 0R BX J.41 |
| 04/3300000 DEK 5 NEOTRAL | 19.24 | | BCZ 3.81 AHO4 BK BX | J.48 | 1026760000 | | 0.108 | 1032680000 SCDV 3.81/24/90F 3.2SN OR BX J.41 |
| 0510000000 | | | BCZ 3.81 AH04 BK BX BCZ 3.81 AH05 BK BX | M.4 J.48 | 1026770000 | | 0.108 | 1033490000 SCDV-THR 3.81/04/90G 3.2SN BK BX J.22 1033510000 SCDV-THR 3.81/06/90G 3.2SN BK BX J.22 |
| 0514510000 TS 35X7.5/LL 1M/ST/ZN | S.41 | 1005300000 | BCZ 3.81 AH05 BK BX | M.4 | 1026790000 | SL 7.62HP/05/90G 3.2SN BK BX | 0.108 | 1033520000 SCDV-THR 3.81/08/90G 3.2SN BK BX J.22 |
| 004000000 | | | BCZ 3.81 AH06 BK BX BCZ 3.81 AH06 BK BX | J.48 M.4 | 1026850000 | | 0.109 | 1033530000 SCDV-THR 3.81/10/90G 3.2SN BK BX J.22 1033540000 SCDV-THR 3.81/12/90G 3.2SN BK BX J.22 |
| 064000000 | | 1005320000 | BCZ 3.81 AH07 BK BX | J.48 | 1026870000 | SL 7.62HP/04/90F 3.2 SN BK BX | 0.109 | 1033550000 SCDV-THR 3.81/14/90G 3.2SN BK BX J.22 |
| 0646210000 M0FU 35/LD/1 SW | S.56 | | BCZ 3.81 AH07 BK BX BCZ 3.81 AH08 BK BX | M.4 J.48 | 1026880000 1028120000 | | 0.109 S.54 | 1033560000 SCDV-THR 3.81/16/90G 3.2SN BK BX J.22 1033570000 SCDV-THR 3.81/18/90G 3.2SN BK BX J.22 |
| 100000000 | | 1005330000 | BCZ 3.81 AH08 BK BX | M.4 | 1028720000 | BCL-SMT 3.81/02/90LFI 1.5SN BK BX | J.59 | 1033580000 SCDV-THR 3.81/20/90G 3.2SN BK BX J.22 |
| 1000550000 BL-I/O 3.50/30LR SN BK BX | 1.55 | | BCZ 3.81 AH09 BK BX BCZ 3.81 AH09 BK BX | J.48 M.4 | 1028730000 1028740000 | | J.59 J.59 | 1033590000 SCDV-THR 3.81/22/90G 3.2SN BK BX J.22 1033600000 SCDV-THR 3.81/24/90G 3.2SN BK BX J.22 |
| 1000570000 BL-I/O 3.50/30LR PNP LED SN BK BX | 1.57 | | BCZ 3.81 AH10 BK BX | J.48 | 1028750000 | | J.59 | 1033970000 SCDV-THR 3.81/04/90F 3.2SN BK BX J.23 |
| 1000590000 BL-I/O 3.50/30LR NPN LED SN BK BX 1000600000 SL-SMT 3.50/04/90RF 1.5SN BK BX | 1.59 | | BCZ 3.81 AH10 BK BX BCZ 3.81 AH11 BK BX | M.4 M.4 | 1028760000 1028770000 | | J.59 J.59 | 1033980000 SCDV-THR 3.81/06/90F 3.2SN BK BX J.23 1033990000 SCDV-THR 3.81/08/90F 3.2SN BK BX J.23 |
| 1000610000 SL-SMT 3.50/05/90RF 1.5SN BK BX | 1.33 | | BCZ 3.81 AH12 BK BX | J.48 | 1028790000 | | J.59 | 1034010000 SCDV-THR 3.81/10/90F 3.2SN BK BX J.23 |
| 1000620000 SL-SMT 3.50/06/90RF 1.5SN BK BX 1000630000 SL-SMT 3.50/07/90RF 1.5SN BK BX | 1.33 | | BCZ 3.81 AH12 BK BX BCZ 3.81 AH13 BK BX | M.4 J.48 | 1028810000 | | J.59 J.59 | 1034020000 SCDV-THR 3.81/12/90F 3.2SN BK BX J.23 1034030000 SCDV-THR 3.81/14/90F 3.2SN BK BX J.23 |
| 1000640000 SL-SMT 3.50/08/90RF 1.5SN BK BX | 1.33 | | BCZ 3.81 AH14 BK BX | J.48 | 1028830000 | | J.59 | 1034040000 SCDV-THR 3.81/16/90F 3.2SN BK BX J.23 |
| 1000650000 SL-SMT 3.50/09/90RF 1.5SN BK BX 1000660000 SL-SMT 3.50/11/90RF 1.5SN BK BX | 1.33 | | BCZ 3.81 AH15 BK BX BCZ 3.81 AH16 BK BX | J.48 J.48 | 1028840000 1029260000 | | J.59 J.61 | 1034050000 SCDV-THR 3.81/18/90F 3.2SN BK BX J.23 1034060000 SCDV-THR 3.81/20/90F 3.2SN BK BX J.23 |
| 1000670000 SL-SMT 3.50/12/90RF 1.5SN BK BX | 1.33 | 1040 | 00000 | | 1029270000 | | J.61 J.61 | 1034070000 SCDV-THR 3.81/22/90F 3.2SN BK BX J.23 |
| 1001150000 BLDF 5.08/02/180 SN OR BX 1001160000 BLDF 5.08/03/180 SN OR BX | K.114 K.114 | 1010 | 000000 | | 1029280000 | | J.61 | 1034080000 SCDV-THR 3.81/24/90F 3.2SN BK BX J.23 1034470000 SCDV 3.81/04/180G 3.2SN 0R BX J.42 |
| 1001170000 BLDF 5.08/04/180 SN OR BX | K.114 | | AP 45/LI OR 1665 AP 45/RE OR 1665 | S.50 S.50 | 1029310000 | | J.61 J.61 | 1034490000 SCDV 3.81/06/180G 3.2SN OR BX J.42 1034510000 SCDV 3.81/08/180G 3.2SN OR BX J.42 |
| 1001180000 BLDF 5.08/05/180 SN OR BX 1001190000 BLDF 5.08/06/180 SN OR BX | K.114 K.114 | | BLDF 5.08/03/180F SN OR BX | K.115 | 1029320000 | | J.61 | 1034510000 SCDV 3.81/108/180G 3.25N OR BX J.42 1034520000 SCDV 3.81/10/180G 3.25N OR BX J.42 |
| 1001200000 BLDF 5.08/07/180 SN OR BX | K.114 | | BLF 5.08HC/02/180F SN OR BX BLF 5.08HC/03/180F SN OR BX | K.109 K.109 | 1029340000 | BCL-SMT 3.81/09/180LFI 1.5SN BK BX BCL-SMT 3.81/10/180LFI 1.5SN BK BX | J.61 J.61 | 1034530000 SCDV 3.81/12/180G 3.2SN OR BX J.42 1034540000 SCDV 3.81/14/180G 3.2SN OR BX J.42 |
| 1001210000 BLDF 5.08/08/180 SN OR BX 1001220000 BLDF 5.08/02/180F SN OR BX | K.114 K.115 | 1013110000 | BLF 5.08HC/04/180F SN OR BX | K.109 | 1029360000 | BCL-SMT 3.81/11/180LFI 1.5SN BK BX | J.61 | 1034550000 SCDV 3.81/16/180G 3.2SN OR BX J.42 |
| 1001530000 BLF 5.08HC/02/90 SN OR BX 1001540000 BLF 5.08HC/03/90 SN OR BX | K.110 K.110 | | BLF 5.08HC/05/180F SN OR BX BLF 5.08HC/06/180F SN OR BX | K.109 K.109 | 1029370000 | | J.61 J.36 | 1034560000 SCDV 3.81/18/180G 3.2SN OR BX J.42 1034570000 SCDV 3.81/20/180G 3.2SN OR BX J.42 |
| 1001550000 BLF 5.08HC/04/90 SN OR BX | K.110 | 1013140000 | BLF 5.08HC/07/180F SN OR BX | K.109 | 1029940000 | SCD 3.81/06/180G 3.2SN OR BX | J.36 | 1034580000 SCDV 3.81/22/180G 3.2SN OR BX J.42 |
| 1001560000 BLF 5.08HC/05/90 SN OR BX | K.110 K.110 | | BLF 5.08HC/08/180F SN OR BX BLF 5.08HC/09/180F SN OR BX | K.109 K.109 | 1029950000 | | J.36 J.36 | 1034590000 SCDV 3.81/24/180G 3.2SN OR BX J.42 1034980000 SCDV 3.81/04/180F 3.2SN OR BX J.43 |
| 1001570000 BLF 5.08HC/06/90 SN OR BX 1001580000 BLF 5.08HC/07/90 SN OR BX | K.110 | 1013170000 | BLF 5.08HC/10/180F SN OR BX | K.109 | 1029970000 | SCD 3.81/12/180G 3.2SN OR BX | J.36 | 1034990000 SCDV 3.81/06/180F 3.2SN OR BX J.43 |
| 1001590000 BLF 5.08HC/08/90 SN OR BX | K.110 | 1013180000 I | BLF 5.08HC/11/180F SN OR BX | K.109 | 1029980000 | SCD 3.81/14/180G 3.2SN OR BX | J.36 | 1035010000 SCDV 3.81/08/180F 3.2SN OR BX J.43 |
| | | | | | | | | |



X.22 Weidmüller ₹ 2977770000

| 1035030000 SCDV-381/12/180F 3.2SN 0R BX | Order No. | Туре | Page |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------|--------------|
| 1035600000 SCDV 3.81/14/180F 3.2 SN DR BX | 1035020000 | SCDV 3.81/10/180F 3.2SN OR BX | J.43 |
| 1035600000 SCDV 3.811/26/180F 3.2SN OR BX J. 1035600000 SCDV-THR 3.81/04/180G 3.2SN BK BX J. 1035400000 SCDV-THR 3.81/04/180G 3.2SN BK BX J. 1035400000 SCDV-THR 3.81/06/180G 3.2SN BK BX J. 1035500000 SCDV-THR 3.81/106/180G 3.2SN BK BX J. 1035500000 SCDV-THR 3.81/06/180G 3.2SN BK BX J. 1035500000 SCDV-THR 3.81/106/180G 3.2SN BK BX J. 1035500000 SCDV-THR 3.81/106/180G 3.2SN BK BX J. 1035500000 SCDV-THR 3.81/106/180G 3.2SN BK BX J. 1036500000 SCDV-THR 3.81/106/180G 3.2SN BK BX J. 1036600000 SCDV-THR 3.81/106/180G 3.2SN BK BX J. 1 | | | J.43 |
| 1035600000 SCDV 3.81/18/180F 3.2SN DR BX | | | J.43 J.43 |
| 1035690000 SCDV 3.81/724/180F 3.2SN OR BX | 1035060000 | | J.43 |
| 1035590000 SCDV-1HR 3.81/24/180F 3.2SN DR BX | | | J.43 |
| 1035490000 SCDV-THR 3.81/06/1806 3.2SN BK BX | | | J.43 J.43 |
| 1035490000 SCDV-THR 3.817/01/80G 3.2SN BK BX | | | J.24 |
| 1035510000 SCDV-THR 3.81/12/180G 3.2SN BK BX | | | J.24 |
| 1035520000 SCDV-THR 3.81/12/1806 3.2SN BK BX | | | J.24 J.24 |
| 1035560000 SCDV-THR 3.81/16/180G 3.2SN BK BX | | | J.24 |
| 1035550000 SCDV-THR 3.81/12/1906 3.25N BK BX | | | J.24 |
| 1035560000 SCDV-THR 3.81/22/1806 3.2SN BK BX J. 1035560000 SCDV-THR 3.81/24/1806 3.2SN BK BX J. 1035560000 SCDV-THR 3.81/24/1806 3.2SN BK BX J. 103560000 SCDV-THR 3.81/04/1806 3.2SN BK BX J. 103560000 SCDV-THR 3.81/06/1806 3.2SN BK BX J. 103560000 SCDV-THR 3.81/06/1806 3.2SN BK BX J. 103590000 SCDV-THR 3.81/06/1806 3.2SN BK BX J. 103590000 SCDV-THR 3.81/06/1806 3.2SN BK BX J. 103590000 SCDV-THR 3.81/12/1806 3.2SN BK BX J. 1036900000 SCDV-THR 3.81/20/1806 3.2SN BK BX J. 1036900000 SCS-MT 3.81/02/2706 3.2SN BK BX J. 1036900000 SCS-MT 3.81/02/2706 3.2SN BK BX J. 1036900000 SCS-MT 3.81/02/2706 3.2SN BK BX J. 1036950000 SCS-MT 3.81/06/2706 3.2SN BK BX J. 1037900000 | | | J.24 J.24 |
| 1035550000 SCDV-THR 3.81/24/180F 3.25N BK BX | | SCDV-THR 3.81/20/180G 3.2SN BK BX | J.24 |
| 1035960000 SCDV-THR 3.81/08/180F 3.2SN BK BX J. 1035960000 SCDV-THR 3.81/08/180F 3.2SN BK BX J. 1035960000 SCDV-THR 3.81/10/180F 3.2SN BK BX J. 1035960000 SCDV-THR 3.81/12/180F 3.2SN BK BX J. 1035960000 SCDV-THR 3.81/12/180F 3.2SN BK BX J. 1036960000 SCDV-THR 3.81/12/180F 3.2SN BK BX J. 1036960000 SCDV-THR 3.81/12/180F 3.2SN BK BX J. 1036000000 SCS-MT 3.81/02/170G 3.2SN BK BX J. 1036000000 SCS-MT 3.81/02/170G 3.2SN BK BX J. 1036500000 SCS-MT 3.81/02/170G 3.2SN BK BX J. 1036500000 SCS-MT 3.81/06/170G 3.2SN BK BX J. 1036500000 SCS-MT 3.81/10/170G 3.2SN BK BX J. 1036500000 SCS-MT 3.81/10/170G 3.2SN BK BX J. 1037000000 SCS-MT 3.81/06/170G 3.2SN BK BX J. 1037500000 SCS-MT 3.81/06/170G 3.2SN BK BX J. 1037500000 S | | | J.24 |
| 1035990000 SCDV-THR 3.81/08/180F 3.25N BK BX | | | J.24 J.25 |
| 1035980000 SCDV-THR 3.81/12/180F 3.2SN BK BX | | | J.25 |
| 1038900000 SCDV-THR 3.81/12/180F3.2SN BK BX | | | J.25 J.25 |
| 1038620000 SCDV-THR 3.81/12/180F 3.2SN BK BX J. 1038600000 SCDV-THR 3.81/26/180F 3.2SN BK BX J. 10386400000 SCS-SMT 3.81/02/270G 3.2SN BK BX J. 10386400000 SC-SMT 3.81/02/270G 3.2SN BK BX J. 10386500000 SC-SMT 3.81/02/270G 3.2SN BK BX J. 10387000000 SC-SMT 3.81/02/270G 3.2SN BK BX J. 1037000000 SC-SMT 3.81/02/270G 3.2SN BK BX J. 1037000000 SC-SMT 3.81/02/270F 3.2SN BK BX J. 1037000000 SC-SMT 3.81/02/270G 3.2SN BK BX J. 10370400000 SC-SMT 3.81/02/270G 3.2SN BK BX J. | | | J.25 |
| 1036030000 SCDV-THR 3.81/12/180F 3.25N BK BX | | | J.25 |
| 10386040000 SCDV-THR 3.81/22/180F 3.2SN BK BX | | | J.25 J.25 |
| 1038650000 SCDV-THR 3.81/22/180F 3.2SN BK BX J. 1038680000 SCDV-THR 3.81/22/180F 3.2SN BK BX J. 10386480000 SC-SMT 3.81/02/270G 3.2SN BK BX J. 1038640000 SC-SMT 3.81/02/270G 3.2SN BK BX J. 1038650000 SC-SMT 3.81/06/270G 3.2SN BK BX J. 1038650000 SC-SMT 3.81/10/270G 3.2SN BK BX J. 1038650000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 10387020000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037020000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037020000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037040000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037050000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037050000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037060000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037560000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037560000 | | | J.25 |
| 1038490000 SC-SMT 3.81/02/2706 3.2SN BK BX | | | J.25 |
| 1036490000 SC-SMT 3.81/03/2706 3.25N BK BX | | | J.25 |
| 1036520000 SC-SMT 3.81/05/2706 3.2SN BK BX | | | J.14 J.14 |
| 1036530000 SC-SMT 3.81/06/2706 3.2SN BK BX | | | J.14 |
| 1036540000 SC-SMT 3.81/07/2706 3.2SN BK BX | | | J.14 J.14 |
| 1036560000 SC.SMT 3.81/09/2706 3.2SN BK BX | | | J.14 |
| 1036570000 SC-SMT 3.81/10/2706 3.2SN BK BX | | | J.14 |
| 1036560000 | | | J.14 J.14 |
| 1039690000 SC-SMT 3.81/02/270F 3.2SN BK BX | | | J.14 |
| 1037100000 | | | J.14 |
| 1037200000 SC-SMT 3.81/04/270F 3.2SN BK BX J. 1037030000 SC-SMT 3.81/06/270F 3.2SN BK BX J. 1037050000 SC-SMT 3.81/09/270F 3.2SN BK BX J. 1037050000 SC-SMT 3.81/09/270F 3.2SN BK BX J. 1037050000 SC-SMT 3.81/10/270F 3.2SN BK BX J. 1037050000 SC-SMT 3.81/10/270F 3.2SN BK BX J. 1037050000 SC-SMT 3.81/10/270F 3.2SN BK BX J. 1037050000 SC-SMT 3.81/11/270F 3.2SN BK BX J. 1037100000 SC-SMT 3.81/11/270F 3.2SN BK BX J. 1037100000 SC-SMT 3.81/11/270F 3.2SN BK BX J. 1037500000 SC-3.81/02/270G 3.2SN OR BX J. 1037500000 SC-3.81/02/270G 3.2SN OR BX J. 1037500000 SC-3.81/06/270G 3.2SN OR BX J. 1037600000 SC-3.81/06/270G 3.2SN OR BX J. 1037600000 SC-3.81/06/270G 3.2SN OR BX J. 1037600000 SC-3.81/06/270G 3.2SN OR BX J. 1038000000 S | | | J.15 J.15 |
| 103760000 SC.SMT 3.81/06/270F 3.2SN BK BX | | | J.15 |
| 1037050000 SC-SMT 3.81/07/270F 3.2SN BK BX | | | J.15 |
| 1037060000 SC-SMT 3.81/08/270F 3.2SN BK BX | | | J.15 J.15 |
| 103760000 SC-SMT 3 81/10/270F 3 25N BK BX J. 1037090000 SC-SMT 3 81/10/270F 3 25N BK BX J. 103710000 SC-SMT 3 81/10/270F 3 25N BK BX J. 103710000 SC-SMT 3 81/10/270F 3 25N BK BX J. 103750000 SC 3 81/02/270G 3 25N OR BX J. 103750000 SC 3 81/04/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/06/270G 3 25N OR BX J. 103750000 SC 3 81/10/270G 3 25N OR BX J. 103750000 SC 3 81/10/270G 3 25N OR BX J. 103750000 SC 3 81/10/270G 3 25N OR BX J. 103750000 SC 3 81/10/270G 3 25N OR BX J. 103760000 SC 3 81/10/270G 3 25N OR BX J. 103760000 SC 3 81/10/270G 3 25N OR BX J. 1038040000 SC 3 81/06/270G 3 25N OR BX J. 1038050000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. 1038060000 SC 3 81/06/270G 3 25N OR BX J. | | | J.15 |
| 1037090000 SC-SMT 3.81/11/270F 3.2SN BK BX | | | J.15 |
| 103710000 | | | J.15 J.15 |
| 1037510000 | | | J.15 |
| 1037520000 | | | J.32 |
| 1037500000 | | | J.32 J.32 |
| 1037550000 | 1037530000 | | J.32 |
| 1037560000 | | | J.32 |
| 1037570000 | | | J.32 J.32 |
| 1037590000 | | | J.32 |
| 1037610000 | | | J.32 |
| 1038040000 SC 3.81/02/270F 3.2SN OR BX J. 1038050000 SC 3.81/04/270F 3.2SN OR BX J. 1038050000 SC 3.81/04/270F 3.2SN OR BX J. 1038050000 SC 3.81/04/270F 3.2SN OR BX J. 1038050000 SC 3.81/05/270F 3.2SN OR BX J. 1038050000 SC 3.81/06/270F 3.2SN OR BX J. 103810000 SC 3.81/10/270F 3.2SN OR BX J. 103810000 SC 3.81/10/270F 3.2SN OR BX J. 1038150000 SC 3.81/10/270F 3.2SN OR BX J. 1038150000 SC 3.81/10/270F 3.2SN OR BX J. 1038950000 SCDN-THR 3.81/06/90G 3.2SN BK BX J. 1038950000 SCDN-THR 3.81/06/90G 3.2SN BK BX J. 1038950000 SCDN-THR 3.81/10/90G 3.2SN BK BX J. 1038950000 SCDN-THR 3.81/10/90G 3.2SN BK BX J. 1038950000 SCDN-THR 3.81/10/90G 3.2SN BK BX J. 1039300000 SCDN-THR 3.81/10/90G 3.2SN BK BX J. 10393000000 SCDN-THR 3.81/10/90G 3.2SN BK BX J. 10393000000 SCDN-THR 3.81/1 | | | J.32 J.32 |
| 1038060000 SC 3.81/04/270F 3.2SN 0R BX J. 1038070000 SC 3.81/05/270F 3.2SN 0R BX J. 1038070000 SC 3.81/05/270F 3.2SN 0R BX J. 1038080000 SC 3.81/05/270F 3.2SN 0R BX J. 1038080000 SC 3.81/05/270F 3.2SN 0R BX J. 1038110000 SC 3.81/05/270F 3.2SN 0R BX J. 1038130000 SC 3.81/10/270F 3.2SN 0R BX J. 1038140000 SC 3.81/10/270F 3.2SN 0R BX J. 1038150000 SC 3.81/10/270F 3.2SN 0R BX J. 1038160000 SC 3.81/11/270F 3.2SN 0R BX J. 1038960000 SCDN-THR 3.81/06/90G 3.2SN BK BX J. 1038960000 SCDN-THR 3.81/06/90G 3.2SN BK BX J. 1038990000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 1038990000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 1039030000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 10390500000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 1039050000 SCDN- | | | J.33 |
| 1038090000 SC 3.81/05/270F 3.2SN 0R BX J. | | | J.33 |
| 1038080000 | | | J.33 J.33 |
| 103810000 SC 3.81/08/270F 3.25N 0R BX | 1038080000 | SC 3.81/06/270F 3.2SN OR BX | J.33 |
| 1038130000 SC 3.81/19/270F 3.2SN 0R BX | | | J.33 |
| 1038140000 SC 3.81/10/270F 3.2SN 0R BX | | | J.33 J.33 |
| 1038160000 SC 3 81/12/270F 3 25N 0R BX | 1038140000 | SC 3.81/10/270F 3.2SN OR BX | J.33 |
| 1038950000 SCDN-THR 3.81/04/90G 3.2SN BK BX J. 1038960000 SCDN-THR 3.81/06/90G 3.2SN BK BX J. 1038970000 SCDN-THR 3.81/10/90G 3.2SN BK BX J. 1038980000 SCDN-THR 3.81/10/90G 3.2SN BK BX J. 1038990000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 1038900000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 103900000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039400000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039400000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039400000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039500000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. | | | J.33 |
| 1038960000 SCDN-THR 3.81/06/90G 3.2SN BK BX J. 1038970000 SCDN-THR 3.81/08/90G 3.2SN BK BX J. 1038990000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1038990000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 103900000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 103900000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039030000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039030000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039050000 SCDN-THR 3.81/22/90G 3.2SN BK BX J. 1039450000 SCDN-THR 3.81/08/90F 3.2SN BK BX J. 1039450000 SCDN-THR 3.81/08/90F 3.2SN BK BX J. 1039550000 SCDN-THR 3.81/16/90F 3.2SN BK BX J. | | | J.33 J.20 |
| 1038980000 SCDN-THR 3.81/10/90G 3.2SN BK BX J. 1038990000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 1038910000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 1039020000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039020000 SCDN-THR 3.81/16/90G 3.2SN BK BX J. 1039040000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 103940000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 1039460000 SCDN-THR 3.81/12/90G 3.2SN BK BX J. 1039460000 SCDN-THR 3.81/19/90F 3.2SN BK BX J. 1039460000 SCDN-THR 3.81/19/90F 3.2SN BK BX J. 10395600000 SCDN-THR 3.81/14/90F 3.2SN BK BX J. | 1038960000 | SCDN-THR 3.81/06/90G 3.2SN BK BX | J.20 |
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| 1039460000 SCDN-THR 3.81/08/90F 3.25N BK BX J. 1039450000 SCDN-THR 3.81/10/90F 3.25N BK BX J. 1039530000 SCDN-THR 3.81/12/90F 3.25N BK BX J. 1039540000 SCDN-THR 3.81/14/90F 3.25N BK BX J. 1039560000 SCDN-THR 3.81/16/90F 3.25N BK BX J. 1039560000 SCDN-THR 3.81/16/90F 3.25N BK BX J. 1039560000 SCDN-THR 3.81/16/90F 3.25N BK BX J. 1039560000 SCDN-THR 3.81/20/90F 3.25N BK BX J. | | | J.21 J.21 |
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| 1039580000 SCDN-THR 3.81/22/90F 3.2SN BK BX J. | | | J.21 J.21 |
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| 1038580000 SCDN-1HR 3.81/24/90F 3.2SN BK BX J.3 | 1039590000 | SCDN-THR 3.81/24/90F 3.2SN BK BX | J.21 |

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| 1040410000 | SCDN 3.81/04/90G 3.2SN OR BX | J.38 |
| 1040420000 | SCDN 3.81/06/90G 3.2SN OR BX SCDN 3.81/08/90G 3.2SN OR BX | J.38 J.38 |
| 1040440000 | SCDN 3.81/10/90G 3.2SN OR BX | J.38 |
| 1040450000 1040460000 | SCDN 3.81/12/90G 3.2SN OR BX SCDN 3.81/14/90G 3.2SN OR BX | J.38 J.38 |
| 1040470000 | SCDN 3.81/16/90G 3.2SN OR BX | J.38 |
| 1040490000 | SCDN 3.81/18/90G 3.2SN OR BX SCDN 3.81/20/90G 3.2SN OR BX | J.38 J.38 |
| 1040520000 | SCDN 3.81/22/90G 3.2SN OR BX | J.38 |
| 1040530000 | SCDN 3.81/24/90G 3.2SN OR BX SCDN 3.81/04/90F 3.2SN OR BX | J.38 J.39 |
| 1040970000 | SCDN 3.81/06/90F 3.2SN OR BX | J.39 |
| 1040980000 1040990000 | SCDN 3.81/08/90F 3.2SN OR BX SCDN 3.81/10/90F 3.2SN OR BX | J.39 J.39 |
| 1041000000 | SCDN 3.81/12/90F 3.2SN OR BX | J.39 |
| 1041010000 1041020000 | SCDN 3.81/14/90F 3.2SN OR BX SCDN 3.81/16/90F 3.2SN OR BX | J.39 J.39 |
| 1041030000 | SCDN 3.81/18/90F 3.2SN OR BX | J.39 |
| 1041040000 1041050000 | SCDN 3.81/20/90F 3.2SN OR BX SCDN 3.81/22/90F 3.2SN OR BX | J.39 J.39 |
| 1041060000 | SCDN 3.81/24/90F 3.2SN OR BX | J.39 |
| 1043230000 | BLL 7.62HP/02/90 3.2SN BK BX BLL 7.62HP/03/90 3.2SN BK BX | 0.124 |
| 1043250000 | BLL 7.62HP/04/90 3.2SN BK BX | 0.124 |
| 1043260000 | BLL 7.62HP/05/90 3.2SN BK BX BLL 7.62HP/02/90F 3.2SN BK BX | 0.124 |
| 1043280000 | BLL 7.62HP/03/90F 3.2SN BK BX | 0.125 |
| 1043290000 | BLL 7.62HP/04/90F 3.2SN BK BX BLL 7.62HP/05/90F 3.2SN BK BX | 0.125 |
| 1043590000 | SLF 7.62HP/02/180G SN BK BX | 0.118 |
| 1043600000 1043610000 | SLF 7.62HP/03/180G SN BK BX SLF 7.62HP/04/180G SN BK BX | 0.118 |
| 1043620000 | SLF 7.62HP/05/180G SN BK BX | 0.118 |
| 1043670000 | SLF 7.62HP/02/180F SN BK BX SLF 7.62HP/03/180F SN BK BX | 0.119 |
| 1043690000 | SLF 7.62HP/04/180F SN BK BX | 0.119 |
| 1043700000 | SLF 7.62HP/05/180F SN BK BX SLF 7.62HP/02/180LR SN BK BX | 0.119 |
| 1043760000 | SLF 7.62HP/03/180LR SN BK BX | 0.119 |
| 1043770000 1043780000 | SLF 7.62HP/04/180LR SN BK BX SLF 7.62HP/05/180LR SN BK BX | 0.119 |
| 1043830000 | BLF 7.62HP/02/180 SN BK BX | 0.122 |
| 1043840000 1043850000 | BLF 7.62HP/03/180 SN BK BX BLF 7.62HP/04/180 SN BK BX | 0.122 |
| 1043860000 | BLF 7.62HP/05/180 SN BK BX | 0.122 |
| 1043910000 1043920000 | BLF 7.62HP/02/180F SN BK BX BLF 7.62HP/03/180F SN BK BX | 0.123 |
| 1043930000 | BLF 7.62HP/04/180F SN BK BX | 0.123 |
| 1043940000 | BLF 7.62HP/05/180F SN BK BX BLF 7.62HP/02/180LR SN BK BX | 0.123 |
| 1044000000 | BLF 7.62HP/03/180LR SN BK BX | 0.123 |
| 1044010000 | BLF 7.62HP/04/180LR SN BK BX BLF 7.62HP/05/180LR SN BK BX | 0.123 |
| 1047120000 | LXXX 15.00/01/90 4.5SN BK BX | N.24 |
| 1047130000 1047140000 | LXXX 15.00/02/90 4.5SN BK BX LXXX 15.00/03/90 4.5SN BK BX | N.24 N.24 |
| 1047150000 | LXXX 15.00/04/90 4.5SN BK BX | N.24 |
| 1047280000 1047290000 | LXXX 15.00/01/90F 4.5SN BK BX LXXX 15.00/02/90F 4.5SN BK BX | N.25 N.25 |
| 1047300000 | LXXX 15.00/03/90F 4.5SN BK BX | N.25 |
| 1047310000 1047440000 | LXXX 15.00/04/90F 4.5SN BK BX LXXX 15.00/01/90FL 4.5SN BK BX | N.25 N.25 |
| 1047450000 | LXXX 15.00/02/90FL 4.5SN BK BX | N.25 |
| 1047460000 1047470000 | LXXX 15.00/03/90FL 4.5SN BK BX LXXX 15.00/04/90FL 4.5SN BK BX | N.25 N.25 |
| 1047600000 | LXXX 15.00/01/90FR 4.5SN BK BX | N.25 |
| 1047610000 | LXXX 15.00/02/90FR 4.5SN BK BX LXXX 15.00/03/90FR 4.5SN BK BX | N.25 N.25 |
| 1047630000 | LXXX 15.00/04/90FR 4.5SN BK BX | N.25 |
| 1048350000 1048370000 | SV 7.62HP/02/180MF2 3.5SN BK BX SV 7.62HP/02/270MF2 3.5SN BK BX | 0.154 |
| 1048390000 | SV 7.62HP/02/90MF2 3.5SN BK BX | 0.150 |
| 1048410000 | SV 7.62HP/03/180MF2 3.5SN BK BX SV 7.62HP/03/180MF3 3.5SN BK BX | 0.154 |
| 1048450000 | SV 7.62HP/03/270MF2 3.5SN BK BX | 0.158 |
| 1048460000 | SV 7.62HP/03/270MF3 3.5SN BK BX SV 7.62HP/03/90MF2 3.5SN BK BX | 0.159 |
| 1048500000 | SV 7.62HP/03/90MF3 3.5SN BK BX | 0.150 |
| 1048530000 | SV 7.62HP/04/180MF3 3.5SN BK BX SV 7.62HP/04/270MF3 3.5SN BK BX | 0.155 |
| 1048570000 | SV 7.62HP/04/90MF3 3.5SN BK BX | 0.151 |
| 1048590000 1048600000 | SV 7.62HP/05/180MF3 3.5SN BK BX SV 7.62HP/05/180MF4 3.5SN BK BX | 0.155 0.155 |
| 1048640000 | SV 7.62HP/05/270MF3 3.5SN BK BX | 0.159 |
| 1048650000 | SV 7.62HP/05/270MF4 3.5SN BK BX SV 7.62HP/05/90MF3 3.5SN BK BX | 0.159 |
| 1048690000 | SV 7.62HP/05/90MF4 3.5SN BK BX | 0.151 |
| 1048720000 1048740000 | SV 7.62HP/06/180MF4 3.5SN BK BX SV 7.62HP/06/270MF4 3.5SN BK BX | 0.155 0.159 |
| 1048760000 | SV 7.62HP/06/90MF4 3.5SN BK BX | 0.151 |
| 1048980000 | SL 7.62HP/05/180G 3.2SN BK BX SL 7.62HP/06/180G 3.2SN BK BX | 0.110 0.110 |
| 1049000000 | SL 7.62HP/08/180G 3.2SN BK BX | 0.110 |
| 1049010000 | BLZ 7.62HP/05/180 SN BK BX BLZ 7.62HP/06/180 SN BK BX | 0.120 0.120 |
| 1049030000 | BLZ 7.62HP/08/180 SN BK BX | 0.120 |
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Order No. Type

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| 1050 | 000000 | |
| 1057530000 | RF 180 BK | S.5 |
| 1057530000 | RF 180 BK | S.5 |
| 1057530000 | RF 180 BK AP 100 BK | S.5 |
| 1057540000 1059420000 | BLDF 5.08/04/180F SN OR BX | S.5 K.11 |
| 1059490000 | SL 7.62HP/06/90G 3.2SN BK BX | 0.10 |
| 1059500000 | SL 7.62HP/07/90G 3.2SN BK BX | 0.10 |
| 1059510000 | SL 7.62HP/08/90G 3.2SN BK BX | 0.10 |
| 1059520000 1059530000 | SL 7.62HP/09/90G 3.2SN BK BX SL 7.62HP/10/90G 3.2SN BK BX | 0.10 |
| 1059550000 | SL 7.62HP/11/90G 3.2SN BK BX | 0.10 |
| 1059570000 | SL 7.62HP/12/90G 3.2SN BK BX | 0.10 |
| 1059580000 | BLZ 7.62HP/02/180 SN BK BX | 0.12 |
| 1059590000 | BLZ 7.62HP/03/180 SN BK BX | 0.12 |
| 1059600000 | BLZ 7.62HP/04/180 SN BK BX BLZ 7.62HP/07/180 SN BK BX | 0.12 |
| 1059610000 1059620000 | BLZ 7.62HP/09/180 SN BK BX | 0.12 |
| 1059630000 | BLZ 7.62HP/10/180 SN BK BX | 0.12 |
| 1059640000 | BLZ 7.62HP/11/180 SN BK BX | 0.12 |
| 1059670000 | BLZ 7.62HP/12/180 SN BK BX | 0.12 |
| | 000000 | |
| 1060390000 | BVF 7.62HP/02/180 SN BK BX | 0.18 |
| 1060400000 1060410000 | BVF 7.62HP/03/180 SN BK BX BVF 7.62HP/04/180 SN BK BX | 0.18 |
| 1060420000 | BVF 7.62HP/05/180 SN BK BX | 0.18 |
| 1060440000 | BVF 7.62HP/02/180F SN BK BX | 0.18 |
| 1060450000 | BVF 7.62HP/03/180F SN BK BX | 0.18 |
| 1060470000 | BVF 7.62HP/04/180F SN BK BX | 0.18 |
| 1060480000 | BVF 7.62HP/05/180F SN BK BX BVF 7.62HP/06/180F SN BK BX | 0.18 |
| 1060430000 | BVF 7.62HP/02/180SF SN BK BX | 0.18 |
| 1060510000 | BVF 7.62HP/03/180SF SN BK BX | 0.18 |
| 1060520000 | BVF 7.62HP/04/180SF SN BK BX | 0.18 |
| 1060530000 | BVF 7.62HP/05/180SF SN BK BX | 0.18 |
| 1060540000 | BVF 7.62HP/06/180SF SN BK BX | 0.18 |
| 1060550000 1060570000 | BVF 7.62HP/02/180MF2 SN BK BX BVF 7.62HP/03/180MF2 SN BK BX | 0.18 |
| 1060570000 | BVF 7.62HP/03/180MF3 SN BK BX | 0.18 |
| 1060590000 | BVF 7.62HP/04/180MF3 SN BK BX | 0.18 |
| 1060600000 | BVF 7.62HP/05/180MF3 SN BK BX | 0.18 |
| 1060610000 | BVF 7.62HP/05/180MF4 SN BK BX | 0.18 |
| 1060620000 | BVF 7.62HP/06/180MF4 SN BK BX | 0.18 |
| 1060630000 1060640000 | BVF 7.62HP/02/180MSF2 SN BK BX BVF 7.62HP/03/180MSF2 SN BK BX | 0.18 |
| 1060650000 | BVF 7.62HP/03/180MSF3 SN BK BX | 0.18 |
| 1060670000 | BVF 7.62HP/04/180MSF3 SN BK BX | 0.18 |
| 1060680000 | BVF 7.62HP/05/180MSF3 SN BK BX | 0.18 |
| 1060690000 | BVF 7.62HP/05/180MSF4 SN BK BX | 0.18 |
| 1060700000 1060780000 | BVF 7.62HP/06/180MSF4 SN BK BX SL-SMT 3.50/10/90RF 1.5SN BK BX | 0.18 I.3 |
| 1060810000 | SL-SMT 3.50/03/90RF 1.5SN BK BX | 1.3 |
| 1060830000 | SVF 7.62HP/02/180G SN BK BX | 0.16 |
| 1060840000 | SVF 7.62HP/03/180G SN BK BX | 0.16 |
| 1060850000 | SVF 7.62HP/04/180G SN BK BX | 0.16 |
| 1060870000 1060880000 | SVF 7.62HP/05/180G SN BK BX SVF 7.62HP/06/180G SN BK BX | 0.16 |
| 1060900000 | SVF 7.62HP/02/180F SN BK BX | 0.16 |
| 1060910000 | SVF 7.62HP/03/180F SN BK BX | 0.16 |
| 1060920000 | SVF 7.62HP/04/180F SN BK BX | 0.16 |
| 1060930000 | SVF 7.62HP/05/180F SN BK BX | 0.16 |
| 1060950000 | SVF 7.62HP/02/180SF SN BK BX | 0.16 |
| 1060970000 1060980000 | SVF 7.62HP/03/180SF SN BK BX SVF 7.62HP/04/180SF SN BK BX | 0.16 |
| 1061000000 | SVF 7.62HP/05/180SF SN BK BX | 0.16 |
| 1061020000 | SVF 7.62HP/02/180MF2 SN BK BX | 0.16 |
| 1061030000 | SVF 7.62HP/03/180MF2 SN BK BX | 0.16 |
| 1061040000 | SVF 7.62HP/03/180MF3 SN BK BX | 0.16 |
| 1061050000 1061070000 | SVF 7.62HP/04/180MF3 SN BK BX SVF 7.62HP/05/180MF3 SN BK BX | 0.16 |
| 1061070000 | SVF 7.62HP/05/180MF4 SN BK BX | 0.16 |
| 1061100000 | SVF 7.62HP/06/180MF4 SN BK BX | 0.16 |
| 1061110000 | SVF 7.62HP/02/180MSF2 SN BK BX | 0.16 |
| 1061120000 | SVF 7.62HP/03/180MSF2 SN BK BX | 0.16 |
| 1061130000 1061140000 | SVF 7.62HP/03/180MSF3 SN BK BX | 0.16 |
| 1061150000 | SVF 7.62HP/04/180MSF3 SN BK BX SVF 7.62HP/05/180MSF3 SN BK BX | 0.16 |
| 1061170000 | SVF 7.62HP/05/180MSF4 SN BK BX | 0.16 |
| 1061180000 | SVF 7.62HP/06/180MSF4 SN BK BX | 0.16 |
| 1063140000 | SHL-SMT 5.00/03GR 1.5BX | S.3 |
| 1063150000 | SHL-SMT 5.00/04GR 1.5BX | S.3 |
| 1063170000 | SHL-SMT 5.00/03GR 1.5RL SHL-SMT 5.00/04GR 1.5RL | S.3 |
| 1063180000 1063210000 | SHL-SMT 5.00/03GL 1.5BX | S.3 S.3 |
| 1063210000 | SHL-SMT 5.00/04GL 1.5BX | S.3 |
| 1063240000 | SHL-SMT 5.00/03GL 1.5RL | \$.3 |
| 1063250000 | SHL-SMT 5.00/04GL 1.5RL | \$.3 |
| 1063260000 | BHZ 5.00/02/90LH BK/OR | \$.3 |
| | BHZ 5.00/03/90LH BK/0R | S.3 |
| 1063280000 1065080000 | BHZ 5.00/04/90LH BK/OR BLDF 5.08/05/180F SN OR BX | S.3 K.11 |
| 1065080000 | BLDF 5.08/05/180F SN OR BX | K.11 |
| 1065110000 | BLDF 5.08/07/180F SN OR BX | K.11 |
| 1065120000 | BLDF 5.08/08/180F SN OR BX | K.11 |
| 1005120000 | BLDF 5.08/02/180LR SN OR BX | K.11 |
| 1065130000 1065140000 | BLDF 5.08/03/180LR SN OR BX | K.11 |

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| 1065150000 | BLDF 5.08/04/180LR SN OR BX | K.11 |
| 1065160000 | BLDF 5.08/05/180LR SN OR BX | K.11 |
| 1065170000 | BLDF 5.08/06/180LR SN OR BX | K.11 |
| 1065180000 | BLDF 5.08/07/180LR SN OR BX | K.11 |
| 1065190000 | BLDF 5.08/08/180LR SN OR BX | K.11 |
| 1069330000 | BHZ 5.00/02/90LH BK/BK | \$.3 |
| 1069340000 | BHZ 5.00/03/90LH BK/BK | S.3 |
| 1069350000 | BHZ 5.00/04/90LH BK/BK | \$.3 |
| 1069360000 | BHZ 5.00/02/90LH BK/BL | \$.3 |
| 1069370000 | BHZ 5.00/03/90LH BK/BL | \$.3 |
| 1069380000 | BHZ 5.00/04/90LH BK/BL | \$.3 |
| 1069550000 | SHL-SMT 5.00/02GR 4.2BX | \$.3 |
| 1069560000 | SHL-SMT 5.00/03GR 4.2BX | \$.3 |
| 1069570000 | SHL-SMT 5.00/04GR 4.2BX | \$.3 |
| 1069580000 | SHL-SMT 5.00/02GR 4.2RL | \$.3 |
| 1069590000 | SHL-SMT 5.00/03GR 4.2RL | \$.3 |
| 1069610000 | SHL-SMT 5.00/04GR 4.2RL | \$.3 |
| 1069620000 | SHL-SMT 5.00/02GL 4.2BX | \$.3 |
| 1069630000 | SHL-SMT 5.00/03GL 4.2BX | \$.3 |
| 1069640000 | SHL-SMT 5.00/04GL 4.2BX | \$.3 |
| 1069650000 | SHL-SMT 5.00/02GL 4.2RL | \$.3 |
| 1069660000 | SHL-SMT 5.00/03GL 4.2RL | \$.3 |
| 1069670000 | SHL-SMT 5.00/04GL 4.2RL | \$.3 |
| 1069680000 | SHL-SMT 5.00/02GR 5.9BX | \$.3 |
| 1069690000 | SHL-SMT 5.00/03GR 5.9BX | \$.3 |
| 1069710000 | SHL-SMT 5.00/04GR 5.9BX | \$.3 |
| 1069720000 | SHL-SMT 5.00/02GR 5.9RL | \$.3 |
| 1069730000 | SHL-SMT 5.00/03GR 5.9RL | \$.3 |
| 1069740000 | SHL-SMT 5.00/04GR 5.9RL | \$.3 |
| 1069750000 | SHL-SMT 5.00/02GL 5.9BX | \$.3 |
| 1069760000 | SHL-SMT 5.00/03GL 5.9BX | \$.3 |
| 1069770000 | SHL-SMT 5.00/04GL 5.9BX | \$.3 |
| 1069780000 | SHL-SMT 5.00/02GL 5.9RL | \$.3 |
| 1069790000 | SHL-SMT 5.00/03GL 5.9RL | \$.3 |
| 1069810000 | SHL-SMT 5.00/04GL 5.9RL | S.3 |

1070000000

| 10/0620000 | CHZUWZZ S PSCSC BL ZU IS | 5.27 |
|------------|--------------------------|-------|
| 1073350000 | CH20M22 B GGY/BK 2019 | S.26 |
| 1073360000 | CH20M22 F GGY 2019 | S.26 |
| 1073370000 | CH20M22 S PPSC GGY 2019 | S.27 |
| 1073410000 | CH20M6 C TP 8089 | \$.20 |
| 1073420000 | CH20M22 C TP 8089 | S.26 |

1080000000

| 1000 | 100000 | |
|-------------|----------------------------------------|------|
| 1080320000 | BVF 7.62HP/02/180 BCF/06R SN BK BX | 0.34 |
| 1080440000 | BVF 7.62HP/04/180 BCF/06R SN BK BX | 0.34 |
| 1080490000 | BVF 7.62HP/03/180 BCF/04R SN BK BX | 0.34 |
| 1080510000 | BVF 7.62HP/04/180 BCF/04R SN BK BX | 0.34 |
| 1080550000 | BVF 7.62HP/02/180 BCF/04R SN BK BX | 0.34 |
| 1080570000 | BVF 7.62HP/03/180 BCF/06R SN BK BX | 0.34 |
| 1080630000 | CH20M22 S PSCSC BK 2010 | S.27 |
| 1080720000 | BVF 7.62HP/05/180MSF4 BCF/06R SN BK BX | 0.39 |
| 1080720000 | BVF 7.62HP/05/180MSF4 BCF/04R SN BK BX | 0.39 |
| 10810340000 | BVF 7.62HP/02/180MF2 BCF/06R SN BK BX | 0.36 |
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| 1081150000 | BVF 7.62HP/04/180MF4 BCF/04R SN BK BX | 0.37 |
| 1081610000 | BVF 7.62HP/02/180MF2 BCF/04R SN BK BX | 0.36 |
| 1081630000 | BVF 7.62HP/03/180MF3 BCF/04R SN BK BX | 0.37 |
| 1081660000 | BVF 7.62HP/04/180MSF4 BCF/04R SN BK BX | 0.39 |
| 1081720000 | BVF 7.62HP/03/180MF3 BCF/06R SN BK BX | 0.37 |
| 1081730000 | BVF 7.62HP/03/180MSF3 BCF/06R SN BK BX | 0.39 |
| 1081750000 | BVF 7.62HP/04/180MSF4 BCF/06R SN BK BX | 0.39 |
| 1081760000 | BVF 7.62HP/05/180MF4 BCF/06R SN BK BX | 0.37 |
| 1081930000 | BVF 7.62HP/02/180MSF2 BCF/04R SN BK BX | 0.38 |
| 1082020000 | BVF 7.62HP/04/180MF4 BCF/06R SN BK BX | 0.37 |
| 1082080000 | BVF 7.62HP/02/180MSF2 BCF/06R SN BK BX | 0.38 |
| 1082110000 | BVF 7.62HP/03/180MSF3 BCF/04R SN BK BX | 0.39 |
| 1082140000 | BVF 7.62HP/05/180MF4 BCF/04R SN BK BX | 0.37 |
| 1082490000 | ESG 6.6/11 BHZ 5.00/02 | S.37 |
| 1082520000 | ESG 6.6/15 BHZ 5.00/03 | S.37 |
| 1082540000 | ESG 6.6/20 BHZ 5.00/04 | S.37 |
| 1087250000 | BLZP 5.08HC/02/90LR SN OR BX | K.99 |
| 1087260000 | BLZP 5.08HC/03/90LR SN OR BX | K.99 |
| 1087270000 | BLZP 5.08HC/04/90LR SN OR BX | K.99 |
| 1087280000 | BLZP 5.08HC/05/90LR SN OR BX | K.99 |
| 1087290000 | BLZP 5.08HC/06/90LR SN OR BX | K.99 |
| 1087300000 | BLZP 5.08HC/07/90LR SN OR BX | K.99 |
| 1087310000 | BLZP 5.08HC/08/90LR SN OR BX | K.99 |
| 1087320000 | BLZP 5.08HC/09/90LR SN OR BX | K.99 |
| 1087330000 | BLZP 5.08HC/10/90LR SN OR BX | K.99 |
| 1087340000 | BLZP 5.08HC/11/90LR SN OR BX | K.99 |
| 1087350000 | BLZP 5.08HC/12/90LR SN OR BX | K.99 |
| 1089260000 | SV 7.62HP/02/270MF2 SC/04R SN BK BX | 0.30 |
| 1089280000 | SV 7.62HP/02/270MF2 SC/06R SN BK BX | 0.30 |
| 1089340000 | SV 7.62HP/02/270MSF2 SC/04R SN BK BX | 0.32 |
| 1089370000 | SV 7.62HP/02/90MF2 SC/04R SN BK BX | 0.24 |
| 1089380000 | SV 7.62HP/02/270MSF2 SC/06R SN BK BX | 0.32 |
| 1089410000 | SV 7.62HP/02/90MF2 SC/06R SN BK BX | 0.24 |
| 1089440000 | SV 7.62HP/03/270MF3 SC/04R SN BK BX | 0.31 |
| 1089490000 | SV 7.62HP/03/270MF3 SC/06R SN BK BX | 0.31 |
| 1089510000 | SV 7.62HP/02/90MSF2 SC/04R SN BK BX | 0.31 |
| 1089570000 | SV 7.62HP/02/90MSF2 SC/06R SN BK BX | 0.26 |
| 1089610000 | SV 7.62HP/03/270MSF3 SC/04R SN BK BX | 0.20 |
| 1089660000 | SV 7.62HP/03/2/0WISF3 SC/04R SN BK BX | 0.33 |
| 1089670000 | | |
| | SV 7.62HP/03/270MSF3 SC/06R SN BK BX | 0.33 |
| 1089730000 | SV 7.62HP/03/90MF3 SC/06R SN BK BX | 0.25 |
| 1089820000 | SV 7.62HP/04/270MF4 SC/04R SN BK BX | 0.31 |
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| 1089840000 | SV 7.62HP/02/90G SC/04R SN BK BX | 0.22 |
| 1089890000 | SV 7.62HP/03/90MSF3 SC/04R SN BK BX | 0.27 |
| 1089910000 | SV 7.62HP/04/270MF4 SC/06R SN BK BX | 0.31 |
| 1089920000 | SV 7.62HP/02/90G SC/06R SN BK BX | 0.22 |
| 1089970000 | SV 7.62HP/03/90MSF3 SC/06R SN BK BX | 0.27 |
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|------------|------------------------------------------------------------------|-------|
| 1090040000 | SV 7.62HP/03/90G SC/04R SN BK BX | 0.22 |
| 1090060000 | SV 7.62HP/04/270MSF4 SC/04R SN BK BX | 0.33 |
| 1090120000 | SV 7.62HP/03/90G SC/06R SN BK BX | 0.22 |
| 1090130000 | SV 7.62HP/04/90MF4 SC/04R SN BK BX | 0.25 |
| 1090140000 | SV 7.62HP/04/270MSF4 SC/06R SN BK BX | 0.33 |
| 1090210000 | SV 7.62HP/04/90MF4 SC/06R SN BK BX | 0.25 |
| 1090280000 | SV 7.62HP/04/90G SC/04R SN BK BX | 0.22 |
| 1090300000 | SV 7.62HP/05/270MF4 SC/04R SN BK BX | 0.31 |
| 1090360000 | SV 7.62HP/04/90G SC/06R SN BK BX | 0.22 |
| 1090370000 | SV 7.62HP/04/90MSF4 SC/04R SN BK BX | 0.27 |
| 1090380000 | SV 7.62HP/05/270MF4 SC/06R SN BK BX | 0.31 |
| 1090450000 | SV 7.62HP/04/90MSF4 SC/06R SN BK BX | 0.27 |
| 1090520000 | SV 7.62HP/05/90G SC/04R SN BK BX | 0.22 |
| 1090540000 | SV 7.62HP/05/270MSF4 SC/04R SN BK BX | 0.33 |
| 1090590000 | SV 7.62HP/05/90G SC/06R SN BK BX | 0.22 |
| 1090600000 | SV 7.62HP/05/90MF4 SC/04R SN BK BX | 0.25 |
| 1090610000 | SV 7.62HP/05/270MSF4 SC/06R SN BK BX | 0.33 |
| 1090670000 | SV 7.62HP/05/90MF4 SC/06R SN BK BX | 0.25 |
| 1090770000 | SV 7.62HP/02/270G SC/04R SN BK BX | 0.28 |
| 1090830000 | SV 7.62HP/05/90MSF4 SC/04R SN BK BX | 0.27 |
| 1090850000 | SV 7.62HP/02/270G SC/06R SN BK BX | 0.28 |
| 1090900000 | SV 7.62HP/05/90MSF4 SC/06R SN BK BX | 0.27 |
| 1090950000 | SV 7.62HP/03/270G SC/04R SN BK BX | 0.28 |
| 1091010000 | SV 7.62HP/03/270G SC/06R SN BK BX | 0.28 |
| 1091120000 | SV 7.62HP/04/270G SC/04R SN BK BX | 0.28 |
| 1091160000 | SV 7.62HP/04/270G SC/06R SN BK BX | 0.28 |
| 1091240000 | SV 7.62HP/05/270G SC/04R SN BK BX | 0.28 |
| 1091260000 | SV 7.62HP/05/270G SC/06R SN BK BX | 0.28 |
| 1093430000 | BLZ 7.62HP/02/180LR SN BK BX | 0.121 |
| 1093440000 | BLZ 7.62HP/03/180LR SN BK BX | 0.121 |
| 1093450000 | BLZ 7.62HP/04/180LR SN BK BX | 0.121 |
| 1093460000 | BLZ 7.62HP/05/180LR SN BK BX | 0.121 |
| 1095640000 | BLL 7.62HP/02/90LF 3.2SN BK BX | 0.125 |
| 1095650000 | BLL 7.62HP/03/90LF 3.2SN BK BX | 0.125 |
| 1095660000 | BLL 7.62HP/04/90LF 3.2SN BK BX | 0.125 |
| 1095670000 | BLL 7.62HP/05/90LF 3.2SN BK BX SL 7.62HP/02/90LF 3.2 SN BK BX | 0.125 |
| 1095920000 | | 0.109 |
| 1095930000 | SL 7.62HP/03/90LF 3.2 SN BK BX SL 7.62HP/04/90LF 3.2 SN BK BX | 0.109 |
| 1095950000 | SL 7.62HP/05/90LF 3.2 SN BK BX | 0.108 |
| 1095960000 | SL 7.62HP/06/90LF 3.2 SN BK BX | 0.108 |
| 1095970000 | SL 7.62HP/07/90LF 3.2 SN BK BX | 0.108 |
| 1095980000 | SL 7.62HP/08/90LF 3.2 SN BK BX | 0.100 |
| 1095990000 | SL 7.62HP/09/90LF 3.2 SN BK BX | 0.100 |
| 1095990000 | SL 7.62HP/10/90LF 3.2 SN BK BX | 0.108 |
| 1096010000 | SL 7.62HP/11/90LF 3.2 SN BK BX | 0.108 |
| 1096020000 | SL 7.62HP/12/90LF 3.2 SN BK BX | 0.100 |
| 1000020000 | 0E 7.02111 / 12/30E1 3.2 3N BN BA | 0.108 |
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| 1104170000 | CH20M12 B BK/BK 2010 | S.22 |
|------------|-------------------------|------|
| 1104180000 | CH20M12 B BK/OR 2010 | S.22 |
| 1104190000 | CH20M12 F BK 2010 | S.22 |
| 1104200000 | CH20M12 S PPSC BK 2010 | S.23 |
| 1104210000 | CH20M12 S PSCSC BK 2010 | S.23 |
| 1104220000 | CH20M12 S PPSC BL 2013 | S.23 |
| 1104230000 | CH20M12 S PSCSC BL 2013 | S.23 |
| 1104240000 | CH20M12 C BK 1819 | S.22 |
| 1104250000 | CH20M12 C TP 8089 | S.22 |
| 1104400000 | CH20M45 B BK/BK 2010 | S.28 |
| 1104410000 | CH20M45 B BK/OR 2010 | S.28 |
| 1104420000 | CH20M45 F BK 2010 | S.28 |
| 1104430000 | CH20M45 C BK 1819 | S.28 |
| 1104440000 | CH20M45 C TP 8089 | S.28 |
| 1104450000 | CH20M22 B BK/OR 2010 | S.26 |
| 1105580000 | SAMPLE LP CH20M PPX | S.13 |
| 1105600000 | SK DEMO CH20M22 | S.13 |
| 1105600000 | SK DEMO CH20M22 | S.26 |

| 1110720000 | SL-SMT 5.00HC/08/180G 1.5SN BK RL | K.27 |
|------------|-----------------------------------|------|
| 1111630000 | SK DEMO CH20M12 | S.13 |
| 1111630000 | SK DEMO CH20M12 | S.22 |
| 1111640000 | SK DEMO CH20M45 | S.13 |
| 1111640000 | SK DEMO CH20M45 | S.28 |
| 1111720000 | CH20M45 S 2PSC/2PSC BK 2010 | S.29 |
| 1118470000 | BVF 7.62HP SH180 4-6 KIT | 0.36 |
| 1118470000 | BVF 7.62HP SH180 4-6 KIT | 0.38 |
| 1118470000 | BVF 7.62HP SH180 4-6 KIT | 0.50 |
| 1118470000 | BVF 7.62HP SH180 4-6 KIT | 0.52 |
| 1118470000 | BVF 7.62HP SH180 4-6 KIT | R.3 |
| 1118480000 | BVF 7.62HP SH150 4-6 KIT | 0.36 |
| 1118480000 | BVF 7.62HP SH150 4-6 KIT | 0.38 |
| 1118480000 | BVF 7.62HP SH150 4-6 KIT | 0.50 |
| 1118480000 | BVF 7.62HP SH150 4-6 KIT | 0.52 |
| 1118480000 | BVF 7.62HP SH150 4-6 KIT | R.3 |
| 1118490000 | BVF 7.62HP SH210 4-6 KIT | 0.36 |
| 1118490000 | BVF 7.62HP SH210 4-6 KIT | 0.38 |
| 1118490000 | BVF 7.62HP SH210 4-6 KIT | 0.50 |
| 1118490000 | BVF 7.62HP SH210 4-6 KIT | 0.52 |
| | | |

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| 1118490000 | BVF 7.62HP SH210 4-6 KIT | R.3 |

| 1120 | 100000 | |
|-----------|--------------------------------|------|
| 122070000 | BLL 7.62HP/02/180 3.2SN BK BX | 0.12 |
| 122080000 | BLL 7.62HP/03/180 3.2SN BK BX | 0.12 |
| 122090000 | BLL 7.62HP/04/180 3.2SN BK BX | 0.12 |
| 122100000 | BLL 7.62HP/05/180 3.2SN BK BX | 0.12 |
| 122110000 | BLL 7.62HP/02/180F 3.2SN BK BX | 0.12 |
| 122120000 | BLL 7.62HP/03/180F 3.2SN BK BX | 0.12 |
| 122130000 | BLL 7.62HP/04/180F 3.2SN BK BX | 0.12 |
| 122140000 | BLL 7.62HP/05/180F 3.2SN BK BX | 0.12 |
| 122550000 | SL 7.62HP/02/180G 3.2SN BK BX | 0.11 |
| 122570000 | SL 7.62HP/03/180G 3.2SN BK BX | 0.11 |
| 122580000 | SL 7.62HP/04/180G 3.2SN BK BX | 0.11 |
| 122590000 | SL 7.62HP/07/180G 3.2SN BK BX | 0.11 |
| 122600000 | SL 7.62HP/09/180G 3.2SN BK BX | 0.11 |
| 122610000 | SL 7.62HP/10/180G 3.2SN BK BX | 0.11 |
| 122640000 | SL 7.62HP/11/180G 3.2SN BK BX | 0.11 |
| 122650000 | SL 7.62HP/12/180G 3.2SN BK BX | 0.11 |
| 124250000 | SL 7.62HP/06/90F 3.2 SN BK BX | 0.10 |
| 124270000 | SL 7.62HP/07/90F 3.2 SN BK BX | 0.10 |
| 124280000 | SL 7.62HP/08/90F 3.2 SN BK BX | 0.10 |
| 124290000 | SL 7.62HP/09/90F 3.2 SN BK BX | 0.10 |
| 124300000 | SL 7.62HP/10/90F 3.2 SN BK BX | 0.10 |
| 124310000 | SL 7.62HP/11/90F 3.2 SN BK BX | 0.10 |
| 124320000 | SL 7.62HP/12/90F 3.2 SN BK BX | 0.10 |
| 124750000 | SVF 7.62HP/02/180FI SN BK BX | 0.16 |
| 124760000 | SVF 7.62HP/03/180FI SN BK BX | 0.16 |
| 124770000 | SVF 7.62HP/04/180FI SN BK BX | 0.16 |
| 124780000 | SVF 7.62HP/05/180FI SN BK BX | 0.16 |
| 124810000 | SVF 7.62HP/02/180SFI SN BK BX | 0.16 |
| 124820000 | SVF 7.62HP/03/180SFI SN BK BX | 0.16 |
| 124830000 | SVF 7.62HP/04/180SFI SN BK BX | 0.16 |
| 124840000 | SVF 7.62HP/05/180SFI SN BK BX | 0.16 |

| 1134080000 | BLL 7.62HP/UZ/18ULF 3.25N BK BX | U.12 |
|------------|---------------------------------|------|
| 1134090000 | BLL 7.62HP/03/180LF 3.2SN BK BX | 0.12 |
| 1134110000 | BLL 7.62HP/04/180LF 3.2SN BK BX | 0.12 |
| 1134120000 | BLL 7.62HP/05/180LF 3.2SN BK BX | 0.12 |
| 1137730000 | CH20M45 S 3P/3P BK 2010 | S.2 |
| 1137740000 | CH20M45 S 2PSC/3SC BK 2010 | S.2 |
| 1137750000 | CH20M45 S 3SC/2PSC BK 2010 | S.2 |
| 1137870000 | LHZ-SMT L 1.5SN BK BX | S.3 |
| 1137880000 | LHZ-SMT R 1.5SN BK BX | S.3: |
| 1120700000 | CHOUNTS & DDD DK 5010 | 6.3 |

| 1140870000 | SL 7.62HP/02/180F 3.2 SN BK BX | 0.11 |
|------------|---------------------------------|------|
| 1140880000 | SL 7.62HP/03/180F 3.2 SN BK BX | 0.11 |
| 1140890000 | SL 7.62HP/04/180F 3.2 SN BK BX | 0.11 |
| 1140900000 | SL 7.62HP/05/180F 3.2 SN BK BX | 0.11 |
| 1140910000 | SL 7.62HP/06/180F 3.2 SN BK BX | 0.11 |
| 1140920000 | SL 7.62HP/07/180F 3.2 SN BK BX | 0.11 |
| 1140930000 | SL 7.62HP/08/180F 3.2 SN BK BX | 0.11 |
| 1140940000 | SL 7.62HP/09/180F 3.2 SN BK BX | 0.11 |
| 1140950000 | SL 7.62HP/10/180F 3.2 SN BK BX | 0.11 |
| 1140960000 | SL 7.62HP/11/180F 3.2 SN BK BX | 0.11 |
| 1140970000 | SL 7.62HP/12/180F 3.2 SN BK BX | 0.11 |
| 1141090000 | SL 7.62HP/02/180LF 3.2 SN BK BX | 0.11 |
| 1141100000 | SL 7.62HP/03/180LF 3.2 SN BK BX | 0.11 |
| 1141110000 | SL 7.62HP/04/180LF 3.2 SN BK BX | 0.11 |
| 1141120000 | SL 7.62HP/05/180LF 3.2 SN BK BX | 0.11 |
| 1141130000 | SL 7.62HP/06/180LF 3.2 SN BK BX | 0.11 |
| 1141140000 | SL 7.62HP/07/180LF 3.2 SN BK BX | 0.11 |
| 1141150000 | SL 7.62HP/08/180LF 3.2 SN BK BX | 0.11 |
| 1141160000 | SL 7.62HP/09/180LF 3.2 SN BK BX | 0.11 |
| 1141170000 | SL 7.62HP/10/180LF 3.2 SN BK BX | 0.11 |
| 1141180000 | SL 7.62HP/11/180LF 3.2 SN BK BX | 0.11 |
| 1141190000 | SL 7.62HP/12/180LF 3.2 SN BK BX | 0.11 |
| 1146320000 | SL 5.08HC/02/180 3.2SN OR BX | K.7: |
| 1146340000 | SL 5.08HC/03/180 3.2SN OR BX | K.7: |
| 1146380000 | SL 5.08HC/04/180 3.2SN OR BX | K.7: |
| 1146410000 | SL 5.08HC/05/180 3.2SN OR BX | K.7: |
| 1146450000 | SL 5.08HC/06/180 3.2SN OR BX | K.7: |
| 1146470000 | SL 5.08HC/07/180 3.2SN OR BX | K.7: |
| 1146490000 | SL 5.08HC/08/180 3.2SN OR BX | K.7: |
| 1146510000 | SL 5.08HC/09/180 3.2SN OR BX | K.7: |
| 1146530000 | SL 5.08HC/10/180 3.2SN OR BX | K.7: |
| 1146550000 | SL 5.08HC/11/180 3.2SN OR BX | K.7: |
| 1146570000 | SL 5.08HC/12/180 3.2SN OR BX | K.7: |
| 1146720000 | SL 5.08HC/02/90 3.2SN OR BX | K.6 |
| 1146730000 | SL 5.08HC/02/180G 3.2SN OR BX | K.7: |
| 1146740000 | SL 5.08HC/03/90 3.2SN OR BX | K.6 |
| 1146750000 | SL 5.08HC/03/180G 3.2SN OR BX | K.7: |
| 1146770000 | SL 5.08HC/04/90 3.2SN OR BX | K.6 |
| 1146780000 | SL 5.08HC/04/180G 3.2SN OR BX | K.7: |
| 1146790000 | SL 5.08HC/05/90 3.2SN OR BX | K.6 |
| 1146800000 | SL 5.08HC/05/180G 3.2SN OR BX | K.7: |
| 1146810000 | SL 5.08HC/06/90 3.2SN OR BX | K.6 |
| 1146820000 | SL 5.08HC/06/180G 3.2SN OR BX | K.7: |
| 1146830000 | SL 5.08HC/07/90 3.2SN OR BX | K.6 |
| 1146840000 | SL 5.08HC/07/180G 3.2SN OR BX | K.7: |
| 1146850000 | SL 5.08HC/08/90 3.2SN OR BX | K.6 |
| 1146870000 | SL 5.08HC/08/180G 3.2SN OR BX | K.7: |
| 1146880000 | SL 5.08HC/09/90 3.2SN OR BX | K.6 |
| | | |

| 1146890000 | SL 5.08HC/09/180G 3.2SN OR BX | K.73 |
|--------------------------|------------------------------------------------------------------|--------------|
| 1146900000 | SL 5.08HC/10/90 3.2SN OR BX | K.68 |
| 1146910000 1146920000 | SL 5.08HC/10/180G 3.2SN OR BX SL 5.08HC/11/90 3.2SN OR BX | K.73 K.68 |
| 1146930000 | SL 5.08HC/11/180G 3.2SN OR BX | K.73 |
| 1146940000 | SL 5.08HC/12/90 3.2SN OR BX | K.68 |
| 1146950000 | SL 5.08HC/12/180G 3.2SN OR BX | K.73 |
| 1147130000 | SL 5.08HC/02/180F 3.2SN OR BX | K.74 |
| 1147170000 1147200000 | SL 5.08HC/03/180F 3.2SN OR BX SL 5.08HC/04/180F 3.2SN OR BX | K.74 K.74 |
| 1147230000 | SL 5.08HC/05/180F 3.2SN OR BX | K.74 |
| 1147260000 | SL 5.08HC/06/180F 3.2SN OR BX | K.74 |
| 1147280000 | SL 5.08HC/02/90G 3.2SN OR BX | K.69 |
| 1147290000 | SL 5.08HC/07/180F 3.2SN OR BX | K.74 |
| 1147310000 | SL 5.08HC/02/180B 3.2SN OR BX SL 5.08HC/03/90G 3.2SN OR BX | K.73 K.69 |
| 1147320000 | SL 5.08HC/08/180F 3.2SN OR BX | K.74 |
| 1147330000 | SL 5.08HC/03/180B 3.2SN OR BX | K.73 |
| 1147340000 | SL 5.08HC/04/90G 3.2SN OR BX | K.69 |
| 1147350000 | SL 5.08HC/09/180F 3.2SN OR BX | K.74 |
| 1147360000 | SL 5.08HC/04/180B 3.2SN OR BX | K.73 |
| 1147370000 1147380000 | SL 5.08HC/05/90G 3.2SN OR BX SL 5.08HC/10/180F 3.2SN OR BX | K.69 K.74 |
| 1147390000 | SL 5.08HC/05/180B 3.2SN OR BX | K.73 |
| 1147400000 | SL 5.08HC/06/90G 3.2SN OR BX | K.69 |
| 1147410000 | SL 5.08HC/11/180F 3.2SN OR BX | K.74 |
| 1147420000 | SL 5.08HC/07/90G 3.2SN OR BX | K.69 |
| 1147430000 | SL 5.08HC/06/180B 3.2SN OR BX | K.73 |
| 1147440000 1147450000 | SL 5.08HC/12/180F 3.2SN OR BX SL 5.08HC/08/90G 3.2SN OR BX | K.74 K.69 |
| 1147470000 | SL 5.08HC/07/180B 3.2SN OR BX | K.73 |
| 1147490000 | SL 5.08HC/09/90G 3.2SN OR BX | K.69 |
| 1147510000 | SL 5.08HC/08/180B 3.2SN OR BX | K.73 |
| 1147530000 | SL 5.08HC/10/90G 3.2SN OR BX | K.69 |
| 1147540000 | SL 5.08HC/09/180B 3.2SN OR BX | K.73 |
| 1147570000 1147580000 | SL 5.08HC/11/90G 3.2SN OR BX SL 5.08HC/10/180B 3.2SN OR BX | K.69 K.73 |
| 1147600000 | SL 5.08HC/12/90G 3.2SN OR BX | K.73 K.69 |
| 1147610000 | SL 5.08HC/11/180B 3.2SN OR BX | K.73 |
| 1147640000 | SL 5.08HC/12/180B 3.2SN OR BX | K.73 |
| 1147890000 | SL 5.08HC/02/180LF 3.2SN OR BX | K.75 |
| 1147920000 | SL 5.08HC/03/180LF 3.2SN OR BX | K.75 K.75 |
| 1147950000 | SL 5.08HC/04/180LF 3.2SN OR BX SL 5.08HC/05/180LF 3.2SN OR BX | K.75 |
| 1148020000 | SL 5.08HC/06/180LF 3.2SN OR BX | K.75 |
| 1148030000 | SL 5.08HC/02/90B 3.2SN OR BX | K.69 |
| 1148050000 | SL 5.08HC/07/180LF 3.2SN OR BX | K.75 |
| 1148070000 | SL 5.08HC/03/90B 3.2SN OR BX | K.69 |
| 1148090000 1148100000 | SL 5.08HC/08/180LF 3.2SN OR BX SL 5.08HC/04/90B 3.2SN OR BX | K.75 K.69 |
| 1148120000 | SL 5.08HC/09/180LF 3.2SN OR BX | K.75 |
| 1148130000 | SL 5.08HC/05/90B 3.2SN OR BX | K.69 |
| 1148150000 | SL 5.08HC/10/180LF 3.2SN OR BX | K.75 |
| 1148170000 | SL 5.08HC/06/90B 3.2SN OR BX | K.69 |
| 1148190000 | SL 5.08HC/11/180LF 3.2SN OR BX | K.75 |
| 1148200000 1148220000 | SL 5.08HC/07/90B 3.2SN OR BX SL 5.08HC/12/180LF 3.2SN OR BX | K.69 K.75 |
| 1148610000 | SL 5.08HC/02/90F 3.2SN OR BX | K.73 |
| 1148640000 | SL 5.08HC/03/90F 3.2SN OR BX | K.70 |
| 1148680000 | SL 5.08HC/04/90F 3.2SN OR BX | K.70 |
| 1148710000 | SL 5.08HC/05/90F 3.2SN OR BX | K.70 |
| 1148740000 | SL 5.08HC/06/90F 3.2SN OR BX | K.70 |
| 1148780000 1148810000 | SL 5.08HC/07/90F 3.2SN OR BX SL 5.08HC/08/90F 3.2SN OR BX | K.70 K.70 |
| 1148840000 | SL 5.08HC/09/90F 3.2SN OR BX | K.70 |
| 1148880000 | SL 5.08HC/10/90F 3.2SN OR BX | K.70 |
| 1148910000 | SL 5.08HC/11/90F 3.2SN OR BX | K.70 |
| 1148940000 | SL 5.08HC/12/90F 3.2SN OR BX | K.70 |
| 1149380000 | SL 5.08HC/02/90LF 3.2SN OR BX | K.71 |
| 1149410000 1149440000 | SL 5.08HC/03/90LF 3.2SN OR BX SL 5.08HC/04/90LF 3.2SN OR BX | K.71 |
| 1149440000 | SL 5.08HC/05/90LF 3.2SN OR BX | K.71 |
| 1149510000 | SL 5.08HC/06/90LF 3.2SN OR BX | K.71 |
| 1149540000 | SL 5.08HC/07/90LF 3.2SN OR BX | K.71 |
| 1149580000 | SL 5.08HC/08/90LF 3.2SN OR BX | K.71 |
| 1149610000 | SL 5.08HC/09/90LF 3.2SN OR BX | K.71 |
| 1149640000 | SL 5.08HC/10/90LF 3.2SN OR BX SL 5.08HC/11/90LF 3.2SN OR BX | K.71 |
| 1149680000 1149710000 | SL 5.08HC/11/90LF 3.2SN OR BX | K.71 |
| | | n./1 |
| | | |

| 1150 | UUUUUU | |
|------------|--------------------------------------|------|
| 1154830000 | SL 5.08HC/08/90B 3.2SN OR BX | K.6 |
| 1154840000 | SL 5.08HC/09/90B 3.2SN OR BX | K.6 |
| 1154850000 | SL 5.08HC/10/90B 3.2SN OR BX | K.6 |
| 1154870000 | SL 5.08HC/11/90B 3.2SN OR BX | K.6 |
| 1154880000 | SL 5.08HC/12/90B 3.2SN OR BX | K.6 |
| 1155840000 | SR-SMD 4.50/05/90 AU BK BX | \$.3 |
| 1155850000 | SR-SMD 4.50/05/90 AU BK RL | \$.3 |
| 1155870000 | SR-SMD 4.50/05/90LFM 3.2AU BK BX | \$.3 |
| 1155880000 | SR-SMD 4.50/05/90LFM 3.2AU BK RL | \$.3 |
| 1155890000 | SR-SMD 4.50/05/90LF 1.5AU BK BX | \$.3 |
| 1155900000 | SR-SMD 4.50/05/90LF 1.5AU BK RL | \$.3 |
| 1155940000 | PF RS 122 OR 2000MM | \$.5 |
| 1156120000 | SV 7.62HP/02/270MF2 SC/08R SN BK BX | 0.3 |
| 1156130000 | SV 7.62HP/02/270MSF2 SC/08R SN BK BX | 0.3 |
| 1156140000 | SV 7.62HP/03/270MF2 SC/04R SN BK BX | 0.3 |
| 1156150000 | SV 7.62HP/03/270MF2 SC/06R SN BK BX | 0.3 |
| 1156170000 | SV 7.62HP/03/270MF2 SC/08R SN BK BX | 0.3 |

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| 1156180000 | SV 7.62HP/03/270MF3 SC/08R SN BK BX | 0.31 |
| 1156190000 | SV 7.62HP/03/270MSF2 SC/04R SN BK BX | 0.32 |
| 1156200000 1156210000 | SV 7.62HP/03/270MSF2 SC/06R SN BK BX SV 7.62HP/03/270MSF2 SC/08R SN BK BX | 0.32 |
| 1156220000 | SV 7.62HP/03/270MSF3 SC/08R SN BK BX | 0.33 |
| 1156230000 | SV 7.62HP/03/90MF2 SC/04R SN BK BX | 0.24 |
| 1156240000 1156250000 | SV 7.62HP/03/90MF2 SC/06R SN BK BX SV 7.62HP/03/90MSF2 SC/04R SN BK BX | 0.24 |
| 1156270000 | SV 7.62HP/03/90MSF2 SC/06R SN BK BX | 0.26 |
| 1156280000 | SV 7.62HP/04/270MF4 SC/08R SN BK BX | 0.31 |
| 1156290000 1156300000 | SV 7.62HP/04/270MSF4 SC/08R SN BK BX SV 7.62HP/05/270MF3 SC/04R SN BK BX | 0.33 |
| 1156310000 | SV 7.62HP/05/270MF3 SC/06R SN BK BX | 0.31 |
| 1156320000 1156340000 | SV 7.62HP/05/270MF3 SC/08R SN BK BX SV 7.62HP/05/270MF4 SC/08R SN BK BX | 0.31 |
| 1156370000 | SV 7.62HP/05/270MSF3 SC/04R SN BK BX | 0.33 |
| 1156390000 | SV 7.62HP/05/270MSF3 SC/06R SN BK BX | 0.33 |
| 1156410000 1156430000 | SV 7.62HP/05/270MSF3 SC/08R SN BK BX SV 7.62HP/05/270MSF4 SC/08R SN BK BX | 0.33 |
| 1156440000 | BVF 7.62HP/02/180 BCF/08R SN BK BX | 0.34 |
| 1156450000 | BVF 7.62HP/03/180 BCF/08R SN BK BX | 0.34 |
| 1156470000 1156480000 | BVF 7.62HP/04/180 BCF/08R SN BK BX BVF 7.62HP/05/180 BCF/08R SN BK BX | 0.34 |
| 1156490000 | SV 7.62IT/02/270MF2 3.5SN BK BX S0 | 0.72 |
| 1156500000 | SV 7.62IT/03/270MF2 3.5SN BK BX | 0.72 |
| 1156510000 1156520000 | SV 7.62IT/03/270MF3 3.5SN BK BX SV 7.62IT/04/270MF2 3.5SN BK BX | 0.73 |
| 1156530000 | SV 7.62IT/04/270MF4 3.5SN BK BX | 0.73 |
| 1156540000 | SV 7.62IT/02/90MF2 3.5SN BK BX S0 | 0.70 |
| 1156550000 1156570000 | SV 7.62IT/03/90MF2 3.5SN BK BX SV 7.62IT/03/90MF3 3.5SN BK BX | 0.70 |
| 1156580000 | SV 7.62IT/04/90MF2 3.5SN BK BX | 0.70 |
| 1156590000 1156600000 | SV 7.62IT/04/90MF4 3.5SN BK BX BUZ 10.16IT/02/180MF2 AG BK BX | 0.71 |
| 1156610000 | BUZ 10.16IT/03/180MF2 AG BK BX | 0.92 |
| 1156620000 | BUZ 10.16IT/03/180MF3 AG BK BX | 0.93 |
| 1156630000 1156640000 | BUZ 10.16IT/04/180MF2 AG BK BX BUZ 10.16IT/04/180MF4 AG BK BX | 0.92 |
| 1156650000 | SU 10.16IT/02/90MF2 3.5AG BK BX S0 | 0.76 |
| 1156670000 | SU 10.16IT/03/90MF2 3.5AG BK BX | 0.76 |
| 1156680000 1156690000 | SU 10.16IT/03/90MF3 3.5AG BK BX SU 10.16IT/04/90MF2 3.5AG BK BX | 0.77 |
| 1156700000 | SU 10.16IT/04/90MF4 3.5AG BK BX | 0.77 |
| 1156710000 1156720000 | BVZ 7.62IT/02/180MF2 SN BK BX BVZ 7.62IT/03/180MF2 SN BK BX | 0.74 |
| 1156730000 | BVZ 7.62IT/03/180MF3 SN BK BX | 0.75 |
| 1156740000 | BVZ 7.62IT/04/180MF2 SN BK BX | 0.74 |
| 1156750000 1156820000 | BVZ 7.62IT/04/180MF4 SN BK BX SV 7.62HP/02/90MF2 SC/08R SN BK BX | 0.75 |
| 1156830000 | SV 7.62HP/02/90MSF2 SC/08R SN BK BX | 0.26 |
| 1156840000 1156850000 | SV 7.62HP/03/90MF2 SC/08R SN BK BX SV 7.62HP/03/90MF3 SC/08R SN BK BX | 0.24 |
| 1156870000 | SV 7.62HP/03/90MSF2 SC/08R SN BK BX | 0.26 |
| 1156880000 | SV 7.62HP/03/90MSF3 SC/08R SN BK BX | 0.27 |
| 1156890000 1156900000 | SV 7.62HP/04/90MF4 SC/08R SN BK BX SV 7.62HP/04/90MSF4 SC/08R SN BK BX | 0.25 |
| 1156910000 | SV 7.62HP/05/90MF3 SC/04R SN BK BX | 0.25 |
| 1156920000 1156930000 | SV 7.62HP/02/270G SC/08R SN BK BX SV 7.62HP/05/90MF3 SC/06R SN BK BX | 0.28 |
| 1156940000 | SV 7.62HP/03/270G SC/08R SN BK BX | 0.28 |
| 1156950000 | SV 7.62HP/05/90MF3 SC/08R SN BK BX | 0.25 |
| 1156970000 1156980000 | SV 7.62HP/04/270G SC/08R SN BK BX SV 7.62HP/05/90MF4 SC/08R SN BK BX | 0.28 |
| 1156990000 | SV 7.62HP/05/270G SC/08R SN BK BX | 0.28 |
| 1157000000 1157010000 | SV 7.62HP/05/90MSF3 SC/04R SN BK BX SV 7.62HP/05/90MSF3 SC/06R SN BK BX | 0.27 |
| 1157020000 | SV 7.62HP/05/90MSF3 SC/08R SN BK BX | 0.27 |
| 1157030000 | SV 7.62HP/05/90MSF4 SC/08R SN BK BX | 0.27 |
| 1157040000 1157050000 | SV 7.62HP/02/90G SC/08R SN BK BX SV 7.62HP/03/90G SC/08R SN BK BX | 0.22 |
| 1157080000 | SV 7.62HP/05/90G SC/08R SN BK BX | 0.22 |
| 1157090000 1157100000 | BVF 7.62HP/02/180MF2 BCF/08R SN BK BX BVF 7.62HP/02/180MSF2 BCF/08R SN BK BX | 0.38 |
| 1157110000 | BVF 7.62HP/03/180MF2 BCF/04R SN BK BX | 0.36 |
| 1157120000 | BVF 7.62HP/03/180MF2 BCF/06R SN BK BX | 0.36 |
| 1157130000 1157170000 | BVF 7.62HP/03/180MF2 BCF/08R SN BK BX BVF 7.62HP/03/180MF3 BCF/08R SN BK BX | 0.36 |
| 1157190000 | BVF 7.62HP/03/180MSF3 BCF/08R SN BK BX | 0.39 |
| 1157200000 | BVF 7.62HP/04/180MF4 BCF/08R SN BK BX | 0.37 |
| 1157210000 1157220000 | BVF 7.62HP/04/180MSF4 BCF/08R SN BK BX BVF 7.62HP/05/180MF3 BCF/04R SN BK BX | 0.39 |
| 1157230000 | BVF 7.62HP/05/180MF3 BCF/06R SN BK BX | 0.37 |
| 1157240000 1157250000 | BVF 7.62HP/05/180MF3 BCF/08R SN BK BX BVF 7.62HP/05/180MF4 BCF/08R SN BK BX | 0.37 |
| 1157270000 | BVF 7.62HP/05/180MSF3 BCF/04R SN BK BX | 0.39 |
| 1157280000 | BVF 7.62HP/05/180MSF3 BCF/06R SN BK BX | 0.39 |
| 1157290000 1157300000 | BVF 7.62HP/05/180MSF3 BCF/08R SN BK BX BVF 7.62HP/05/180MSF4 BCF/08R SN BK BX | 0.39 |
| 1157310000 | SU 10.16IT/02/270MF2 3.5AG BK BX S0 | 0.78 |
| 1157320000 | SU 10.16IT/03/270MF2 3.5AG BK BX | 0.78 |
| 1157330000 1157340000 | SU 10.16IT/03/270MF3 3.5AG BK BX SU 10.16IT/04/270MF2 3.5AG BK BX | 0.78 |
| 1157350000 | SU 10.16IT/04/270MF4 3.5AG BK BX | 0.79 |
| 1157380000 1157440000 | SV 7.62HP/04/90G SC/08R SN BK BX BVF 7.62HP/03/180MSF2 BCF/04R SN BK BX | 0.22 |
| 1157450000 | BVF 7.62HP/03/180MSF2 BCF/06R SN BK BX | 0.38 |
| 1157470000 | BVF 7.62HP/03/180MSF2 BCF/08R SN BK BX | 0.38 |
| 1158390000 | SK S-KIT-CH20M22 SK S-KIT-CH20M22 | S.13 |

1158390000 SK S-KIT - CH20M22



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| 1160 | 000000 |
| 1162890000 | RF RS 70 LI/A2/0.SG BK |
| 1162900000 | RF RS 70 RE/A5/0.SG BK |
| 1164670000 | CH20M22 B LGY/BK 2018 |
| 1164680000 | CH20M22 F LGY 2018 |
| 1164690000 | CH20M22 S PPSC LGY 2018 CH20M45 B GGY/BK 2019 |
| 1164710000 1164720000 | CH20M45 F GGY 2019 |
| 1164720000 | CH20M45 FC GGY 2019 |
| 1164740000 | CH20M45 S 2PSC/2PSC GGY 20 |
| 1164750000 | CH20M45 B LGY/BK 2018 |
| 1164770000 | CH20M45 F LGY 2018 |
| 1164780000 1164790000 | CH20M45 FC LGY 2018 CH20M45 S 2PSC/2PSC LGY 20 |
| 1164800000 | CH20M45 FC BK 2010 |
| 1164960000 | BLZ 7.62HP/06/180LR SN BK BX |
| 1164970000 | BLZ 7.62HP/07/180LR SN BK BX |
| 1164980000 | BLZ 7.62HP/08/180LR SN BK BX |
| 1164990000 | BLZ 7.62HP/09/180LR SN BK BX |
| 1165000000 1165010000 | BLZ 7.62HP/10/180LR SN BK BX BLZ 7.62HP/11/180LR SN BK BX |
| 1165020000 | BLZ 7.62HP/12/180LR SN BK BX |
| 1166180000 | CH20M45 S P2SC/P2SC BK 201 |
| 1167190000 | SK S-KIT - CH20M12 |
| 1167190000 | SK S-KIT - CH20M12 |
| 1167200000 | SK DEMO CH20M17 |
| 1167200000 1168820000 | SK DEMO CH20M17 AP 90 BK 2029 |
| 1168970000 | MTA 30 BK |
| 1170 | 000000 |
| 1171090000 | SAMPLE LP CH20M6 |
| 1173490000 | BLZ 7.62IT/02/180MF2 SN BK B |
| 1173500000 | BLZ 7.62IT/03/180MF2 SN BK B |
| 1173510000 | BLZ 7.62IT/03/180MF3 SN BK B |
| 1173520000 1173530000 | BLZ 7.62IT/04/180MF2 SN BK B BLZ 7.62IT/04/180MF4 SN BK B |
| 1173610000 | SL 7.62IT/02/90MF2 3.2SN BK |
| 1173640000 | SL 7.62IT/03/90MF2 3.2SN BK |
| 1173690000 | SL 7.62IT/03/90MF3 3.2SN BK |
| 1173730000 | SL 7.62IT/04/90MF2 3.2SN BK |
| 1173770000 1174280000 | SL 7.62IT/04/90MF4 3.2SN BK CH20M12 S PPP BK 2010 |
| 1174720000 | LX 15.00/03/90 4.5SN BK BX |
| 1176980000 | CH20M12 B BUS BK/OR 2010 |
| 1176990000 | CH20M12 B FE BK/OR 2010 |
| 1177000000 | CH20M22 B BUS BK/OR 2010 |
| 1177010000 1177020000 | CH20M22 B FE BK/OR 2010 CH20M45 B BUS BK/OR 2010 |
| 1177030000 | CH20M45 B FE BK/OR 2010 |
| 1180 | 000000 |
| 1185060000 | AP 100 OR 1665 |
| 1185160000 | AP 100 D OR |
| 1185260000 1185360000 | AP 110 OR AP 110 D OR |
| 1185460000 | AP 111 OR |
| 1185560000 | AP 111 D OR |
| 1188660000 | AP 110 D GY |
| 1189370000 | CH20M FE 12-67 1.5SN RL |
| 1189870000 | AP 100 D BK |
| 1189880000 1189890000 | AP 111 D BK AP 110 BK |
| 1189900000 | AP 111 BK |
| 1190 | 000000 |
| 1193160000 | CH20M BUS-AP LITS 35X7.5 & |
| 1193170000 | CH20M BUS-AP RE TS 35X7.5 & |
| 1200 | |
| 1203290000 1203290000 | SK S-KIT CH20M6 SK S-KIT CH20M6 |
| 1203230000 | SK DEMO CH20M6 |
| 1203310000 | SK DEMO CH20M6 |
| 1203350000 | SK S-KIT CH20M45 |
| | SK S-KIT CH20M45 |
| 1203350000 | |
| 1203350000 1206870000 1206880000 | CH20M22 B RD/BK 2014 CH20M22 FC RD 2014 |

| 1193160000 | CH20M BUS-AP LITS 35X7.5 & 15 | S.40 |
|------------|--------------------------------|-------|
| 1193170000 | CH20M BUS-AP RE TS 35X7.5 & 15 | \$.40 |
| 1200 | 000000 | |
| 1203290000 | SK S-KIT CH20M6 | S.13 |
| 1203290000 | SK S-KIT CH20M6 | S.20 |
| 1203310000 | SK DEMO CH20M6 | S.13 |
| 1203310000 | SK DEMO CH20M6 | S.20 |
| 1203350000 | SK S-KIT CH20M45 | S.13 |
| 1203350000 | SK S-KIT CH20M45 | S.28 |
| 1206870000 | CH20M22 B RD/BK 2014 | S.26 |
| 1206880000 | CH20M22 FC RD 2014 | S.26 |
| 1206890000 | CH20M22 S PPSC RD 2014 | S.27 |
| 1206910000 | CH20M45 B RD/BK 2014 | S.28 |
| 1206920000 | CH20M45 FC RD 2014 | S.28 |
| 1206930000 | CH20M45 S 2PSC/2PSC RD 2014 | S.29 |
| 1209350000 | CH20M22 FC BK 2010 | S.26 |
| 1209360000 | CH20M22 FC GGY 2019 | S.26 |
| 1209370000 | CH20M22 FC LGY 2018 | S.26 |
| 1209380000 | CH20M22 F RD 2014 | S.26 |
| 1209390000 | CH20M45 F RD 2014 | S.28 |

| 22 F RD 2014 45 F RD 2014 | S.26 S.28 |
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| 45 F RD 2014 | S.28 |
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| UUUU | |
| 5/20 BHZ 5.00 SDR | S.37 |
| 6/04/90 4.5SN BK BX | N.18 |
| 6/05/90 4.5SN BK BX | N.18 |
| 6/06/90 4.5SN BK BX | N.18 |
| | 6/04/90 4.5SN BK BX 6/05/90 4.5SN BK BX |

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| 1226250000 | LU 10.16/07/90 4.5SN BK BX | N.18 |
| 1226260000 | LU 10.16/08/90 4.5SN BK BX | N.18 |
| 1226270000 | LU 10.16/09/90 4.5SN BK BX | N.18 |
| 1226280000 | LU 10.16/10/90 4.5SN BK BX | N.18 |
| 1226460000 | LX 15.00/01/90 4.5SN BK BX | N.22 |
| 1226470000 | LX 15.00/02/90 4.5SN BK BX | N.22 |
| 1226480000 | LX 15.00/04/90 4.5SN BK BX | N.22 |
| 1226490000 | LX 15.00/05/90 4.5SN BK BX | N.22 |
| 1226500000 | LX 15.00/06/90 4.5SN BK BX | N.22 |
| 1226510000 | LX 15.00/07/90 4.5SN BK BX | N.22 |
| 1226520000 | LXB 15.00/02/90 4.5SN BK BX | N.23 |
| 1226530000 | LXB 15.00/03/90 4.5SN BK BX | N.23 |
| 1226540000 | LXB 15.00/04/90 4.5SN BK BX | N.23 |
| 1226550000 | LXB 15.00/05/90 4.5SN BK BX | N.23 |
| 1226560000 | LXB 15.00/06/90 4.5SN BK BX | N.23 |
| 1226570000 | LXB 15.00/07/90 4.5SN BK BX | N.23 |
| 1226580000 | LXB 15.00/08/90 4.5SN BK BX | N.23 |
| 1226590000 | LXBL 15.00/01/90 4.5SN BK BX | N.23 |
| 1227340000 | BLF 7.62HP/06/180 SN BK BX | 0.122 |
| 1227350000 | BLF 7.62HP/07/180 SN BK BX | 0.122 |
| 1227360000 | BLF 7.62HP/08/180 SN BK BX | 0.122 |
| 1227370000 | BLF 7.62HP/09/180 SN BK BX | 0.122 |
| 1227380000 | BLF 7.62HP/10/180 SN BK BX | 0.122 |
| 1227390000 | BLF 7.62HP/11/180 SN BK BX | 0.122 |
| 1227410000 | BLF 7.62HP/12/180 SN BK BX | 0.122 |
| 1227420000 | BLF 7.62HP/06/180LR SN BK BX | 0.123 |
| 1227430000 | BLF 7.62HP/07/180LR SN BK BX | 0.123 |
| 1227440000 | BLF 7.62HP/08/180LR SN BK BX | 0.123 |
| 1227450000 | BLF 7.62HP/09/180LR SN BK BX | 0.123 |
| 1227460000 | BLF 7.62HP/10/180LR SN BK BX | 0.123 |
| 1227490000 | BLF 7.62HP/06/180F SN BK BX | 0.123 |
| 1227510000 | BLF 7.62HP/07/180F SN BK BX | 0.123 |
| 1227520000 | BLF 7.62HP/08/180F SN BK BX | 0.123 |
| 1227530000 | BLF 7.62HP/09/180F SN BK BX | 0.123 |
| 1227540000 | BLF 7.62HP/10/180F SN BK BX | 0.123 |

S.51 S.26 S.26 S.27 S.28 S.28 S.28 S.29 S.28 S.28 S.29 S.28 S.28 S.28

S.28 0.121 0.121 0.121 0.121 0.121

0.121 0.121 S.29 S.13 S.22 S.13

S.24 S.53 S.56

S.13 0.66 0.66

0.67 0.66 0.67

0.64 0.65 0.64

0.65 S.23 N.22 S.22 S.22

S.26 S.26 S.28

S.28

S.54 S.54 S.54 S.54 S.54

S.54 S.39 S.54 S.54 S.54

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| 1230 | 00000 | |
|------------|--------------------------------------------------------|-------|
| 1234230000 | LM 5.00/04/180 3.5SN OR BX | F.25 |
| 1234240000 | LM 5.00/05/180 3.5SN OR BX | F.25 |
| 1234250000 | LM 5.00/06/180 3.5SN OR BX | F.25 |
| 1234270000 | LM 5.00/07/180 3.5SN OR BX | F.25 |
| 1234280000 | LM 5.00/08/180 3.5SN OR BX | F.25 |
| 1234290000 | LM 5.00/09/180 3.5SN OR BX | F.25 |
| 1234310000 | LM 5.00/10/180 3.5SN OR BX | F.25 |
| 1234320000 | LM 5.00/11/180 3.5SN OR BX | F.25 |
| 1234330000 | LM 5.00/12/180 3.5SN OR BX | F.25 |
| 1234550000 | PM 5.08/04/90 3.5SN OR BX | F.45 |
| 1234570000 | PM 5.08/05/90 3.5SN OR BX PM 5.08/06/90 3.5SN OR BX | F.45 |
| 1234580000 | PM 5.08/07/90 3.5SN OR BX | F.45 |
| 1234550000 | PM 5.08/08/90 3.5SN OR BX | F.45 |
| 1234610000 | PM 5.08/09/90 3.5SN OR BX | F.45 |
| 1234620000 | PM 5.08/10/90 3.5SN 0R BX | F.45 |
| 1234630000 | PM 5.08/11/90 3.5SN OR BX | F.45 |
| 1234640000 | PM 5.08/12/90 3.5SN OR BX | F.45 |
| 1234650000 | PM 5.00/04/90 3.5SN OR BX | F.44 |
| 1234670000 | PM 5.00/05/90 3.5SN OR BX | F.44 |
| 1234680000 | PM 5.00/06/90 3.5SN OR BX | F.44 |
| 1234690000 | PM 5.00/07/90 3.5SN OR BX | F.44 |
| 1234700000 | PM 5.00/08/90 3.5SN OR BX | F.44 |
| 1234710000 | PM 5.00/09/90 3.5SN OR BX | F.44 |
| 1234710000 | PM 5.00/10/90 3.5SN 0R BX | F.44 |
| 1234720000 | PM 5.00/11/90 3.5SN OR BX | F.44 |
| 1234740000 | PM 5.00/12/90 3.5SN OR BX | F.44 |
| 1235250000 | CH20M67 B BK/OR 2010 | \$.30 |
| 1235270000 | CH20M67 B BK/BK 2010 | \$.30 |
| 1235310000 | CH20M67 FC BK 2010 | \$.30 |
| 1235320000 | CH20M67 S 2PSC/2PSC/2PSC BK 2010 | S.31 |
| 1235790000 | BCF 3.81/05/180ZE SN OR BX | J.56 |
| 1235800000 | BCF 3.81/06/180ZE SN OR BX | J.56 |
| 1235810000 | BCF 3.81/07/180ZE SN OR BX | J.56 |
| 1235820000 | BCF 3.81/08/180ZE SN OR BX | J.56 |
| 1235830000 | BCF 3.81/09/180ZE SN OR BX | J.56 |
| 1235840000 | BCF 3.81/10/180ZE SN OR BX | J.56 |
| 1235870000 | BCF 3.81/11/180ZE SN OR BX | J.56 |
| 1235880000 | BCF 3.81/12/180ZE SN OR BX | J.56 |
| 1235970000 | BCF 3.81/05/180FZE SN OR BX | J.57 |
| 1235980000 | BCF 3.81/06/180FZE SN OR BX | J.57 |
| 1235990000 | BCF 3.81/07/180FZE SN OR BX | J.57 |
| 1236000000 | BCF 3.81/08/180FZE SN OR BX | J.57 |
| 1236010000 | BCF 3.81/09/180FZE SN OR BX | J.57 |
| 1236020000 | BCF 3.81/10/180FZE SN OR BX | J.57 |
| 1236030000 | BCF 3.81/11/180FZE SN OR BX | J.57 |
| 1236040000 | BCF 3.81/12/180FZE SN OR BX | J.57 |
| 1236270000 | BCZ 3.81/05/180ZE SN OR BX | J.50 |
| 1236280000 | BCZ 3.81/06/180ZE SN OR BX | J.50 |
| 1236290000 | BCZ 3.81/07/180ZE SN OR BX | J.50 |
| 1236300000 | BCZ 3.81/08/180ZE SN OR BX | J.50 |
| 1236320000 | BCZ 3.81/09/180ZE SN OR BX | J.50 |
| 1236330000 | BCZ 3.81/10/180ZE SN OR BX | J.50 |
| 1236340000 | BCZ 3.81/11/180ZE SN OR BX | J.50 |
| 1236370000 | BCZ 3.81/12/180ZE SN OR BX | J.50 |
| 1236530000 | BCZ 3.81/05/180FZE SN OR BX | J.51 |
| 1236540000 | BCZ 3.81/06/180FZE SN OR BX | J.51 |
| 1236570000 | BCZ 3.81/07/180FZE SN OR BX | J.51 |
| 1236590000 | BCZ 3.81/08/180FZE SN OR BX | J.51 |
| 1236600000 | BCZ 3.81/09/180FZE SN OR BX | J.51 |
| 1236610000 | BCZ 3.81/10/180FZE SN OR BX | J.51 |
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| 1236620000 | BCZ 3.81/11/180FZE SN OR BX | J.51 |
| 1236630000 | BCZ 3.81/12/180FZE SN OR BX | J.51 |
| 1237000000 | SCZ 3.81/04/180GZE SN OR BX | J.46 |
| 1237010000 | SCZ 3.81/05/180GZE SN OR BX | J.46 |
| 1237020000 | SCZ 3.81/06/180GZE SN OR BX | J.46 |
| 1237030000 | SCZ 3.81/07/180GZE SN OR BX | J.46 |
| 1237040000 | SCZ 3.81/08/180GZE SN OR BX | J.46 |
| 1237070000 | SCZ 3.81/09/180GZE SN OR BX | J.46 |
| 1237080000 | SCZ 3.81/10/180GZE SN OR BX | J.46 |
| 1237090000 | SCZ 3.81/11/180GZE SN OR BX | J.46 |
| 1237100000 | SCZ 3.81/12/180GZE SN OR BX | J.46 |
| 1237120000 | SCZ 3.81/04/180FZE SN OR BX | J.47 |
| 1237130000 | SCZ 3.81/05/180FZE SN OR BX | J.47 |
| 1237140000 | SCZ 3.81/06/180FZE SN OR BX | J.47 |
| 1237170000 | SCZ 3.81/07/180FZE SN OR BX | J.47 |
| 1237180000 | SCZ 3.81/08/180FZE SN OR BX | J.47 |
| 1237190000 | SCZ 3.81/09/180FZE SN OR BX | J.47 |
| 1237200000 | SCZ 3.81/10/180FZE SN OR BX | J.47 |
| 1237210000 | SCZ 3.81/11/180FZE SN OR BX | J.47 |
| 1237220000 | SCZ 3.81/12/180FZE SN OR BX | J.47 |
| 1237550000 | SCZ 3.81/04/180FIZE SN OR BX | J.47 |
| 1237560000 | SCZ 3.81/05/180FIZE SN OR BX | J.47 |
| 1237570000 | SCZ 3.81/06/180FIZE SN OR BX | J.47 |
| 1237580000 | SCZ 3.81/07/180FIZE SN OR BX | J.47 |
| 1237590000 | SCZ 3.81/08/180FIZE SN OR BX | J.47 |
| 1237610000 | SCZ 3.81/09/180FIZE SN OR BX | J.47 |
| 1237620000 | SCZ 3.81/10/180FIZE SN OR BX | J.47 |
| 1237630000 | SCZ 3.81/11/180FIZE SN OR BX | J.47 |
| 1237640000 | SCZ 3.81/12/180FIZE SN OR BX | J.47 |

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| 1243030000 | CH20M22 B BUS BK/BK 2010 | S.26 |
|------------|-------------------------------|-------|
| 1247240000 | CH20M67 B BUS BK/OR 2010 | \$.30 |
| 1247250000 | CH20M67 B FE BK/OR 2010 | \$.30 |
| 1248150000 | CH20M BUS-PROFILTS 35X7.5/250 | \$.40 |
| 1248160000 | CH20M BUS-PROFILTS 35X7.5/500 | \$.40 |
| 1248170000 | CH20M BUS-PROFILTS 35X7.5/750 | \$.40 |
| 1248180000 | CH20M BUS-PROFILTS 35X15/250 | \$.40 |
| 1248190000 | CH20M BUS-PROFILTS 35X15/500 | \$.40 |
| 1248210000 | CH20M BUS-PROFILTS 35X15/750 | \$.40 |
| 1248220000 | CH20M BUS 4.50/05 AU/250 | \$.40 |
| 1248230000 | CH20M BUS 4.50/05 AU/500 | \$.40 |
| 1248240000 | CH20M BUS 4.50/05 AU/750 | \$.40 |
| 1248250000 | CH20M BUS-ADP TS 35/250 | \$.40 |
| 1248260000 | CH20M BUS-ADP TS 35/500 | \$.40 |
| 1248270000 | CH20M BUS-ADP TS 35/750 | \$.40 |
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| 1230 | 000000 | |
|------------|------------------------------|------|
| 1250360000 | LSF-SMD 3.50/02/180 SN BK RL | F.83 |
| 1250370000 | LSF-SMD 3.50/03/180 SN BK RL | F.83 |
| 1250380000 | LSF-SMD 3.50/04/180 SN BK RL | F.83 |
| 1250390000 | LSF-SMD 3.50/05/180 SN BK RL | F.83 |
| 1250410000 | LSF-SMD 3.50/06/180 SN BK RL | F.83 |
| 1250420000 | LSF-SMD 3.50/07/180 SN BK RL | F.83 |
| 1250430000 | LSF-SMD 3.50/08/180 SN BK RL | F.83 |
| 1250440000 | LSF-SMD 3.50/09/180 SN BK RL | F.83 |
| 1250450000 | LSF-SMD 3.50/10/180 SN BK RL | F.83 |
| 1250460000 | LSF-SMD 3.50/11/180 SN BK RL | F.83 |
| 1250470000 | LSF-SMD 3.50/12/180 SN BK RL | F.83 |
| 1250580000 | DP WGK 16 BK BX | 0.18 |
| 1250590000 | DP WGK 25 BK BX | 0.20 |
| 1250610000 | DP WGK 50 BK BX | 0.22 |
| 1250620000 | DP WGK 95 BK BX | 0.24 |
| 1250630000 | DP VWGK 6 BK BX | 0.14 |
| 1250630000 | DP VWGK 6 BK BX | 0.16 |
| 1250650000 | VWGK 4 BK BX | 0.13 |
| 1250660000 | WGK 95F VP BK BX | 0.25 |
| 1250670000 | WGK 95F VP/Z BK BX | 0.25 |
| 1250680000 | WGK 95 BK BX | 0.24 |
| 1250690000 | WGK 95/Z BK BX | 0.24 |
| 1250930000 | WGK 4 BK BX | 0.12 |
| 1250940000 | WGK 4/Z BK BX | 0.12 |
| 1250950000 | WGKV 4 BK BX | 0.13 |
| 1250960000 | WGKV 4/Z BK BX | 0.13 |
| 1251030000 | DP VWGK 4 BK BX | 0.12 |
| 1254120000 | CH20M17 B BK/BK 2010 | S.24 |
| 1254130000 | CH20M17 B BK/OR 2010 | S.24 |
| 1254140000 | CH20M17 F BK 2010 | S.24 |
| 1254150000 | CH20M17 C BK 1819 | S.24 |
| 1254160000 | CH20M17 C TP 8089 | S.24 |
| 1254170000 | CH20M17 S PPP BK 2010 | S.25 |
| 1254180000 | CH20M17 B BUS BK/OR 2010 | S.24 |
| 1254190000 | CH20M17 B FE BK/OR 2010 | S.24 |
| 1255820000 | SK S-KIT CH20M17 | S.13 |
| 1255820000 | SK S-KIT CH20M17 | S.24 |
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1276590000 CH20M22 S RPP BK 2010

| 1204240000 | CHZUWI FE 12-07 3.25N RL | 5.38 |
|------------|--------------------------|-------|
| 1270 | 000000 | |
| 1270820000 | SK DEMO CH20M67 | S.13 |
| 1270820000 | SK DEMO CH20M67 | \$.30 |
| 1275810000 | SK S-KIT CH20M67 | S.13 |
| 1275810000 | SK S-KIT CH20M67 | \$.30 |
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| 1277270000 | B2CF 3.50/04/180 SN OR BX | I.12 |
| 1277280000 | B2CF 3.50/06/180 SN OR BX | I.12 |
| 1277290000 | B2CF 3.50/08/180 SN OR BX | I.12 |
| 1277310000 | B2CF 3.50/10/180 SN OR BX | I.12 |
| 1277320000 | B2CF 3.50/12/180 SN OR BX | I.12 |
| 1277330000 | B2CF 3.50/14/180 SN OR BX | I.12 |
| 1277340000 | B2CF 3.50/16/180 SN OR BX | I.12 |
| 1277350000 | B2CF 3.50/18/180 SN OR BX | I.12 |
| 1277360000 | B2CF 3.50/20/180 SN OR BX | I.12 |
| 1277370000 | B2CF 3.50/22/180 SN OR BX | I.12 |
| 1277380000 | B2CF 3.50/24/180 SN OR BX | I.12 |
| 1277650000 | B2CF 3.50/04/180F SN OR BX | I.13 |
| 1277670000 | B2CF 3.50/06/180F SN OR BX | I.13 |
| 1277680000 | B2CF 3.50/08/180F SN OR BX | I.13 |
| 1277690000 | B2CF 3.50/10/180F SN OR BX | I.13 |
| 1277720000 | B2CF 3.50/12/180F SN OR BX | I.13 |
| 1277730000 | B2CF 3.50/14/180F SN OR BX | I.13 |
| 1277740000 | B2CF 3.50/16/180F SN OR BX | I.13 |
| 1277750000 | B2CF 3.50/18/180F SN OR BX | I.13 |
| 1277760000 | B2CF 3.50/20/180F SN OR BX | I.13 |
| 1277770000 | B2CF 3.50/22/180F SN OR BX | I.13 |
| 1277780000 | B2CF 3.50/24/180F SN OR BX | I.13 |
| 1278040000 | B2CF 3.50/04/180LR SN OR BX | I.13 |
| 1278050000 | B2CF 3.50/06/180LR SN OR BX | I.13 |
| 1278060000 | B2CF 3.50/08/180LR SN OR BX | I.13 |
| 1278070000 | B2CF 3.50/10/180LR SN OR BX | I.13 |
| 1278080000 | B2CF 3.50/12/180LR SN OR BX | I.13 |
| 1278090000 | B2CF 3.50/14/180LR SN OR BX | I.13 |
| 1278100000 | B2CF 3.50/16/180LR SN OR BX | I.13 |
| 1278110000 | B2CF 3.50/18/180LR SN OR BX | I.13 |
| 1278120000 | B2CF 3.50/20/180LR SN OR BX | I.13 |
| 1278130000 | B2CF 3.50/22/180LR SN OR BX | I.13 |
| 1278140000 | B2CF 3.50/24/180LR SN OR BX | I.13 |
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| 1288470000 | PGK 4 BK | 0.10 |
|------------|-----------------------------------|------|
| 1288590000 | PGK 4 BT BK | 0.1 |
| 1288600000 | EPL PGK4 BK | 0.1 |
| 1288610000 | VREL PGK4 OR VPE 30 | 0.10 |
| 1288980000 | S2C-SMT 3.50/04/90G 3.2SN BK BX | 1.0 |
| 1289000000 | BUL 10.16HP/02/180 4.5AG BK BX S0 | 0.23 |
| 1289010000 | BUL 10.16HP/04/180 4.5AG BK BX SO | 0.23 |
| 1289270000 | S2C-SMT 3.50/06/90G 3.2SN BK BX | 1.0 |
| 1289280000 | S2C-SMT 3.50/08/90G 3.2SN BK BX | 1.0 |
| 1289290000 | S2C-SMT 3.50/10/90G 3.2SN BK BX | 1.0 |
| 1289300000 | S2C-SMT 3.50/12/90G 3.2SN BK BX | 1.0 |
| 1289310000 | S2C-SMT 3.50/14/90G 3.2SN BK BX | 1.0 |
| 1289320000 | S2C-SMT 3.50/16/90G 3.2SN BK BX | 1.0 |
| 1289330000 | S2C-SMT 3.50/18/90G 3.2SN BK BX | 1.0 |
| 1289340000 | S2C-SMT 3.50/20/90G 3.2SN BK BX | 1.0 |
| 1289350000 | S2C-SMT 3.50/22/90G 3.2SN BK BX | 1.0 |
| 1289370000 | S2C-SMT 3.50/24/90G 3.2SN BK BX | 1.0 |
| 1289450000 | S2C-SMT 3.50/04/90LF 3.2SN BK BX | L. |
| 1289460000 | S2C-SMT 3.50/06/90LF 3.2SN BK BX | L. |
| 1289470000 | S2C-SMT 3.50/08/90LF 3.2SN BK BX | L: |
| 1289480000 | S2C-SMT 3.50/10/90LF 3.2SN BK BX | L. |
| 1289490000 | S2C-SMT 3.50/12/90LF 3.2SN BK BX | L. |
| 1289500000 | S2C-SMT 3.50/14/90LF 3.2SN BK BX | L |
| 1289510000 | S2C-SMT 3.50/16/90LF 3.2SN BK BX | L. |
| 1289520000 | S2C-SMT 3.50/18/90LF 3.2SN BK BX | L. |
| 1289530000 | S2C-SMT 3.50/20/90LF 3.2SN BK BX | L |
| 1289540000 | S2C-SMT 3.50/22/90LF 3.2SN BK BX | L. |
| 1289550000 | S2C-SMT 3.50/24/90LF 3.2SN BK BX | L |

1290000000

| 1290030000 | S2C-SMT 3.50/04/180G 3.5SN BK BX | 1.8 |
|------------|-----------------------------------|------|
| 1290040000 | S2C-SMT 3.50/06/180G 3.5SN BK BX | 1.8 |
| 1290050000 | S2C-SMT 3.50/08/180G 3.5SN BK BX | 1.8 |
| 1290060000 | S2C-SMT 3.50/10/180G 3.5SN BK BX | 1.8 |
| 1290070000 | S2C-SMT 3.50/12/180G 3.5SN BK BX | 1.8 |
| 1290080000 | S2C-SMT 3.50/14/180G 3.5SN BK BX | 1.8 |
| 1290090000 | S2C-SMT 3.50/16/180G 3.5SN BK BX | 1.8 |
| 1290110000 | S2C-SMT 3.50/18/180G 3.5SN BK BX | 1.8 |
| 1290120000 | S2C-SMT 3.50/20/180G 3.5SN BK BX | 1.8 |
| 1290130000 | S2C-SMT 3.50/22/180G 3.5SN BK BX | 1.8 |
| 1290140000 | S2C-SMT 3.50/24/180G 3.5SN BK BX | 1.8 |
| 1290220000 | S2C-SMT 3.50/04/180LF 3.5SN BK BX | 1.9 |
| 1290230000 | S2C-SMT 3.50/06/180LF 3.5SN BK BX | 1.9 |
| 1290240000 | S2C-SMT 3.50/08/180LF 3.5SN BK BX | 1.9 |
| 1290250000 | S2C-SMT 3.50/10/180LF 3.5SN BK BX | 1.9 |
| 1290260000 | S2C-SMT 3.50/12/180LF 3.5SN BK BX | 1.9 |
| 1290270000 | S2C-SMT 3.50/14/180LF 3.5SN BK BX | 1.9 |
| 1290280000 | S2C-SMT 3.50/16/180LF 3.5SN BK BX | 1.9 |
| 1290290000 | S2C-SMT 3.50/18/180LF 3.5SN BK BX | 1.9 |
| 1290310000 | S2C-SMT 3.50/20/180LF 3.5SN BK BX | 1.9 |
| 1290320000 | S2C-SMT 3.50/22/180LF 3.5SN BK BX | 1.9 |
| 1290330000 | S2C-SMT 3.50/24/180LF 3.5SN BK BX | 1.9 |
| 1294310000 | CH20M12 B LGY/BK 2018 | S.22 |
| 1294320000 | CH20M12 S PPSC LGY 2018 | S.23 |
| 1294330000 | CH20M12 S PPP LGY 2018 | S.23 |
| 1294340000 | CH20M12 S PPP BL 2013 | S.23 |
| 1294350000 | CH20M12 F LGY 2018 | S.22 |
| 1296430000 | CH20M22 S PPP BL 2013 | S.27 |
| 1296440000 | CH20M22 S PPP LGY 2018 | S.27 |
| 1297840000 | DP WGK 4 BK BX | 0.12 |
| | | |

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|------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1300000000 | | 1331790000 LMF 5.00/10/90 3.5SN OR BX | F.88 | 1353480000 SLS 5.08/03/180DF SN OR BX | K.82 | 1376440000 BLL 3.50/08/180 3.2SN OR TU I.62 |
| 1304240000 CH20M22 FC TYL 2083 | S.26 | 1331800000 LMF 5.00/11/90 3.5SN OR BX 1331810000 LMF 5.00/12/90 3.5SN OR BX | F.88 F.88 | 1353490000 SLS 5.08/04/180DF SN OR BX 1353500000 SLS 5.08/05/180DF SN OR BX | K.82 | 1376450000 BLL 3.50/09/180 3.2SN 0R TU 1.62 1376470000 BLL 3.50/10/180 3.2SN 0R TU 1.62 |
| 1307570000 BBDF OR | M.6 | 1331960000 LMFS 5.00/02/90 3.5SN OR BX | F.89 | 1353520000 SLS 5.08/06/180DF SN OR BX | K.82 | 1376480000 BLL 3.50/12/180 3.2SN OR TU 1.62 |
| 1307580000 BBDF BK | M.6 | 1331970000 LMFS 5.00/03/90 3.5SN OR BX 1331980000 LMFS 5.00/04/90 3.5SN OR BX | F.89 | 1353530000 SLS 5.08/07/180DF SN OR BX 1353540000 SLS 5.08/08/180DF SN OR BX | K.82 | 1378000000 CH20M17 B FE BK/BK 2010 S.24 1378660000 AP 80 GN S.52 |
| 1310000000 | | 1331990000 LMFS 5.00/05/90 3.5SN OR BX | F.89 | 1353550000 SLS 5.08/09/180DF SN OR BX | K.82 | 1379610000 SL-SMT 3.50/02/90RF 1.5SN BK BX 1.33 |
| 1310520000 CH20M12 B BUS LGY/BK 2018 | S.22 | 1332010000 LMFS 5.00/06/90 3.5SN OR BX 1332020000 LMFS 5.00/07/90 3.5SN OR BX | F.89 | 1353570000 SLS 5.08/10/180DF SN OR BX 1353580000 SLF 5.08/02/180DF SN OR BX | K.82 K.84 | 1380000000 |
| 1312680000 CH20M12 S PSCSC LGY 2018 | S.23 | 1332030000 LMFS 5.00/08/90 3.5SN OR BX | F.89 | 1353590000 SLF 5.08/03/180DF SN OR BX | K.84 | |
| 1312730000 BVZ 7.62IT/04/180MF3 SN BK BX 1317200000 SAMPLE LP CH20M PPP | 0.75 S.13 | 1332040000 LMFS 5.00/09/90 3.5SN OR BX 1332050000 LMFS 5.00/10/90 3.5SN OR BX | F.89 | 1353600000 SLF 5.08/04/180DF SN OR BX 1353620000 SLF 5.08/05/180DF SN OR BX | K.84 K.84 | 1384030000 CH20M22 B BUS FE BK/BK 2010 S.26 1386250000 LXXX 15.00/05/90 4.5SN BK BX N.24 |
| | 0.10 | 1332060000 LMFS 5.00/11/90 3.5SN OR BX | F.89 | 1353630000 SLF 5.08/06/180DF SN OR BX | K.84 | 1386290000 LXXX 15.00/05/90F 4.5SN BK BX N.25 |
| 1320000000 | | 1332070000 LMFS 5.00/12/90 3.5SN OR BX 1333100000 H2,5/14DS BL | F.89 K.46 | 1353640000 SLF 5.08/07/180DF SN OR BX 1353650000 SLF 5.08/08/180DF SN OR BX | K.84 K.84 | 1386330000 LXXX 15.00/05/90FL 4.5SN BK BX N.25 1386370000 LXXX 15.00/05/90FR 4.5SN BK BX N.25 |
| 1324260000 AP 80 OR | S.52 | 1333100000 H2,5/14DS BL | K.48 | 1353670000 SLF 5.08/09/180DF SN OR BX | K.84 | 1386400000 LXXX 15.00/06/90 4.5SN BK BX N.24 |
| 1324360000 AP 80 D 0R 1324460000 RF 180 OR 1665 | S.52 S.52 | 1333100000 H2,5/14DS BL 1333100000 H2,5/14DS BL | K.84 K.88 | 1353680000 SLF 5.08/10/180DF SN OR BX 1356830000 LL 6.35/02/90V 5.0SN BK BX | K.84 N.16 | 1386440000 LXXX 15.00/06/90F 4.5SN BK BX N.25 1386480000 LXXX 15.00/06/90FL 4.5SN BK BX N.25 |
| 1324460000 RF 180 OR 1665 | \$.53 | 1333100000 H2,5/14DS BL | K.94 | 1356840000 LL 6.35/03/90V 5.0SN BK BX | N.16 | 1386520000 LXXX 15.00/06/90FR 4.5SN BK BX N.25 |
| 1324460000 RF 180 OR 1665 1327040000 SK S-KIT IN-RAIL BUS CH20M 12-67 | S.54 S.13 | 1333100000 H2,5/14DS BL 1333100000 H2,5/14DS BL | K.108 K.110 | 1356850000 LL 6.35/04/90V 5.0SN BK BX 1356870000 LL 6.35/05/90V 5.0SN BK BX | N.16 N.16 | 1386550000 LXXX 15.00/07/90 4.5SN BK BX N.24 1386590000 LXXX 15.00/07/90F 4.5SN BK BX N.25 |
| 1327990000 CH20M45 S 2PSC/2PSC TYL 2083 | \$.29 | 1333100000 H2,5/14DS BL | K.112 | 1356880000 LL 6.35/06/90V 5.0SN BK BX | N.16 | 1386630000 LXXX 15.00/07/90FL 4.5SN BK BX N.25 |
| 1330000000 | | 1333100000 H2,5/14DS BL 1335140000 SET CH20M BUS 250MM TS 35X7.5 | K.114 S.41 | 1356890000 LL 6.35/07/90V 5.0SN BK BX 1356900000 LL 6.35/08/90V 5.0SN BK BX | N.16 N.16 | 1386670000 LXXX 15.00/07/90FR 4.5SN BK BX N.25 1386700000 LXXX 15.00/08/90 4.5SN BK BX N.24 |
| | | 1335150000 SET CH20M BUS 250MM TS 35X15 | S.41 | 1356920000 LL 6.35/09/90V 5.0SN BK BX | N.16 | 1386740000 LXXX 15.00/08/90F 4.5SN BK BX N.25 |
| 1330180000 LMF 5.00/02/180 3.5SN OR BX 1330190000 LMF 5.00/03/180 3.5SN OR BX | F.89 F.89 | 1335330000 SLF 5.08/02/180 SN OR BX 1335340000 SLF 5.08/03/180 SN OR BX | K.94 K.94 | 1356930000 LL 6.35/10/90V 5.0SN BK BX 1356940000 LL 6.35/11/90V 5.0SN BK BX | N.16 N.16 | 1386780000 LXXX 15.00/08/90FL 4.5SN BK BX N.25 1386820000 LXXX 15.00/08/90FR 4.5SN BK BX N.25 |
| 1330200000 LMF 5.00/04/180 3.5SN OR BX | F.89 | 1335350000 SLF 5.08/04/180 SN OR BX | K.94 | 1356950000 LL 6.35/12/90V 5.0SN BK BX | N.16 | 1386850000 LXXX 15.00/09/90 4.5SN BK BX N.24 |
| 1330210000 LMF 5.00/05/180 3.5SN OR BX 1330220000 LMF 5.00/06/180 3.5SN OR BX | F.89 F.89 | 1335360000 SLF 5.08/05/180 SN OR BX 1335370000 SLF 5.08/06/180 SN OR BX | K.94 K.94 | 1357790000 S2CD-THR 3.50/08/90G 3.2SN BK BX 1357800000 S2CD-THR 3.50/12/90G 3.2SN BK BX | I.10 I.10 | 1386890000 LXXX 15.00/09/90F 4.5SN BK BX N.25 1386930000 LXXX 15.00/09/90FL 4.5SN BK BX N.25 |
| 1330230000 LMF 5.00/07/180 3.5SN OR BX | F.89 | 1335380000 SLF 5.08/07/180 SN OR BX | K.94 | 1357820000 S2CD-THR 3.50/16/90G 3.2SN BK BX | I.10 | 1386970000 LXXX 15.00/09/90FR 4.5SN BK BX N.25 |
| 1330240000 LMF 5.00/08/180 3.5SN OR BX 1330250000 LMF 5.00/09/180 3.5SN OR BX | F.89 | 1335390000 SLF 5.08/08/180 SN OR BX 1335400000 SLF 5.08/09/180 SN OR BX | K.94 K.94 | 1357830000 S2CD-THR 3.50/20/90G 3.2SN BK BX 1357840000 S2CD-THR 3.50/24/90G 3.2SN BK BX | I.10 I.10 | 1390000000 |
| 1330270000 LMF 5.00/10/180 3.5SN OR BX | F.89 | 1335410000 SLF 5.08/10/180 SN OR BX 1335420000 SLF 5.08/11/180 SN OR BX | K.94 | 1357850000 S2CD-THR 3.50/28/90G 3.2SN BK BX | I.10 | |
| 1330280000 LMF 5.00/11/180 3.5SN 0R BX 1330290000 LMF 5.00/12/180 3.5SN 0R BX | F.89 F.89 | 1335420000 SLF 5.08/11/180 SN OR BX 1335430000 SLF 5.08/12/180 SN OR BX | K.94 K.94 | 1357870000 S2CD-THR 3.50/32/90G 3.2SN BK BX 1357880000 S2CD-THR 3.50/36/90G 3.2SN BK BX | I.10 I.10 | 1395730000 CH20M17 S PPP TYL 2083 S.25 1396730000 PF RS 80 GN 2000MM S.52 |
| 1330430000 LMFS 5.00/02/180 3.5SN OR BX | F.89 | 1335440000 SLF 5.08/02/180B SN OR BX | K.95 K.95 | 1357890000 S2CD-THR 3.50/08/90LF 3.2SN BK BX | L11 L11 | 1398820000 SL 7.62IT/05/90MF3 3.2SN BK BX SO 0.65 1398830000 SL 7.62IT/05/90MF4 3.2SN BK BX SO 0.65 |
| 1330440000 LMFS 5.00/03/180 3.5SN OR BX 1330450000 LMFS 5.00/04/180 3.5SN OR BX | F.89 | 1335450000 SLF 5.08/03/180B SN OR BX 1335460000 SLF 5.08/04/180B SN OR BX | K.95 | 1357900000 S2CD-THR 3.50/12/90LF 3.2SN BK BX 1357920000 S2CD-THR 3.50/16/90LF 3.2SN BK BX | L11 | 1398830000 SL 7.62IT/05/90MF4 3.2SN BK BX S0 0.65 1398840000 SL 7.62IT/06/90MF3 3.2SN BK BX S0 0.65 |
| 1330470000 LMFS 5.00/05/180 3.5SN OR BX | F.89 | 1335470000 SLF 5.08/05/180B SN OR BX 1335480000 SLF 5.08/06/180B SN OR BX | K.95 K.95 | 1357930000 S2CD-THR 3.50/20/90LF 3.2SN BK BX 1357940000 S2CD-THR 3.50/24/90LF 3.2SN BK BX | L11 L11 | 1398880000 BLZ 7.62IT/05/180MF3 SN BK BX 0.67 1398890000 BLZ 7.62IT/05/180MF4 SN BK BX 0.67 |
| 1330490000 LMFS 5.00/06/180 3.5SN OR BX 1330500000 LMFS 5.00/07/180 3.5SN OR BX | F.89 | 1335490000 SLF 5.08/07/180B SN OR BX | K.95 | 1357950000 S2CD-THR 3.50/28/90LF 3.2SN BK BX | L11 | 1398900000 BLZ 7.6217/03/160MF4 SN BK BX 0.67 |
| 1330510000 LMFS 5.00/08/180 3.5SN 0R BX | F.89 | 1335510000 SLF 5.08/08/180B SN OR BX 1335520000 SLF 5.08/09/180B SN OR BX | K.95 K.95 | 1357970000 S2CD-THR 3.50/32/90LF 3.2SN BK BX 1357990000 S2CD-THR 3.50/36/90LF 3.2SN BK BX | L11 L11 | 1398910000 BLZ 7.62IT/06/180MF4 SN BK BX 0.67 |
| 1330520000 LMFS 5.00/09/180 3.5SN OR BX 1330530000 LMFS 5.00/10/180 3.5SN OR BX | F.89 | 1335530000 SLF 5.08/10/180B SN OR BX | K.95 | 1358630000 S2C-SMT 3.50/30/30LF 3.23N BK BX | 1.11 | 1410000000 |
| 1330540000 LMFS 5.00/11/180 3.5SN OR BX | F.89 | 1335540000 SLF 5.08/11/180B SN OR BX 1335550000 SLF 5.08/12/180B SN OR BX | K.95 K.95 | 1358640000 S2C-SMT 3.50/06/180LF 1.5SN BK RL 1358650000 S2C-SMT 3.50/08/180LF 1.5SN BK RL | 1.9 | 1410860000 AP 85 OR S.52 |
| 1330550000 LMFS 5.00/12/180 3.5SN OR BX 1330710000 LMF 5.08/02/90 3.5SN OR BX | F.89 F.90 | 1335590000 SLF 5.08/02/180F SN OR BX | K.95 | 1358670000 S2C-SMT 3.50/10/180LF 1.5SN BK RL | 1.9 | 1410960000 AP 86 0R S.52 |
| 1330720000 LMF 5.08/03/90 3.5SN OR BX | F.90 | 1335620000 SLF 5.08/03/180F SN OR BX 1335640000 SLF 5.08/04/180F SN OR BX | K.95 K.95 | 1358680000 S2C-SMT 3.50/12/180LF 1.5SN BK RL 1358690000 S2C-SMT 3.50/14/180LF 1.5SN BK RL | 1.9 | 1411060000 AP 85 D OR S.52 1411160000 AP 86 D OR S.52 |
| 1330730000 LMF 5.08/04/90 3.5SN OR BX 1330740000 LMF 5.08/05/90 3.5SN OR BX | F.90 F.90 | 1335660000 SLF 5.08/05/180F SN OR BX | K.95 | 1358700000 S2C-SMT 3.50/16/180LF 1.5SN BK RL | 1.9 | 1411500000 CH20M22 S PPP GGY 2019 S.27 |
| 1330750000 LMF 5.08/06/90 3.5SN OR BX 1330770000 LMF 5.08/07/90 3.5SN OR BX | F.90 F.90 | 1335680000 SLF 5.08/06/180F SN OR BX 1335700000 SLF 5.08/07/180F SN OR BX | K.95 K.95 | 1358710000 S2C-SMT 3.50/18/180LF 1.5SN BK RL 1358720000 S2C-SMT 3.50/20/180LF 1.5SN BK RL | 1.9 | 1412410000 LSF-SMD 3.50/02/90 SN BK RL F.82 1412420000 LSF-SMD 3.50/03/90 SN BK RL F.82 |
| 1330770000 LMF 5.08/07/90 3.5SN OR BX 1330780000 LMF 5.08/08/90 3.5SN OR BX | F.90 | 1335720000 SLF 5.08/08/180F SN OR BX | K.95 | 1358860000 S2C-SMT 3.50/04/180G 1.5SN BK RL | 1.9 | 1413000000 RSV1,6 B4 GR L.15 |
| 1330790000 LMF 5.08/09/90 3.5SN OR BX 1330800000 LMF 5.08/10/90 3.5SN OR BX | F.90 F.90 | 1335740000 SLF 5.08/09/180F SN OR BX 1335760000 SLF 5.08/10/180F SN OR BX | K.95 K.95 | 1358870000 S2C-SMT 3.50/06/180G 1.5SN BK RL 1358880000 S2C-SMT 3.50/08/180G 1.5SN BK RL | 1.9 | 1413100000 RSV1,6 S4 GR L.14 1413770000 CH20M45 B BUS GGY/BK 2019 S.28 |
| 1330810000 LMF 5.08/11/90 3.5SN OR BX | F.90 | 1335780000 SLF 5.08/11/180F SN OR BX | K.95 | 1358900000 S2C-SMT 3.50/10/180G 1.5SN BK RL | 1.9 | 1413780000 CH20M67 B BUS GGY/BK 2019 S.30 |
| 1330820000 LMF 5.08/12/90 3.5SN OR BX 1330960000 LMFS 5.08/02/90 3.5SN OR BX | F.90 F.91 | 1335800000 SLF 5.08/12/180F SN OR BX 1336400000 SLF 5.08/02/180FI SN OR BX | K.95 K.95 | 1358920000 S2C-SMT 3.50/12/180G 1.5SN BK RL 1358940000 S2C-SMT 3.50/14/180G 1.5SN BK RL | 1.9 | 1413810000 CH20M67 FC GGY 2019 S.30 1413820000 CH20M67 S 2PSC/2PSC/2PSC GGY 2019 S.31 |
| 1330970000 LMFS 5.08/03/90 3.5SN OR BX | F.91 | 1336410000 SLF 5.08/03/180FI SN OR BX | K.95 | 1358970000 S2C-SMT 3.50/16/180G 1.5SN BK RL | 1.9 | 1414000000 RSV1,6 B6 GR L.15 |
| 1330980000 LMFS 5.08/04/90 3.5SN OR BX 1330990000 LMFS 5.08/05/90 3.5SN OR BX | F.91 F.91 | 1336420000 SLF 5.08/04/180FI SN OR BX 1336430000 SLF 5.08/05/180FI SN OR BX | K.95 K.95 | 1358990000 S2C-SMT 3.50/18/180G 1.5SN BK RL 1359020000 S2C-SMT 3.50/20/180G 1.5SN BK RL | 1.9 | 1414100000 RSV1,6 S6 GR L.14 1415000000 RSV1,6 B9 GR L.15 |
| 1331000000 LMFS 5.08/06/90 3.5SN OR BX | F.91 | 1336440000 SLF 5.08/06/180FI SN OR BX | K.95 | 1359040000 S2C-SMT 3.50/22/180G 1.5SN BK RL | 1.9 | 1415100000 RSV1,6 S9 GR L.14 |
| 1331010000 LMFS 5.08/07/90 3.5SN OR BX 1331020000 LMFS 5.08/08/90 3.5SN OR BX | F.91 F.91 | 1336450000 SLF 5.08/07/180FI SN OR BX 1336470000 SLF 5.08/08/180FI SN OR BX | K.95 K.95 | 1359060000 S2C-SMT 3.50/24/180G 1.5SN BK RL 1359080000 S2C-SMT 3.50/04/90LF 1.5SN BK RL | 1.9 | 1416000000 RSV1,6 B12 GR L.15 1416100000 RSV1,6 S12 GR L.14 |
| 1331030000 LMFS 5.08/09/90 3.5SN OR BX | F.91 | 1336480000 SLF 5.08/09/180FI SN OR BX | K.95 | 1359090000 S2C-SMT 3.50/06/90LF 1.5SN BK RL | 1.7 | 1417000000 RSV1,6 B18 GR L.15 |
| 1331040000 LMFS 5.08/10/90 3.5SN OR BX 1331050000 LMFS 5.08/11/90 3.5SN OR BX | F.91 F.91 | 1336490000 SLF 5.08/10/180FI SN OR BX 1336500000 SLF 5.08/11/180FI SN OR BX | K.95 K.95 | 1359110000 S2C-SMT 3.50/08/90LF 1.5SN BK RL 1359120000 S2C-SMT 3.50/10/90LF 1.5SN BK RL | 1.7 | 1417100000 RSV1,6 S18 GR L.14 1418000000 RSV1,6 B24 GR L.15 |
| 1331060000 LMFS 5.08/12/90 3.5SN 0R BX | F.91 | 1336510000 SLF 5.08/12/180FI SN OR BX 1337640000 CH20M45 F TYL 2083 | K.95 S.28 | 1359130000 S2C-SMT 3.50/12/90LF 1.5SN BK RL 1359140000 S2C-SMT 3.50/14/90LF 1.5SN BK RL | 1.7 1.7 | 1418100000 RSV1,6 S24 GR L.14 1419000000 RSV1,6 B36 GR BX L.15 |
| 1331080000 LMF 5.08/02/180 3.5SN OR BX 1331100000 LMF 5.08/03/180 3.5SN OR BX | F.91 F.91 | 1337040000 CH20W431 11E2003 | 3.20 | 1359150000 S2C-SMT 3.50/16/90LF 1.5SN BK RL | 1.7 | 1419100000 RSV1,6 S36 GR BX L.14 |
| 1331120000 LMF 5.08/04/180 3.5SN OR BX 1331140000 LMF 5.08/05/180 3.5SN OR BX | F.91 F.91 | 1340000000 | | 1359160000 S2C-SMT 3.50/18/90LF 1.5SN BK RL 1359170000 S2C-SMT 3.50/20/90LF 1.5SN BK RL | 1.7 | 1/120000000 |
| 1331160000 LMF 5.08/06/180 3.5SN OR BX | F.91 | 1341270000 BUL 10.16HP/03/180 4.5AG BK BX S0 | 0.230 | 1359580000 S2C-SMT 3.50/04/90G 1.5SN BK RL | 1.7 | 1420000000 |
| 1331180000 LMF 5.08/07/180 3.5SN OR BX 1331200000 LMF 5.08/08/180 3.5SN OR BX | F.91 F.91 | 1346320000 ESG 6.6/15 BHZ 5.00 SDR 1346330000 ESG 6.6/11 BHZ 5.00 SDR | S.37 S.37 | 1359590000 S2C-SMT 3.50/06/90G 1.5SN BK RL 1359600000 S2C-SMT 3.50/08/90G 1.5SN BK RL | 1.7 | 1420370000 CH20M67 S 3P/3P/3P BK 2010 S.31 1420500000 CS1,6R26-24 AU,75 I1,4 L.16 |
| 1331220000 LMF 5.08/09/180 3.5SN OR BX | F.91 | | | 1359610000 S2C-SMT 3.50/10/90G 1.5SN BK RL | 1.7 | 1420600000 CS1,6E26-24 AU,75 I1,4 L.16 |
| 1331240000 LMF 5.08/10/180 3.5SN OR BX 1331260000 LMF 5.08/11/180 3.5SN OR BX | F.91 F.91 | 1350000000 | | 1359620000 S2C-SMT 3.50/12/90G 1.5SN BK RL 1359630000 S2C-SMT 3.50/14/90G 1.5SN BK RL | 1.7 | 1420700000 CSL1,6E26-24 AU,75 I1,4 L.16 1420800000 CB1,6R26-24 AU,75 I1,4 L.16 |
| 1331280000 LMF 5.08/12/180 3.5SN OR BX | F.91 | 1350230000 CH20M22 FTYL 2083 | \$.26 | 1359640000 S2C-SMT 3.50/16/90G 1.5SN BK RL | 1.7 | 1420900000 CB1,6E26-24 AU,75 I1,4 L.16 |
| 1331430000 LMFS 5.08/02/180 3.5SN OR BX 1331440000 LMFS 5.08/03/180 3.5SN OR BX | F.91 F.91 | 1353130000 BLT 5.08HC/02/180DF SN OR BX 1353140000 BLT 5.08HC/03/180DF SN OR BX | K.86 | 1359650000 S2C-SMT 3.50/18/90G 1.5SN BK RL 1359670000 S2C-SMT 3.50/20/90G 1.5SN BK RL | 1.7 | 1421500000 CS1,6R26-24 SN I1,4 L.16 1421600000 CS1,6E26-24 SN I1,4 L.16 |
| 1331450000 LMFS 5.08/04/180 3.5SN OR BX | F.91 | 1353150000 BLT 5.08HC/04/180DF SN OR BX | K.86 | 1359680000 S2C-SMT 3.50/22/90G 1.5SN BK RL | 1.7 | 1421700000 CSL1,6E26-24 SN I1,4 L.16 |
| 1331470000 LMFS 5.08/05/180 3.5SN OR BX 1331480000 LMFS 5.08/06/180 3.5SN OR BX | F.91 F.91 | 1353170000 BLT 5.08HC/05/180DF SN OR BX 1353180000 BLT 5.08HC/06/180DF SN OR BX | K.86 | 1359690000 S2C-SMT 3.50/24/90G 1.5SN BK RL | 1.7 | 1421800000 CB1,6R26-24 SN I1,4 L.16 1421900000 CB1,6E26-24 SN I1,4 L.16 |
| 1331490000 LMFS 5.08/07/180 3.5SN OR BX | F.91 | 1353190000 BLT 5.08HC/07/180DF SN OR BX | K.86 | 1360000000 | | 1422500000 CS1,6R22-20 AU,75 I1,8 L.16 |
| 1331500000 LMFS 5.08/08/180 3.5SN OR BX 1331510000 LMFS 5.08/09/180 3.5SN OR BX | F.91 F.91 | 1353200000 BLT 5.08HC/08/180DF SN OR BX 1353220000 BLT 5.08HC/09/180DF SN OR BX | K.86 | 1366280000 CH20M17 B BUS BK/BK 2010 | S.24 | 1422600000 CS1,6E22-20 AU,7511,8 L.16 1422700000 CSL1,6E22-20 AU,7511,8 L.16 |
| 1331520000 LMFS 5.08/10/180 3.5SN OR BX | F.91 | 1353230000 BLT 5.08HC/10/180DF SN OR BX | K.86 | 1366350000 CH20M12 B BUS BK/BK 2010 | \$.22 | 1422800000 CB1,6R22-20 AU,75 I1,8 L.16 |
| 1331530000 LMFS 5.08/11/180 3.5SN OR BX 1331540000 LMFS 5.08/12/180 3.5SN OR BX | F.91 F.91 | 1353240000 BLF 5.08HC/02/180DF SN OR BX 1353250000 BLF 5.08HC/03/180DF SN OR BX | K.88 K.88 | 1370000000 | | 1422900000 CB1,6E22-20 AU,7511,8 L.16 1423500000 CS1,6R22-20 SN11,8 L.16 |
| 1331700000 LMF 5.00/02/90 3.5SN OR BX | F.88 | 1353270000 BLF 5.08HC/04/180DF SN OR BX 1353280000 BLF 5.08HC/05/180DF SN OR BX | K.88 | 137000000 1376310000 BLL 3.50/02/180 3.2SN OR TU | 1.62 | 1423600000 CS1,6E22-20 SNI1,8 L.16 1423700000 CSL1,6E22-20 SNI1,8 L.16 |
| 1331710000 LMF 5.00/03/90 3.5SN OR BX 1331720000 LMF 5.00/04/90 3.5SN OR BX | F.88 F.88 | 1353290000 BLF 5.08HC/07/180DF SN OR BX | K.88 | 1376320000 BLL 3.50/03/180 3.2SN OR TU | 1.62 | 1423800000 CB1,6R22-20 SN I1,8 L.16 |
| 1331730000 LMF 5.00/05/90 3.5SN OR BX | F.88 | 1353300000 BLF 5.08HC/08/180DF SN OR BX 1353320000 BLF 5.08HC/09/180DF SN OR BX | K.88 | 1376330000 BLL 3.50/04/180 3.2SN OR TU 1376340000 BLL 3.50/05/180 3.2SN OR TU | 1.62 | 1423900000 CB1,6E22-20 SN I1,8 L.16 1424500000 CS1,6R22-20 AU,75 I2,5 L.16 |
| 1331740000 LMF 5.00/06/90 3.5SN OR BX 1331750000 LMF 5.00/07/90 3.5SN OR BX | F.88 F.88 | 1353330000 BLF 5.08HC/10/180DF SN OR BX | K.88 | 1376350000 BLL 3.50/07/180 3.2SN OR TU | 1.62 | 1424600000 CS1,6E22-20 AU,75 I2,5 L.16 |
| 1331770000 LMF 5.00/08/90 3.5SN OR BX 1331780000 LMF 5.00/09/90 3.5SN OR BX | F.88 F.88 | 1353340000 BLF 5.08HC/06/180DF SN OR BX 1353470000 SLS 5.08/02/180DF SN OR BX | K.88 K.82 | 1376370000 BLL 3.50/11/180 3.2SN OR TU 1376430000 BLL 3.50/06/180 3.2SN OR TU | I.62 | 1424700000 CSL1,6E22-20 AU,75 I2,5 L.16 1424800000 CB1,6R22-20 AU,75 I2,5 L.16 |
| | 1.00 | | 1.02 | | | Let U |



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| 1424900000 | CB1,6E22-20 AU,75 I2,5 | L16 |
| 1425500000 | CS1,6R22-20 SN I2,5 | L.16 |
| 1425600000 | CS1,6E22-20 SN I2,5 | L.16 |
| 1425700000 | CSL1,6E22-20 SN I2,5 | L16 |
| 1425800000 | CB1,6R22-20 SN I2,5 | L.16 |
| 1425900000 | CB1,6E22-20 SN I2,5 | L.16 |
| 1426500000 | CS1,6R18-16 AU,75 I2,5 | L16 |
| 1426600000 | CS1,6E18-16 AU,75 I2,5 | L.16 |
| 1426700000 | CSL1,6E18-16 AU,75 I2,5 | L16 |
| 1426800000 | CB1,6R18-16 AU,75 I2,5 | L.16 |
| 1426900000 | CB1,6E18-16 AU,75 I2,5 | L16 |
| 1427220000 | SVF 7.62HP/02/180SFMF2 SN BK BX | 0.170 |
| 1427230000 | SVF 7.62HP/03/180SFMF2 SN BK BX | 0.170 |
| 1427240000 | SVF 7.62HP/03/180SFMF3 SN BK BX | 0.171 |
| 1427250000 | SVF 7.62HP/04/180SFMF2 SN BK BX | 0.170 |
| 1427260000 | SVF 7.62HP/04/180SFMF3 SN BK BX | 0.171 |
| 1427270000 | SVF 7.62HP/04/180SFMF4 SN BK BX | 0.171 |
| 1427500000 | CS1,6R18-16 SN I2,5 | L16 |
| 1427600000 | CS1,6E18-16 SN I2,5 | L16 |
| 1427700000 | CSL1,6E18-16 SN I2,5 | L.16 |
| 1427800000 | CB1,6R18-16 SN I2,5 | L.16 |
| 1427900000 | CB1,6E18-16 SN I2,5 | L.16 |
| 1428500000 | CS1,6R14-12 AU,75 I3,5 | L16 |
| 1428600000 | CS1,6E14-12 AU,75 I3,5 | L16 |
| 1428700000 | CSL1,6E14-12 AU,75 I3,5 | L.16 |
| 1428800000 | CB1,6R14-12 AU,75 I3,5 | L.16 |
| 1428900000 | CB1,6E14-12 AU,75 I3,5 | L.16 |
| 1429500000 | CS1,6R14-12 SN I3,5 | L.16 |
| 1429600000 | CS1,6E14-12 SN I3,5 | L.16 |
| 1429700000 | CSL1,6E14-12 SN I3,5 | L.16 |
| 1429800000 | CB1,6R14-12 SN I3,5 | L16 |
| 1429900000 | CB1,6E14-12 SN I3,5 | L.16 |
| 1429920000 | SVF 7.62HP/02/180SFBMF2 SN BK BX | 0.172 |
| 1429930000 | SVF 7.62HP/03/180SFBMF2 SN BK BX | 0.172 |
| 1429940000 | SVF 7.62HP/03/180SFBMF3 SN BK BX | 0.173 |
| 1429950000 | SVF 7.62HP/04/180SFBMF2 SN BK BX | 0.172 |
| 1429960000 | SVF 7.62HP/04/180SFBMF3 SN BK BX | 0.173 |
| 1429970000 | SVF 7.62HP/04/180SFBMF4 SN BK BX | 0.173 |

| 1430010000 | SVF 7.62HP/04/180MF2 SN BK BX | 0.166 |
|------------|--------------------------------|-------|
| 1430020000 | SVF 7.62HP/05/180MF2 SN BK BX | 0.166 |
| 1430030000 | SVF 7.62HP/04/180MF4 SN BK BX | 0.167 |
| 1430060000 | SVF 7.62HP/04/180MSF2 SN BK BX | 0.168 |
| 1430070000 | SVF 7.62HP/05/180MSF2 SN BK BX | 0.168 |
| 1430080000 | SVF 7.62HP/04/180MSF4 SN BK BX | 0.169 |
| 1430090000 | BVF 7.62HP/04/180MSF2 SN BK BX | 0.188 |
| 1430100000 | BVF 7.62HP/05/180MSF2 SN BK BX | 0.188 |
| 1430110000 | BVF 7.62HP/04/180MSF4 SN BK BX | 0.189 |
| 1430120000 | BVF 7.62HP/04/180MF2 SN BK BX | 0.186 |
| 1430130000 | BVF 7.62HP/05/180MF2 SN BK BX | 0.186 |
| 1430140000 | BVF 7.62HP/04/180MF4 SN BK BX | 0.187 |
| 1432860000 | CH20M22 S PSCSC LGY 2018 | S.27 |
| 1433800000 | RJ45C5 T1D 3.3N4N TY | D.20 |
| 1433810000 | RJ45C5 T1V 3.2N4N TY | D.19 |
| 1433890000 | RJ45C5 S1D 2.7N4N RL | D.9 |
| 1433900000 | RJ45C5 S1V 2.7N4N RL | D.6 |
| 1433910000 | RJ45C6 T1U 2.7N4N TY | D.22 |
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| 1440 | 000000 | |
|------------|---------------------------|-------|
| 1440200000 | RSV1,6 LB4 GR 3,2 AU | L12 |
| 1440300000 | RSV1,6 LB4 GR 3,2 SN | L8 |
| 1440400000 | RSV1.6 LS4 GR 3.2 AU | L10 |
| 1440500000 | RSV1,6 LS4 GR 3,2 SN | LE |
| 1440600000 | RSV1,6 LBF4 GR 3,2 AU | L13 |
| 1440700000 | RSV1,6 LBF4 GR 3,2 SN | LS |
| 1440800000 | RSV1,6 LSF4 GR 3,2 AU | L11 |
| 1440850000 | SVF/BVF 7.62HP COUPLE SET | 0.170 |
| 1440850000 | SVF/BVF 7.62HP COUPLE SET | 0.172 |
| 1440850000 | SVF/BVF 7.62HP COUPLE SET | 0.186 |
| 1440850000 | SVF/BVF 7.62HP COUPLE SET | 0.188 |
| 1440850000 | SVF/BVF 7.62HP COUPLE SET | 0.192 |
| 1440850000 | SVF/BVF 7.62HP COUPLE SET | R.2 |
| 1440900000 | RSV1,6 LSF4 GR 3,2 SN | L) |
| 1441200000 | RSV1,6 LB6 GR 3,2 AU | L12 |
| 1441300000 | RSV1,6 LB6 GR 3,2 SN | L |
| 1441400000 | RSV1,6 LS6 GR 3,2 AU | L10 |
| 1441500000 | RSV1,6 LS6 GR 3,2 SN | LE |
| 1441600000 | RSV1,6 LBF6 GR 3,2 AU | L13 |
| 1441700000 | RSV1,6 LBF6 GR 3,2 SN | LS |
| 1441800000 | RSV1,6 LSF6 GR 3,2 AU | L1 |
| 1441900000 | RSV1,6 LSF6 GR 3,2 SN | L7 |
| 1442200000 | RSV1,6 LB9 GR 3,2 AU | L12 |
| 1442300000 | RSV1,6 LB9 GR 3,2 SN | LE |
| 1442400000 | RSV1,6 LS9 GR 3,2 AU | L10 |
| 1442500000 | RSV1,6 LS9 GR 3,2 SN | LE |
| 1442600000 | RSV1,6 LBF9 GR 3,2 AU | L13 |
| 1442700000 | RSV1,6 LBF9 GR 3,2 SN | LS |
| 1442800000 | RSV1,6 LSF9 GR 3,2 AU | L11 |
| 1442900000 | RSV1,6 LSF9 GR 3,2 SN | L |
| 1443200000 | RSV1,6 LB12 GR 3,2 AU | L12 |
| 1443300000 | RSV1,6 LB12 GR 3,2 SN | L8 |
| 1443400000 | RSV1,6 LS12 GR 3,2 AU | L10 |
| 1443500000 | RSV1,6 LS12 GR 3,2 SN | L |
| 1443600000 | RSV1,6 LBF12 GR 3,2 AU | L13 |
| 1443700000 | RSV1,6 LBF12 GR 3,2 SN | LS |
| 1443800000 | RSV1,6 LSF12 GR 3,2 AU | L11 |

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| 1443900000 | RSV1,6 LSF12 GR 3,2 SN | L.7 |
| 1444200000 | RSV1,6 LB18 GR 3,2 AU | L12 |
| 1444300000 | RSV1,6 LB18 GR 3,2 SN | L.8 |
| 1444330000 | CH20M45 S 3P/3P LGY 2018 | S.29 |
| 1444400000 | RSV1,6 LS18 GR 3,2 AU | L.10 |
| 1444500000 | RSV1,6 LS18 GR 3,2 SN | L.6 |
| 1444600000 | RSV1,6 LBF18 GR 3,2 AU | L.13 |
| 1444700000 | RSV1,6 LBF18 GR 3,2 SN | L.9 |
| 1444800000 | RSV1,6 LSF18 GR 3,2 AU | L11 |
| 1444900000 | RSV1,6 LSF18 GR 3,2 SN | L.7 |
| 1445200000 | RSV1,6 LB24 GR 3,2 AU | L.12 |
| 1445300000 | RSV1,6 LB24 GR 3,2 SN | L.8 |
| 1445400000 | RSV1,6 LS24 GR 3,2 AU | L.10 |
| 1445500000 | RSV1,6 LS24 GR 3,2 SN | L.6 |
| 1445600000 | RSV1,6 LBF24 GR 3,2 AU | L.13 |
| 1445700000 | RSV1,6 LBF24 GR 3,2 SN | L.9 |
| 1445800000 | RSV1,6 LSF24 GR 3,2 AU | L11 |
| 1445900000 | RSV1,6 LSF24 GR 3,2 SN | L.7 |
| 1446060000 | SLA BB8 RH OR | K.92 |
| 1446060000 | SLA BB8 RH OR | K.93 |
| 1446200000 | RSV1,6 LB36 GR 3,2 AU | L.12 |
| 1446300000 | RSV1,6 LB36 GR 3,2 SN | L.8 |
| 1446400000 | RSV1,6 LS36 GR 3,2 AU | L.10 |
| 1446500000 | RSV1,6 LS36 GR 3,2 SN | L.6 |
| 1446600000 | RSV1,6 LBF36 GR 3,2 AU | L.13 |
| 1446700000 | RSV1,6 LBF36 GR 3,2 SN | L.9 |
| 1446800000 | RSV1,6 LSF36 GR 3,2 AU | L11 |
| 1446900000 | RSV1,6 LSF36 GR 3,2 SN | L.7 |

| 1451120000 | CH20M22 S PSCSC GGY 2019 | S.27 |
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| 1455220000 | RJ45C5E S1U 0.9N4N RL | D.10 |
| 1455240000 | RJ45C5 T1U 2.8N4N TY | D.23 |
| 1455770000 | CH20M67 S 3P/3P/3P GGY 2019 | S.31 |

| 1464270000 | SV 7.62HP/04/90MF2 3.5SN BK BX | 0.150 |
|------------|---------------------------------|-------|
| 1464280000 | SV 7.62HP/05/90MF2 3.5SN BK BX | 0.150 |
| 1464290000 | SV 7.62HP/04/90MF4 3.5SN BK BX | 0.151 |
| 1464310000 | SV 7.62HP/04/180MF2 3.5SN BK BX | 0.154 |
| 1464320000 | SV 7.62HP/05/180MF2 3.5SN BK BX | 0.154 |
| 1464330000 | SV 7.62HP/04/180MF4 3.5SN BK BX | 0.155 |
| 1464340000 | SV 7.62HP/04/270MF2 3.5SN BK BX | 0.158 |
| 1464350000 | SV 7.62HP/05/270MF2 3.5SN BK BX | 0.158 |
| 1464360000 | SV 7.62HP/04/270MF4 3.5SN BK BX | 0.159 |
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| 1470700000 | CH20M22 S RPP LGY 2018 | S.27 |
|------------|--------------------------------|-------|
| 1472240000 | SL 7.62HP/02/270G 3.2SN BK BX | 0.112 |
| 1472250000 | SL 7.62HP/03/270G 3.2SN BK BX | 0.112 |
| 1472260000 | SL 7.62HP/04/270G 3.2SN BK BX | 0.112 |
| 1472270000 | SL 7.62HP/05/270G 3.2SN BK BX | 0.112 |
| 1472280000 | SL 7.62HP/06/270G 3.2SN BK BX | 0.112 |
| 1472290000 | SL 7.62HP/07/270G 3.2SN BK BX | 0.112 |
| 1472310000 | SL 7.62HP/08/270G 3.2SN BK BX | 0.112 |
| 1472320000 | SL 7.62HP/09/270G 3.2SN BK BX | 0.112 |
| 1472330000 | SL 7.62HP/10/270G 3.2SN BK BX | 0.112 |
| 1472340000 | SL 7.62HP/11/270G 3.2SN BK BX | 0.112 |
| 1472350000 | SL 7.62HP/12/270G 3.2SN BK BX | 0.112 |
| 1472360000 | SL 7.62HP/02/270LF 3.2SN BK BX | 0.113 |
| 1472370000 | SL 7.62HP/03/270LF 3.2SN BK BX | 0.113 |
| 1472380000 | SL 7.62HP/04/270LF 3.2SN BK BX | 0.113 |
| 1472390000 | SL 7.62HP/05/270LF 3.2SN BK BX | 0.113 |
| 1472410000 | SL 7.62HP/06/270LF 3.2SN BK BX | 0.113 |
| 1472420000 | SL 7.62HP/07/270LF 3.2SN BK BX | 0.113 |
| 1472430000 | SL 7.62HP/08/270LF 3.2SN BK BX | 0.113 |
| 1472440000 | SL 7.62HP/09/270LF 3.2SN BK BX | 0.113 |
| 1472450000 | SL 7.62HP/10/270LF 3.2SN BK BX | 0.113 |
| 1472460000 | SL 7.62HP/11/270LF 3.2SN BK BX | 0.113 |
| 1472470000 | SL 7.62HP/12/270LF 3.2SN BK BX | 0.113 |
| 1472800000 | CH20M22 B FE AGY/BK 3747 | S.26 |
| 1472810000 | CH20M22 FC AGY 3747 | S.26 |
| 1472820000 | CH20M22 S RPP AGY 3747 | S.27 |
| 1473310000 | LSF-SMD 3.50/02/135 SN BK RL | F.83 |
| 1473320000 | LSF-SMD 3.50/03/135 SN BK RL | F.83 |
| 1473330000 | LSF-SMD 3.50/04/135 SN BK RL | F.83 |
| 1473340000 | LSF-SMD 3.50/05/135 SN BK RL | F.83 |
| 1473350000 | LSF-SMD 3.50/06/135 SN BK RL | F.83 |
| 1473370000 | LSF-SMD 3.50/07/135 SN BK RL | F.83 |
| 1473380000 | LSF-SMD 3.50/08/135 SN BK RL | F.83 |
| 1473390000 | LSF-SMD 3.50/09/135 SN BK RL | F.83 |
| 1473410000 | LSF-SMD 3.50/10/135 SN BK RL | F.83 |
| 1473420000 | LSF-SMD 3.50/11/135 SN BK RL | F.83 |
| 1473430000 | LSF-SMD 3.50/12/135 SN BK RL | F.83 |
| 1473510000 | LSF-SMD 3.50/04/90 SN BK RL | F.82 |
| 1473520000 | LSF-SMD 3.50/05/90 SN BK RL | F.82 |
| 1473530000 | LSF-SMD 3.50/06/90 SN BK RL | F.82 |
| 1473540000 | LSF-SMD 3.50/07/90 SN BK RL | F.82 |
| 1473550000 | LSF-SMD 3.50/08/90 SN BK RL | F.82 |
| 1473560000 | LSF-SMD 5.00/02/180 SN BK RL | F.85 |
| 1473570000 | LSF-SMD 3.50/09/90 SN BK RL | F.82 |
| 1473580000 | LSF-SMD 5.00/03/180 SN BK RL | F.85 |
| 1473590000 | LSF-SMD 3.50/10/90 SN BK RL | F.82 |
| 1473610000 | LSF-SMD 5.00/04/180 SN BK RL | F.85 |
| 1473620000 | LSF-SMD 3.50/11/90 SN BK RL | F.82 |
| 1473640000 | LSF-SMD 5.00/05/180 SN BK RL | F.85 |
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| 1473650000 | LSF-SMD 3.50/12/90 SN BK RL | F.82 |
| 1473660000 | LSF-SMD 5.00/06/180 SN BK RL | F.85 |
| 1473670000 | LSF-SMD 5.00/07/180 SN BK RL | F.85 |
| 1473680000 | LSF-SMD 5.00/08/180 SN BK RL | F.85 |
| 1473690000 | LSF-SMD 5.00/02/135 SN BK RL | F.85 |
| 1473700000 | LSF-SMD 5.00/03/135 SN BK RL | F.85 |
| 1473710000 | LSF-SMD 5.00/04/135 SN BK RL | F.85 |
| 1473720000 | LSF-SMD 5.00/05/135 SN BK RL | F.85 |
| 1473740000 | LSF-SMD 5.00/06/135 SN BK RL | F.85 |
| 1473750000 | LSF-SMD 5.00/07/135 SN BK RL | F.85 |
| 1473760000 | LSF-SMD 5.00/08/135 SN BK RL | F.85 |
| 1473770000 | LSF-SMD 5.00/02/90 SN BK RL | F.84 |
| 1473780000 | LSF-SMD 5.00/03/90 SN BK RL | F.84 |
| 1473790000 | LSF-SMD 5.00/04/90 SN BK RL | F.84 |
| 1473800000 | LSF-SMD 5.00/05/90 SN BK RL | F.84 |
| 1473810000 | LSF-SMD 5.00/06/90 SN BK RL | F.84 |
| 1473820000 | LSF-SMD 5.00/07/90 SN BK RL | F.84 |
| 1473830000 | LSF-SMD 5.00/08/90 SN BK RL | F.84 |
| 1473840000 | LSF-SMD 7.50/02/180 SN BK RL | F.87 |
| 1473850000 | LSF-SMD 7.50/03/180 SN BK RL | F.87 |
| 1473860000 | LSF-SMD 7.50/04/180 SN BK RL | F.87 |
| 1473870000 | LSF-SMD 7.50/05/180 SN BK RL | F.87 |
| 1473880000 | LSF-SMD 7.50/06/180 SN BK RL | F.87 |
| 1473890000 | LSF-SMD 7.50/02/135 SN BK RL | F.87 |
| 1473900000 | LSF-SMD 7.50/03/135 SN BK RL | F.87 |
| 1473910000 | LSF-SMD 7.50/04/135 SN BK RL | F.87 |
| 1473920000 | LSF-SMD 7.50/05/135 SN BK RL | F.87 |
| 1473930000 | LSF-SMD 7.50/06/135 SN BK RL | F.87 |
| 1473940000 | LSF-SMD 7.50/02/90 SN BK RL | F.86 |
| 1473950000 | LSF-SMD 7.50/03/90 SN BK RL | F.86 |
| 1473960000 | LSF-SMD 7.50/04/90 SN BK RL | F.86 |
| 1473970000 | LSF-SMD 7.50/05/90 SN BK RL | F.86 |
| 1473980000 | LSF-SMD 7.50/06/90 SN BK RL | F.86 |
| 1476000000 | CH20M45 B BUS BK/BK 2010 | S.28 |
| 1476910000 | CH20M45 S 2PSC/2PSC BL 2013 | \$.29 |

| 1480000000 | DFFC 0.5-1.0 SN 3000 | K.11 |
|------------|--------------------------|------|
| 1480100000 | DFFC 1.5-2.5 SN 2500 | K.11 |
| 1482830000 | CH20M45 S 3P/3P TYL 2083 | S.2 |
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| 1490820000 | CH20M67 B BUS BK/BK 2010 | \$.30 |
|------------|----------------------------|-------|
| 1497500000 | BHF 5.00/04/180LH BK/BK | S.37 |
| 1497670000 | BHF 5.00/03/180LH BK/BK | S.37 |
| 1497740000 | BHF 5.00/02/180LH BK/BK | S.37 |
| 1499560000 | BLT 5.08HC/02/180 SN OR BX | K.104 |
| 1499660000 | BLT 5.08HC/03/180 SN OR BX | K.104 |
| 1499760000 | BLT 5.08HC/04/180 SN OR BX | K.104 |
| 1499860000 | BLT 5.08HC/05/180 SN OR BX | K.104 |
| 1499960000 | BLT 5.08HC/06/180 SN OR BX | K.104 |
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| 1500040000 | CH20M45 S RPSC/2PSC BK 2010 | S.2 |
|------------|-----------------------------|------|
| 1500050000 | CH20M45 S 2PSC/RUSC BK 2010 | S.2 |
| 1500060000 | BLT 5.08HC/07/180 SN OR BX | K.10 |
| 1500160000 | BLT 5.08HC/08/180 SN OR BX | K.10 |
| 1500260000 | BLT 5.08HC/09/180 SN OR BX | K.10 |
| 1500360000 | BLT 5.08HC/10/180 SN OR BX | K.10 |
| 1500460000 | BLT 5.08HC/11/180 SN OR BX | K.10 |
| 1500560000 | BLT 5.08HC/12/180 SN OR BX | K.10 |
| 1504790000 | AP 90 GN 2043 | S.5 |
| 1505730000 | PF RS 90 GN 2000MM | \$.5 |
| | | |

| 1523940000 | SVD 7.62HP/04/270F 3.2SN BK BX | 0.16 |
|------------|--------------------------------|------|
| 1523950000 | SVD 7.62HP/06/270F 3.2SN BK BX | 0.16 |
| 1523970000 | SVD 7.62HP/08/270F 3.2SN BK BX | 0.16 |
| 1523980000 | SVD 7.62HP/10/270F 3.2SN BK BX | 0.16 |
| 1523990000 | SVD 7.62HP/12/270F 3.2SN BK BX | 0.16 |
| 1527930000 | ZQV 4N/2 | S.4 |
| 1527930000 | ZQV 4N/2 | S.4 |
| 1528040000 | ZQV 4N/2 BL | S.4 |
| 1528040000 | ZQV 4N/2 BL | S.4 |
| 1529520000 | CH20M17 S PPP LGY 2018 | S.2 |
| 1529530000 | CH20M17 FLGY 2018 | S 2 |

| 1530990000 | BL 3.50/02/180LR SN OR BX | 1.48 |
|------------|---------------------------------------|------|
| 1531000000 | BL 3.50/03/180LR SN OR BX | 1.49 |
| 1531010000 | BL 3.50/04/180LR SN OR BX | 1.49 |
| 1531020000 | BL 3.50/05/180LR SN OR BX | 1.49 |
| 1531030000 | BL 3.50/06/180LR SN OR BX | 1.49 |
| 1531040000 | BL 3.50/07/180LR SN OR BX | 1.49 |
| 1531050000 | BL 3.50/08/180LR SN OR BX | 1.49 |
| 1531070000 | BL 3.50/09/180LR SN OR BX | 1.49 |
| 1531080000 | BL 3.50/10/180LR SN OR BX | 1.49 |
| 1531090000 | BL 3.50/11/180LR SN OR BX | 1.49 |
| 1531100000 | BL 3.50/12/180LR SN OR BX | 1.49 |
| 1531180000 | BL-I/O 3.50/10/180LR SN BK BX | 1.55 |
| 1531190000 | BL-I/O 3.50/10/180LR PNP LED SN BK BX | 1.57 |
| 1531200000 | BL-I/O 3.50/10/180LR NPN LED SN BK BX | 1.59 |
| | | |

| 543090000 | SV 7.62HP/06/90MF2 3.5SN BK BX | 0.150 |
|------------------------|---------------------------------------------------------------------|-------|
| 543120000 | SV 7.62HP/06/90MF3 3.5SN BK BX | 0.151 |
| 543190000 | SV 7.62HP/06/180MF2 3.5SN BK BX | 0.154 |
| 543210000 | SV 7.62HP/06/180MF3 3.5SN BK BX | 0.155 |
| 543250000 | SV 7.62HP/06/270MF2 3.5SN BK BX | 0.158 |
| 543260000 | SV 7.62HP/06/270MF3 3.5SN BK BX SVD 7.62HP/04/270G 3.2SN BK BX | 0.159 |
| 543290000 543310000 | SVD 7.62HP/06/270G 3.2SN BK BX | 0.160 |
| 543320000 | SVD 7.62HP/08/270G 3.2SN BK BX | 0.160 |
| 543330000 | SVD 7.62HP/10/270G 3.2SN BK BX | 0.160 |
| 543340000 | SVD 7.62HP/12/270G 3.2SN BK BX | 0.160 |
| 544520000 | CH20M17 B BL/BK 2013 | S.24 |
| 545130000 | CH20M22 B AGY/BK 3747 | S.26 |
| 545710000 | BLZ/SL KO BK BX | K.22 |
| 545710000 | BLZ/SL KO BK BX | K.24 |
| 545710000 | BLZ/SL KO BK BX | K.26 |
| 545710000 | BLZ/SL KO BK BX | K.28 |
| 545710000 | BLZ/SL KO BK BX | K.30 |
| 545710000 | BLZ/SL KO BK BX | K.32 |
| 545710000 | BLZ/SL KO BK BX | K.34 |
| 545710000 | BLZ/SL KO BK BX | K.36 |
| 545710000 | BLZ/SL KO BK BX | K.38 |
| 545710000 545710000 | BLZ/SL KO BK BX BLZ/SL KO BK BX | K.40 |
| 545710000 | BLZ/SL KO BK BX | K.44 |
| 545710000 | BLZ/SL KO BK BX | K.46 |
| 545710000 | BLZ/SL KO BK BX | K.48 |
| 545710000 | BLZ/SL KO BK BX | K.50 |
| 545710000 | BLZ/SL KO BK BX | K.52 |
| 545710000 | BLZ/SL KO BK BX | K.54 |
| 545710000 | BLZ/SL KO BK BX | K.56 |
| 545710000 | BLZ/SL KO BK BX | K.58 |
| 545710000 | BLZ/SL KO BK BX | K.60 |
| 545710000 | BLZ/SL KO BK BX | K.62 |
| 545710000 | BLZ/SL KO BK BX | K.64 |
| 545710000 | BLZ/SL KO BK BX | K.66 |
| 545710000 | BLZ/SL KO BK BX | K.68 |
| 545710000 | BLZ/SL KO BK BX | K.70 |
| 545710000 | BLZ/SL KO BK BX | K.72 |
| 545710000 | BLZ/SL KO BK BX | K.74 |
| 545710000 545710000 | BLZ/SL KO BK BX BLZ/SL KO BK BX | K.78 |
| 545710000 | BLZ/SL KO BK BX | K.80 |
| 545710000 | BLZ/SL KO BK BX | K.82 |
| 545710000 | BLZ/SL KO BK BX | K.84 |
| 545710000 | BLZ/SL KO BK BX | K.86 |
| 545710000 | BLZ/SL KO BK BX | K.88 |
| 545710000 | BLZ/SL KO BK BX | K.90 |
| 545710000 | BLZ/SL KO BK BX | K.92 |
| 545710000 | BLZ/SL KO BK BX | K.93 |
| 545710000 | BLZ/SL KO BK BX | K.94 |
| 545710000 | BLZ/SL KO BK BX | K.96 |
| 545710000 | BLZ/SL KO BK BX | K.98 |
| 545710000 | BLZ/SL KO BK BX | K.100 |
| 545710000 | BLZ/SL KO BK BX | K.102 |
| 545710000 | BLZ/SL KO BK BX | K.104 |
| 545710000 545710000 | BLZ/SL KO BK BX BLZ/SL KO BK BX | K.108 |
| 545710000 | BLZ/SL KO BK BX | K.110 |
| 545710000 | BLZ/SL KO BK BX | K.112 |
| 545710000 | BLZ/SL KO BK BX | K.114 |
| 545710000 | BLZ/SL KO BK BX | K.116 |
| 545710000 | BLZ/SL KO BK BX | K.118 |
| 545710000 | BLZ/SL KO BK BX | K.120 |
| 545710000 | BLZ/SL KO BK BX | M.11 |
| 545710000 | BLZ/SL KO BK BX | 0.64 |
| 545710000 | BLZ/SL KO BK BX | 0.66 |
| 545710000 | BLZ/SL KO BK BX | 0.108 |
| 545710000 | BLZ/SL KO BK BX | 0.110 |
| 545710000 | BLZ/SL KO BK BX | 0.112 |
| 545710000 | BLZ/SL KO BK BX | 0.120 |
| 547520000 | BVFL 7.62HP/04/180 SN BK BX | 0.190 |
| 547530000 | BVFL 7.62HP/04/180F SN BK BX | 0.191 |
| 547540000 | BVFL 7.62HP/04/180MF3 SN BK BX | 0.193 |
| 547550000 | SVFL 7.62HP/04/180G SN BK BX | 0.174 |
| 547560000 547570000 | BVFL 7.62HP/04/180 BCF/04R SN BK BX SVFL 7.62HP/04/180F SN BK BX | 0.44 |
| 547580000 | SVFL 7.62HP/04/180MF3 SN BK BX | 0.173 |
| 547590000 | BVFL 7.62HP/04/180MF4 BCF/04R SN BK BX | 0.177 |
| 547600000 | BVFL 7.62HP/04/180MSF4 BCF/04R SN BK BX | 0.53 |
| 549730000 | USB3.0A R1V 3.0N2 TY BL | E.11 |
| | | |
| | 000000 | |

| 1563000000 | RSV1,6 ZE36 BK BX | L.14 |
|------------|-------------------|------|
| 1563000000 | RSV1,6 ZE36 BK BX | M.2 |
| 1563100000 | RSV1,6 ZE24 BK BX | L.14 |
| 1563100000 | RSV1,6 ZE24 BK BX | M.2 |
| 1563200000 | RSV1,6 ZE18 BK BX | L.14 |
| 1563200000 | RSV1,6 ZE18 BK BX | M.2 |
| 1563300000 | RSV1,6 ZE12 BK BX | L.14 |
| 1563300000 | RSV1,6 ZE12 BK BX | M.2 |
| 1563400000 | RSV1,6 ZE09 BK BX | L.14 |
| 1563400000 | RSV1,6 ZE09 BK BX | M.2 |
| 1563500000 | RSV1,6 ZE06 BK BX | L.14 |
| 1563500000 | RSV1,6 ZE06 BK BX | M.2 |
| 1563600000 | RSV1,6 ZE04 BK BX | L.14 |
| | | |

Weidmüller № x.27



| Order No. | Туре | Page | Order No. Type | Page | Order No. Type | Page | Order No. Type Page |
|--------------------------|--------------------------------------------------------|----------------|----------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1563600000 | RSV1,6 ZE04 BK BX | M.2 | 1580000000 | | 1582970000 RSV1,6 RF36/35X7.5 SW | M.3 | 160000000 |
| 1565760000 | CSL1,6R14-12 AU,75 I3,5 | L16 | | | 450000000 | | |
| 1565780000 1565790000 | | L16 | 1580100000 SLFLA 1.5/1 1580100000 SLFLA 1.5/1 | K.22 K.24 | 1590000000 | | 1601790000 SLD 5.08/04/90G 3.2SN OR BX K.78 1601800000 SLD 5.08/06/90G 3.2SN OR BX K.78 |
| 1565810000 | CSL1,6R18-16 SN I2,5 | L.16 | 1580100000 SL FLA 1.5/1 | K.32 | 1593450000 SLA BB12R OR | M.6 | 1601810000 SLD 5.08/08/90G 3.2SN OR BX K.78 |
| 1565820000 1565840000 | | L16 | 1580100000 SLFLA 1.5/1 1580100000 SLFLA 1.5/1 | K.50 K.52 | 1594200000 SLA BB14 0R 1594200000 SLA BB14 0R | K.76 M.7 | 1601820000 SLD 5.08/10/90G 3.2SN 0R BX K.78 1601830000 SLD 5.08/12/90G 3.2SN 0R BX K.78 |
| 1565850000 | CSL1,6R22-20 AU,75 I1,8 | L.16 | 1580100000 SL FLA 1.5/1 | K.54 | 1597210000 SL 3.50/02/90 3.2SN OR BX | 1.36 | 1601840000 SLD 5.08/14/90G 3.2SN OR BX K.78 |
| 1565870000 1565880000 | | L16 | 1580100000 SLFLA 1.5/1 1580100000 SLFLA 1.5/1 | K.68 K.70 | 1597220000 SL 3.50/03/90 3.2SN OR BX 1597230000 SL 3.50/04/90 3.2SN OR BX | 1.36 | 1601850000 SLD 5.08/16/90G 3.2SN OR BX K.78 1601860000 SLD 5.08/18/90G 3.2SN OR BX K.78 |
| 1565900000 | CSL1,6R26-24 SN I1,4 | L16 | 1580100000 SEFEA 1.5/1 | M.9 | 1597240000 SL 3.50/05/90 3.2SN OR BX | 1.36 | 1601870000 SLD 5.08/20/90G 3.2SN OR BX K.78 |
| 1567060000 1567070000 | DFFC 0.5-1.0 SN E DFFC 1.5-2.5 SN E | K.116 K.116 | 1580110000 SL FLA 3.8/1 | K.22 | 1597250000 SL 3.50/06/90 3.2SN OR BX 1597260000 SL 3.50/07/90 3.2SN OR BX | 1.36 | 1601880000 SLD 5.08/22/90G 3.2SN OR BX K.78 |
| 1567430000 | RSV1,6 KO | L6 | 1580110000 SLFLA 3.8/1 1580110000 SLFLA 3.8/1 | K.24 K.32 | 1597270000 SL 3.50/08/90 3.25N OR BX | 1.36 | 1601890000 SLD 5.08/24/90G 3.2SN OR BX K.78 1602390000 SLD 5.08/04/180G 3.2SN OR BX K.79 |
| 1567430000 | | L8 | 1580110000 SL FLA 3.8/1 | K.50 | 1597280000 SL 3.50/09/90 3.2SN OR BX 1597290000 SL 3.50/10/90 3.2SN OR BX | 1.36 | 1602400000 SLD 5.08/06/180G 3.2SN OR BX K.79 |
| 1567430000 1567430000 | RSV1,6 K0 RSV1,6 K0 | L10 L12 | 1580110000 SL FLA 3.8/1 1580110000 SL FLA 3.8/1 | K.52 K.54 | 1597290000 SL 3.50/10/90 3.2SN OR BX 1597300000 SL 3.50/11/90 3.2SN OR BX | 1.36 | 1602410000 SLD 5.08/08/180G 3.2SN OR BX K.79 1602420000 SLD 5.08/10/180G 3.2SN OR BX K.79 |
| 1567430000 | | L14 | 1580110000 SL FLA 3.8/1 | K.68 | 1597310000 SL 3.50/12/90 3.2SN OR BX | 1.36 | 1602430000 SLD 5.08/12/180G 3.2SN OR BX K.79 |
| 1567430000 | RSV1,6 KU | M.11 | 1580110000 SL FLA 3.8/1 1580110000 SL FLA 3.8/1 | K.70 M.9 | 1597360000 BL 3.50/02/180 SN 0R BX 1597370000 BL 3.50/03/180 SN 0R BX | 1.48 | 1602440000 SLD 5.08/14/180G 3.2SN OR BX K.79 1602450000 SLD 5.08/16/180G 3.2SN OR BX K.79 |
| 1570 | 000000 | | 1580120000 SL FLA 9.0/1 | K.22 | 1597380000 BL 3.50/04/180 SN OR BX | 1.48 | 1602460000 SLD 5.08/18/180G 3.2SN OR BX K.79 |
| 1571110000 | SL 5.00/12/90 3.2SN OR BX | K.32 | 1580120000 SL FLA 9.0/1 1580120000 SL FLA 9.0/1 | K.24 K.32 | 1597390000 BL 3.50/05/180 SN OR BX 1597400000 BL 3.50/06/180 SN OR BX | 1.48 | 1602470000 SLD 5.08/20/180G 3.2SN OR BX K.79 1602480000 SLD 5.08/22/180G 3.2SN OR BX K.79 |
| 1571130000 | SL 5.00/02/90 3.2SN OR BX | K.32 | 1580120000 SLFLA 9.0/1 | K.50 | 1597410000 BL 3.50/07/180 SN OR BX | 1.48 | 1602490000 SLD 5.08/24/180G 3.2SN OR BX K.79 |
| 1571140000 1571150000 | SL 5.00/03/90 3.2SN OR BX SL 5.00/04/90 3.2SN OR BX | K.32 | 1580120000 SL FLA 9.0/1 | K.52 | 1597420000 BL 3.50/08/180 SN OR BX 1597430000 BL 3.50/09/180 SN OR BX | 1.48 | 1604120000 SLA BB11R OR K.32 |
| 1571160000 | SL 5.00/05/90 3.2SN OR BX | K.32 | 1580120000 SL FLA 9.0/1 1580120000 SL FLA 9.0/1 | K.54 K.68 | 1597440000 BL 3.50/10/180 SN OR BX | 1.48 | 1604120000 SLA BB11R OR K.34 1604120000 SLA BB11R OR K.68 |
| 1571170000 | SL 5.00/06/90 3.2SN OR BX | K.32 | 1580120000 SL FLA 9.0/1 | K.70 | 1597450000 BL 3.50/11/180 SN OR BX 1597460000 BL 3.50/12/180 SN OR BX | 1.48 | 1604120000 SLA BB11R OR K.72 |
| 1571180000 1571190000 | SL 5.00/07/90 3.2SN OR BX SL 5.00/08/90 3.2SN OR BX | K.32 | 1580120000 SL FLA 9.0/1 1580860000 SL 5.00/02/90B 3.2SN OR BX | M.9 K.33 | 1597460000 BL 3.50/12/180 SN OR BX 1597510000 SL 3.5 FLA 1.5/8 | 1.48 | 1604120000 SLA BB11R OR K.90 1604120000 SLA BB11R OR K.118 |
| 1571200000 | SL 5.00/09/90 3.2SN OR BX | K.32 | 1580870000 SL 5.00/03/90B 3.2SN OR BX | K.33 | 1597510000 SL 3.5 FLA 1.5/8 | 1.32 | 1604120000 SLA BB11R OR K.120 |
| 1571210000 1571220000 | SL 5.00/10/90 3.2SN OR BX SL 5.00/11/90 3.2SN OR BX | K.32 | 1580880000 SL 5.00/04/90B 3.2SN OR BX 1580890000 SL 5.00/05/90B 3.2SN OR BX | K.33 K.33 | 1597510000 SL 3.5 FLA 1.5/8 1597510000 SL 3.5 FLA 1.5/8 | I.36 M.8 | 1604120000 SLA BB11R OR M.6 1604230000 DFFC 0.22-0.35 SN 3000 K.116 |
| 1571720000 | SLA BB4 OR | K.92 | 1580900000 SL 5.00/06/90B 3.2SN OR BX | K.33 | 1597520000 SL 3.5 FLA 2.3/8 | 1.30 | 1604250000 DFFC 0.22-0.35 SN E K.116 |
| 1571720000 1573010000 | SLA BB4 OR BLZ/SL KO OR BX | K.93 K.22 | 1580910000 SL 5.00/07/90B 3.2SN 0R BX | K.33 | 1597520000 SL 3.5 FLA 2.3/8 1597520000 SL 3.5 FLA 2.3/8 | 1.32 | 1604470000 SL 3.50/02/180G 3.2SN OR BX I.39 |
| 1573010000 | BLZ/SL KO OR BX | K.24 | 1580920000 SL 5.00/08/90B 3.2SN OR BX 1580930000 SL 5.00/09/90B 3.2SN OR BX | K.33 K.33 | 1597520000 SL 3.5 FLA 2.3/8 | M.8 | 1604480000 SL 3.50/03/180G 3.2SN 0R BX L39 1604490000 SL 3.50/04/180G 3.2SN 0R BX L39 |
| 1573010000 | BLZ/SL KO OR BX | K.26 | 1580940000 SL 5.00/10/90B 3.2SN OR BX | K.33 | 1597530000 SL 3.5 FLA 4.0/8 | 1.30 | 1604500000 SL 3.50/05/180G 3.2SN OR BX I.39 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.28 K.30 | 1580950000 SL 5.00/11/90B 3.2SN OR BX 1580960000 SL 5.00/12/90B 3.2SN OR BX | K.33 K.33 | 1597530000 SL 3.5 FLA 4.0/8 1597530000 SL 3.5 FLA 4.0/8 | 1.32 | 1604510000 SL 3.50/06/180G 3.2SN 0R BX L39 1604520000 SL 3.50/07/180G 3.2SN 0R BX L39 |
| 1573010000 | BLZ/SL KO OR BX | K.32 | 1581320000 SL 5.00/02/180 3.2SN OR BX | K.34 | 1597530000 SL 3.5 FLA 4.0/8 | M.8 | 1604530000 SL 3.50/08/180G 3.2SN OR BX I.39 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.34 K.36 | 1581330000 SL 5.00/03/180 3.2SN OR BX 1581340000 SL 5.00/04/180 3.2SN OR BX | K.34 | 1597630000 SL 3.5 FLA 1.5/1.75/8 1597630000 SL 3.5 FLA 1.5/1.75/8 | 1.30 | 1604540000 SL 3.50/09/180G 3.2SN 0R BX 1.39 1604550000 SL 3.50/10/180G 3.2SN 0R BX 1.39 |
| 1573010000 | BLZ/SL KO OR BX | K.38 | 1581340000 SL 5.00/04/180 3.2SN OR BX 1581350000 SL 5.00/05/180 3.2SN OR BX | K.34 K.34 | 1597630000 SL 3.5 FLA 1.5/1.75/8 | 1.36 | 1604550000 SL 3.50/10/180G 3.2SN OR BX L39 1604560000 SL 3.50/11/180G 3.2SN OR BX L39 |
| 1573010000 | BLZ/SL KO OR BX | K.40 | 1581360000 SL 5.00/06/180 3.2SN OR BX | K.34 | 1597630000 SL 3.5 FLA 1.5/1.75/8 | M.8 | 1604570000 SL 3.50/12/180G 3.2SN OR BX I.39 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.42 K.44 | 1581370000 SL 5.00/07/180 3.2SN OR BX 1581380000 SL 5.00/08/180 3.2SN OR BX | K.34 K.34 | 1597640000 SL 3.5 FLA 2.3/1.75/8 1597640000 SL 3.5 FLA 2.3/1.75/8 | 1.30 | 1604770000 SL 3.50/02/180 3.2SN 0R BX L38 1604780000 SL 3.50/03/180 3.2SN 0R BX L38 |
| 1573010000 | BLZ/SL KO OR BX | K.46 | 1581390000 SL 5.00/09/180 3.2SN OR BX | K.34 | 1597640000 SL 3.5 FLA 2.3/1.75/8 | 1.36 | 1604790000 SL 3.50/04/180 3.2SN OR BX I.38 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.48 K.50 | 1581400000 SL 5.00/10/180 3.2SN OR BX 1581410000 SL 5.00/11/180 3.2SN OR BX | K.34 K.34 | 1597640000 SL 3.5 FLA 2.3/1.75/8 1597650000 SL 3.5 FLA 4.0/1.75/8 | M.8 1.30 | 1604800000 SL 3.50/05/180 3.2SN 0R BX L38 1604810000 SL 3.50/06/180 3.2SN 0R BX L38 |
| 1573010000 | BLZ/SL KO OR BX | K.52 | 1581420000 SL 5.00/11/180 3.25N OR BX | K.34 | 1597650000 SL 3.5 FLA 4.0/1.75/8 | 1.32 | 1604810000 SL 3.50/00/180 3.25N OR BX L.38 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.54 K.56 | 1581780000 SL 5.00/02/180B 3.2SN 0R BX | K.35 | 1597650000 SL 3.5 FLA 4.0/1.75/8 1597650000 SL 3.5 FLA 4.0/1.75/8 | 1.36 M.8 | 1604830000 SL 3.50/08/180 3.2SN OR BX I.38 |
| 1573010000 | BLZ/SL KO OR BX | K.58 | 1581790000 SL 5.00/03/180B 3.2SN OR BX 1581800000 SL 5.00/04/180B 3.2SN OR BX | K.35 K.35 | 1598300000 SLAT OR | K.22 | 1604840000 SL 3.50/09/180 3.2SN 0R BX 1.38 1604850000 SL 3.50/10/180 3.2SN 0R BX 1.38 |
| 1573010000 | BLZ/SL KO OR BX | K.60 | 1581810000 SL 5.00/05/180B 3.2SN OR BX | K.35 | 1598300000 SLATOR | K.24 | 1604860000 SL 3.50/11/180 3.2SN OR BX I.38 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.62 K.64 | 1581820000 SL 5.00/06/180B 3.2SN OR BX 1581830000 SL 5.00/07/180B 3.2SN OR BX | K.35 K.35 | 1598300000 SLAT OR 1598300000 SLAT OR | K.26 K.28 | 1604870000 SL 3.50/12/180 3.2SN OR BX L38 1605070000 SL 3.50/02/90G 3.2SN OR BX L37 |
| 1573010000 | BLZ/SL KO OR BX | K.66 | 1581840000 SL 5.00/08/180B 3.2SN OR BX | K.35 | 1598300000 SLAT OR | K.30 | 1605080000 SL 3.50/03/90G 3.2SN OR BX I.37 |
| 1573010000 1573010000 | | K.68 K.70 | 1581850000 SL 5.00/09/180B 3.2SN OR BX 1581860000 SL 5.00/10/180B 3.2SN OR BX | K.35 K.35 | 1598300000 SLATOR 1598300000 SLATOR | K.32 K.34 | 1605090000 SL 3.50/04/90G 3.2SN 0R BX 1.37 1605100000 SL 3.50/05/90G 3.2SN 0R BX 1.37 |
| | BLZ/SL KO OR BX | K.72 | 1581870000 SL 5.00/11/180B 3.2SN OR BX | K.35 | 1598300000 SLATOR | K.36 | 1605100000 SE3.50/06/90G 3.2SN 0R BX I.37 |
| | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.74 K.76 | 1581880000 SL 5.00/12/180B 3.2SN OR BX | K.35 | 1598300000 SLAT OR 1598300000 SLAT OR | K.38 K.50 | 1605120000 SL 3.50/07/90G 3.2SN 0R BX I.37 1605130000 SL 3.50/08/90G 3.2SN 0R BX I.37 |
| 1573010000 | | K.78 | 1582250000 CS1,6E18-16 AU,75 I3,5 1582260000 CS1,6R18-16 AU,75 I3,5 | L16 L16 | 1598300000 SLATOR | K.52 | 1605130000 SL 3.50/08/90G 3.2SN 0R BX L.37 1605140000 SL 3.50/09/90G 3.2SN 0R BX L.37 |
| 1573010000 | BLZ/SL KO OR BX | K.80 K.82 | 1582270000 CS1,6E18-16 SN I3,5 | L16 | 1598300000 SLATOR | K.54 K.56 | 1605150000 SL 3.50/10/90G 3.2SN OR BX I.37 |
| | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.84 | 1582280000 CS1,6R18-16 SN I3,5 1582290000 CS1,6E14-12 AU,75 I4,2 | L16 L16 | 1598300000 SLAT OR 1598300000 SLAT OR | K.58 | 1605160000 SL 3.50/11/90G 3.2SN 0R BX L.37 1605170000 SL 3.50/12/90G 3.2SN 0R BX L.37 |
| 1573010000 | | K.86 | 1582300000 CS1,6R14-12 AU,75 I4,2 | L.16 | 1598300000 SLATOR | K.60 | 1606450000 SL 135 BB15R OR K.36 |
| 1573010000 1573010000 | | K.88 K.90 | 1582310000 CS1,6E14-12 SN I4,2 1582320000 CS1,6R14-12 SN I4,2 | L16 L16 | 1598300000 SLAT OR 1598300000 SLAT OR | K.62 K.64 | 1606450000 SL 135 BB15R OR M.7 1606640000 BL 3.50/02/180F SN OR BX I.49 |
| 1573010000 | BLZ/SL KO OR BX | K.92 | 1582330000 CSL1,6E18-16 AU,75 I3,5 | L.16 | 1598300000 SLAT OR | K.66 | 1606650000 BL 3.50/03/180F SN OR BX I.49 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.93 K.94 | 1582340000 CSL1,6R18-16 AU,75 I3,5 1582350000 CSL1,6E18-16 SN I3,5 | L16 L16 | 1598300000 SLAT OR 1598300000 SLAT OR | K.68 K.70 | 1606660000 BL 3.50/04/180F SN OR BX I.49 1606670000 BL 3.50/05/180F SN OR BX I.49 |
| 1573010000 | BLZ/SL KO OR BX | K.96 | 1582360000 CSL1,6R18-16 SN I3,5 | L16 | 1598300000 SLAT OR | K.72 | 1606680000 BL 3.50/06/180F SN OR BX 1.49 |
| 1573010000 1573010000 | | K.100 | 1582370000 CSL1,6E14-12 AU,75 I4,2 1582380000 CSL1,6R14-12 AU,75 I4,2 | L16 L16 | 1598300000 SLAT OR 1598300000 SLAT OR | K.74 K.76 | 1606690000 BL 3.50/07/180F SN OR BX I.49 1606700000 BL 3.50/08/180F SN OR BX I.49 |
| 1573010000 | BLZ/SL KO OR BX | K.102 | 1582390000 CSL1,6E14-12 A0,7314,2 | L16 | 1598300000 SLATOR | K.78 | 1606710000 BL 3.50/09/180F SN OR BX 1.49 |
| | BLZ/SL KO OR BX | K.104 K.106 | 1582400000 CSL1,6R14-12 SN I4,2 | L16 | 1598300000 SLAT OR 1598300000 SLAT OR | K.80 | 1606720000 BL 3.50/10/180F SN OR BX I.49 |
| 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.108 | 1582410000 CB1,6E18-16 AU,75 I3,5 1582420000 CB1,6R18-16 AU,75 I3,5 | L16 L16 | 1598300000 SLATOR | K.82 K.86 | 1606730000 BL 3.50/11/180F SN OR BX 1.49 1606740000 BL 3.50/12/180F SN OR BX 1.49 |
| 1573010000 | | K.110 | 1582430000 CB1,6E18-16 SN I3,5 | L16 | 1598300000 SLATOR | K.90 | 1607040000 SL 3.50/02/90F 3.2SN OR BX I.37 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.112 K.114 | 1582440000 CB1,6R18-16 SN I3,5 1582450000 CB1,6E14-12 AU,75 I4,2 | L16 L16 | 1598300000 SLAT OR 1598300000 SLAT OR | K.92 K.93 | 1607050000 SL 3.50/03/90F 3.2SN 0R BX L37 1607060000 SL 3.50/04/90F 3.2SN 0R BX L37 |
| 1573010000 | BLZ/SL KO OR BX | K.116 | 1582460000 CB1,6R14-12 AU,75 I4,2 | L.16 | 1598300000 SLAT OR | M.11 | 1607070000 SL 3.50/05/90F 3.2SN OR BX I.37 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | K.118 K.120 | 1582470000 CB1,6E14-12 SN I4,2 1582480000 CB1,6R14-12 SN I4,2 | L16 | 1599120000 SLDF VR BK 1599120000 SLDF VR BK | K.80 M.5 | 1607080000 SL 3.50/06/90F 3.2SN 0R BX 1.37 1607090000 SL 3.50/07/90F 3.2SN 0R BX 1.37 |
| 1573010000 | BLZ/SLKO OR BX | M.11 | 1582910000 RSV1,6 RF4/35X7.5 SW | L16 L14 | 1599130000 SLDF 5.08 L/F 2 SN OR BX | K.80 | 1.37 1607100000 SL 3.50/08/90F 3.2SN OR BX 1.37 |
| 1573010000 | | 0.64 | 1582910000 RSV1,6 RF4/35X7.5 SW | M.3 | 1599140000 SLDF 5.08 L/F 3 SN OR BX | K.80 | 1607110000 SL 3.50/09/90F 3.2SN OR BX I.37 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 0.66 | 1582920000 RSV1,6 RF6/35X7.5 SW 1582920000 RSV1,6 RF6/35X7.5 SW | L.14 M.3 | 1599150000 SLDF 5.08 L/F 4 SN OR BX 1599160000 SLDF 5.08 L/F 5 SN OR BX | K.80 K.80 | 1607120000 SL 3.50/10/90F 3.2SN 0R BX L37 1607130000 SL 3.50/11/90F 3.2SN 0R BX L37 |
| 1573010000 | BLZ/SL KO OR BX | 0.110 | 1582930000 RSV1,6 RF9/35X7.5 SW | L14 | 1599170000 SLDF 5.08 L/F 6 SN OR BX | K.80 | 1607140000 SL 3.50/12/90F 3.2SN OR BX I.37 |
| 1573010000 1573010000 | BLZ/SL KO OR BX BLZ/SL KO OR BX | 0.112 | 1582930000 RSV1,6 RF9/35X7.5 SW 1582940000 RSV1,6 RF12/35X7.5 SW | M.3 L.14 | 1599180000 SLDF 5.08 L/F 7 SN 0R BX 1599190000 SLDF 5.08 L/F 8 SN 0R BX | K.80 K.80 | 1607500000 SL 3.50/02/180F 3.2SN OR BX I.39 1607510000 SL 3.50/03/180F 3.2SN OR BX I.39 |
| 1577980000 | BLAT ZEO4 OR BX | K.104 | 1582940000 RSV1,6 RF12/35X7.5 SW | M.3 | 1599200000 SLDF 5.08 L/F 9 SN OR BX | K.80 | 1607520000 SL 3.50/04/180F 3.25N OR BX 1.39 |
| 1577980000 | BLAT ZEO4 OR BX BLAT ZEO8 OR BX | M.2 K.104 | 1582950000 RSV1,6 RF18/35X7.5 SW | L14 | 1599210000 SLDF 5.08 L/F 10 SN 0R BX 1599220000 SLDF 5.08 L/F 11 SN 0R BX | K.80 K.80 | 1607530000 SL 3.50/05/180F 3.2SN 0R BX I.39 |
| | BLAT ZEOS OR BX | M.2 | 1582950000 RSV1,6 RF18/35X7.5 SW 1582960000 RSV1,6 RF24/35X7.5 SW | M.3 L.14 | 1599230000 SLDF 5.08 L/F 12 SN OR BX | K.80 | 1607540000 SL 3.50/06/180F 3.2SN OR BX L39 1607550000 SL 3.50/07/180F 3.2SN OR BX L39 |
| | | _ | 1582960000 RSV1,6 RF24/35X7.5 SW | M.3 | | _ | 1607560000 SL 3.50/08/180F 3.2SN OR BX I.39 |
| | | | 1582970000 RSV1,6 RF36/35X7.5 SW | L.14 | | | 1607570000 SL 3.50/09/180F 3.2SN OR BX 1.39 |
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| 1607580000 | SL 3.50/10/180F 3.2SN OR BX | 1.39 | 1623020 |
| 1607590000 | SL 3.50/11/180F 3.2SN OR BX | 1.39 | 162303 |
| 1607600000 | SL 3.50/12/180F 3.2SN OR BX | 1.39 | 162304 |
| 1609801044 | DEK 5/5 MC NE WS | N.18 | 1626881 |
| 1609801044 | DEK 5/5 MC NE WS | N.19 | 1627090 |
| 1609801044 | DEK 5/5 MC NE WS | N.20 | 1627100 |
| 1609801044 | DEK 5/5 MC NE WS | N.21 | 1627110 |
| 1609801044 | DEK 5/5 MC NE WS | N.22 | 1627120 |
| 1609801044 | DEK 5/5 MC NE WS | N.24 | 1627130 |
| 1609801044 | DEK 5/5 MC NE WS | 0.12 | 1627140 |
| 1609801044 | DEK 5/5 MC NE WS | 0.14 | 1627150 |
| 1609801044 | DEK 5/5 MC NE WS | 0.16 | 1627160 |
| 1609801044 | DEK 5/5 MC NE WS | 0.18 | 1627170 |
| 1609801044 | DEK 5/5 MC NE WS | 0.20 | 1627180 |
| 1609801044 | DEK 5/5 MC NE WS | 0.22 | 1627190 |
| 1609801044 | DEK 5/5 MC NE WS | 0.24 | 1627240 |
| 1609820000 | DEK 5/6 MC NE WS | 0.12 | 1627250 |
| 1609820000 | DEK 5/6 MC NE WS | 0.14 | 1627260 |
| 1609820000 | DEK 5/6 MC NE WS | 0.16 | 1627270 |
| 1609820000 | DEK 5/6 MC NE WS | 0.18 | 1627280 |
| 1609820000 | DEK 5/6 MC NE WS | 0.20 | 1627290 |
| 1609820000 | DEK 5/6 MC NE WS | 0.22 | 162730 |
| 1609820000 | DEK 5/6 MC NE WS | 0.24 | 1627310 |
| 1609860000 | WS 12/5 MC NE WS | \$.56 | 1627320 |
| 1000000000 | 110 12/0 110 112 110 | 0.00 | 1627331 |
| 1010 | 000000 | | 162734 |
| 1010 | 000000 | | 1627820 |
| 1610100000 | BL SL 3.5 KO SW | 1.30 | 1627820 |
| 1610100000 | BL SL 3.5 KO SW | 1.32 | 162968 |
| 1610100000 | BL SL 3.5 KO SW | 1.34 | 162968 |
| 1610100000 | BL SL 3.5 KO SW | 1.36 | 162969 |
| 1610100000 | BL SL 3.5 KO SW | 1.38 | 162969 |
| 1610100000 | BL SL 3.5 KO SW | 1.40 | 102000 |
| 1610100000 | BL SL 3.5 KO SW | 1.41 | 4.0 |
| 1610100000 | BL SL 3.5 KO SW | 1.41 | 16 |
| 1610100000 | BL SL 3.5 KO SW | 1.44 | 163025 |
| 1610100000 | BL SL 3.5 KO SW | 1.44 | 163026 |
| 1610100000 | BLSL3.5 KO SW | 1.40 | 163027 |
| 1610100000 | BL SL 3.5 KO SW | 1.40 | 163027 |
| | | | |
| 1610100000 1610100000 | BL SL 3.5 KO SW BL SL 3.5 KO SW | I.54 I.56 | 163029 |
| | | | |
| 1610100000 | BL SL 3.5 KO SW | 1.58 | 1630310 |
| 1610100000 | BL SL 3.5 KO SW | 1.60 | 163032 |
| 1610100000 | BL SL 3.5 KO SW | 1.62 | 163033 |
| 1610100000 | BL SL 3.5 KO SW | M.10 | 163034 |
| 1610490000 | BLC 5.08/02/180R OR BX | K.116 | 163035 |

| 1010 | JUUUUUU | |
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| 1610100000 | BL SL 3.5 KO SW | 1.30 |
| 1610100000 | BL SL 3.5 KO SW | 1.32 |
| 1610100000 | BL SL 3.5 KO SW | 1.34 |
| 1610100000 | BL SL 3.5 KO SW | 1.36 |
| 1610100000 | BL SL 3.5 KO SW | 1.38 |
| 1610100000 | BL SL 3.5 KO SW | 1.40 |
| 1610100000 | BL SL 3.5 KO SW | I.41 |
| 1610100000 | BL SL 3.5 KO SW | 1.42 |
| 1610100000 | BL SL 3.5 KO SW | 1.44 |
| 1610100000 | BL SL 3.5 KO SW | 1.46 |
| 1610100000 | BL SL 3.5 KO SW | 1.48 |
| 1610100000 | BL SL 3.5 KO SW | 1.50 |
| 1610100000 | BL SL 3.5 KO SW | 1.54 |
| 1610100000 | BL SL 3.5 KO SW | 1.56 |
| 1610100000 | BL SL 3.5 KO SW | 1.58 |
| 1610100000 | BL SL 3.5 KO SW | 1.60 |
| 1610100000 | BL SL 3.5 KO SW | 1.62 |
| 1610100000 | BL SL 3.5 KO SW | M.10 |
| 1610490000 | BLC 5.08/02/180R OR BX | K.116 |
| 1610500000 | BLC 5.08/03/180R OR BX | K.116 |
| 1610510000 | BLC 5.08/04/180R OR BX | K.116 |
| 1610520000 | BLC 5.08/05/180R OR BX | K.116 |
| 1610530000 | BLC 5.08/06/180R OR BX | K.116 |
| 1610540000 | BLC 5.08/07/180R OR BX BLC 5.08/08/180R OR BX | K.116 |
| 1610560000 | BLC 5.08/09/180R OR BX | K.116 K.116 |
| 1610570000 | BLC 5.08/10/180R OR BX | K.116 |
| 1610570000 | BLC 5.08/11/180R OR BX | K.116 |
| 1610590000 | BLC 5.08/12/180R OR BX | K.116 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | 1.14 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | I.16 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | 1.30 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | 1.36 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | 1.38 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | J.18 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | J.24 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | J.28 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | J.36 |
| 1610740000 | PTSC KA 2.2X4.5 WN1412 | J.42 |
| 1614350000 | SLD 5.00/04/90G 3.2 SN OR BX | K.38 |
| 1614360000 | SLD 5.00/06/90G 3.2 SN OR BX | K.38 |
| 1614370000 | SLD 5.00/08/90G 3.2 SN OR BX | K.38 |
| 1614380000 | SLD 5.00/10/90G 3.2 SN OR BX | K.38 |
| 1614390000 | SLD 5.00/12/90G 3.2 SN OR BX SLD 5.00/14/90G 3.2 SN OR BX | K.38 K.38 |
| 1614400000 | SLD 5.00/16/90G 3.2 SN OR BX | K.38 |
| 1614420000 | SLD 5.00/10/90G 3.2 SN OR BX | K.38 |
| 1614430000 | SLD 5.00/10/90G 3.2 SN OR BX | K.36 |
| 1614440000 | SLD 5.00/22/90G 3.2 SN OR BX | K.38 |
| 1614450000 | SLD 5.00/24/90G 3.2 SN OR BX | K.38 |
| 1614810000 | SLD 5.00/04/180G 3.2SN OR BX | K.39 |
| 1614820000 | SLD 5.00/06/180G 3.2SN OR BX | K.39 |
| 1614830000 | SLD 5.00/08/180G 3.2SN OR BX | K.39 |
| 1614840000 | SLD 5.00/10/180G 3.2SN OR BX | K.39 |
| 1614850000 | SLD 5.00/12/180G 3.2SN OR BX | K.39 |
| 1614860000 | SLD 5.00/14/180G 3.2SN OR BX | K.39 |
| 1614870000 | SLD 5.00/16/180G 3.2SN OR BX | K.39 |
| 1614880000 | SLD 5.00/18/180G 3.2SN OR BX | K.39 |
| 1614890000 | SLD 5.00/20/180G 3.2SN OR BX | K.39 |
| 1614900000 | SLD 5.00/22/180G 3.2SN OR BX | K.39 |
| 1614910000 | SLD 5.00/24/180G 3.2SN OR BX | K.39 |
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| BLL 5.08/02/90 3.2 SN OR BX | K.118 |
| BLL 5.08/03/90 3.2 SN OR BX | K.118 |
| BLL 5.08/04/90 3.2 SN OR BX | K.118 |
| BLL 5.08/05/90 3.2 SN OR BX | K.118 |
| BLL 5.08/06/90 3.2 SN OR BX | K.118 |
| BLL 5.08/07/90 3.2 SN OR BX | K.118 |
| BLL 5.08/08/90 3.2 SN OR BX | K.118 |
| BLL 5.08/09/90 3.2 SN OR BX | K.118 |
| | BLL 5.08/03/90 3.2 SN OR BX BLL 5.08/04/90 3.2 SN OR BX BLL 5.08/05/90 3.2 SN OR BX BLL 5.08/06/90 3.2 SN OR BX BLL 5.08/07/90 3.2 SN OR BX BLL 5.08/08/90 3.2 SN OR BX |

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| 1623020000 | BLL 5.08/10/90 3.2 SN OR BX | K.11 |
| 1623030000 | BLL 5.08/11/90 3.2 SN OR BX | K.11 |
| 1623040000 | BLL 5.08/12/90 3.2 SN OR BX | K.11 |
| 1626880000 | SLA BB12R SW | M. |
| 1627090000 | SLS 5.08/02/180 SN OR BX | K.9 |
| 1627100000 | SLS 5.08/03/180 SN OR BX | K.9 |
| 1627110000 | SLS 5.08/04/180 SN OR BX | K.9 |
| 1627120000 | SLS 5.08/05/180 SN OR BX | K.9 |
| 1627130000 | SLS 5.08/06/180 SN OR BX | K.9 |
| 1627140000 | SLS 5.08/07/180 SN OR BX | K.9i |
| 1627150000 | SLS 5.08/08/180 SN OR BX | K.9 |
| 1627160000 | SLS 5.08/09/180 SN OR BX | K.9 |
| 1627170000 | SLS 5.08/10/180 SN OR BX | K.9 |
| 1627180000 | SLS 5.08/11/180 SN OR BX | K.9i |
| 1627190000 | SLS 5.08/12/180 SN OR BX | K.9 |
| 1627240000 | SLS 5.08/02/180B SN OR BX | K.9 |
| 1627250000 | SLS 5.08/03/180B SN OR BX | K.9 |
| 1627260000 | SLS 5.08/04/180B SN OR BX | K.9 |
| 1627270000 | SLS 5.08/05/180B SN OR BX | K.9 |
| 1627280000 | SLS 5.08/06/180B SN OR BX | K.9 |
| 1627290000 | SLS 5.08/07/180B SN OR BX | K.9 |
| 1627300000 | SLS 5.08/08/180B SN OR BX | K.9 |
| 1627310000 | SLS 5.08/09/180B SN OR BX | K.9 |
| 1627320000 | SLS 5.08/10/180B SN OR BX | K.9 |
| 1627330000 | SLS 5.08/11/180B SN OR BX | K.9 |
| 1627340000 | SLS 5.08/12/180B SN OR BX | K.9 |
| 1627820000 | BL 3.50 ZE03 BK BX | L1: |
| 1627820000 | BL 3.50 ZE03 BK BX | 1.4 |
| 1629680000 | BL 3.50 ZE03 OR BX | L1: |
| 1629680000 | BL 3.50 ZE03 OR BX | 1.43 |
| 1629690000 | BL 3.50 ZE08 OR BX | L1: |
| 1629690000 | BL 3.50 ZE08 OR BX | 1.4 |
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| 1630250000 | SL 5.00/02/135 3.2SN OR BX | K.36 |
| 1630260000 | SL 5.00/03/135 3.2SN OR BX | K.36 |
| 1630270000 | SL 5.00/04/135 3.2SN OR BX | K.36 |
| 1630280000 | SL 5.00/05/135 3.2SN OR BX | K.36 |
| 1630290000 | SL 5.00/06/135 3.2SN OR BX | K.36 |
| 1630300000 | SL 5.00/07/135 3.2SN OR BX | K.36 |
| 1630310000 | SL 5.00/08/135 3.2SN OR BX | K.36 |
| 1630320000 | SL 5.00/09/135 3.2SN OR BX | K.36 |
| 1630330000 | SL 5.00/10/135 3.2SN OR BX | K.36 |
| 1630340000 | SL 5.00/11/135 3.2SN OR BX | K.36 |
| 1630350000 | SL 5.00/12/135 3.2SN OR BX | K.36 |
| 1630480000 | SL 5.00/02/135B 3.2SN OR BX | K.37 |
| 1630490000 | SL 5.00/03/135B 3.2SN OR BX | K.37 |
| 1630500000 | SL 5.00/04/135B 3.2SN OR BX | K.37 |
| 1630510000 | SL 5.00/05/135B 3.2SN OR BX | K.37 |
| 1630520000 | SL 5.00/06/135B 3.2SN OR BX | K.37 |
| 1630530000 | SL 5.00/07/135B 3.2SN OR BX | K.37 |
| 1630540000 | SL 5.00/08/135B 3.2SN OR BX | K.37 |
| 1630550000 | SL 5.00/09/135B 3.2SN OR BX | K.37 |
| 1630560000 | SL 5.00/10/135B 3.2SN OR BX | K.37 |
| 1630570000 | SL 5.00/11/135B 3.2SN OR BX | K.37 |
| 1630580000 | SL 5.00/12/135B 3.2SN OR BX | K.37 |
| 1630710000 | BLL 5.08/02/180 3.2 SN OR BX | K.120 |
| 1630720000 | BLL 5.08/03/180 3.2 SN OR BX | K.120 |
| 1630730000 | BLL 5.08/04/180 3.2 SN OR BX | K.120 |
| 1630740000 | BLL 5.08/05/180 3.2 SN OR BX | K.120 |
| 1630750000 | BLL 5.08/06/180 3.2 SN OR BX | K.120 |
| 1630760000 | BLL 5.08/07/180 3.2 SN OR BX | K.120 |
| 1630770000 | BLL 5.08/08/180 3.2 SN OR BX | K.120 |
| 1630780000 | BLL 5.08/09/180 3.2 SN OR BX | K.120 |
| 1630790000 | BLL 5.08/10/180 3.2 SN OR BX | K.120 |
| 1630800000 | BLL 5.08/11/180 3.2 SN OR BX | K.120 |
| 1630810000 | BLL 5.08/12/180 3.2 SN OR BX | K.120 |
| 1633580000 | SLD 3.50/04/90G 3.2SN OR BX | 1.42 |
| 1633590000 | SLD 3.50/06/90G 3.2SN OR BX | 1.42 |
| 1633600000 | SLD 3.50/08/90G 3.2SN OR BX | 1.42 |
| 1633610000 | SLD 3.50/10/90G 3.2SN OR BX | 1.42 |
| 1633620000 | SLD 3.50/12/90G 3.2SN OR BX | 1.42 |
| 1633630000 | SLD 3.50/14/90G 3.2SN OR BX SLD 3.50/16/90G 3.2SN OR BX | 1.42 |
| 1633640000 1633650000 | SLD 3.50/18/90G 3.2SN OR BX | 1.42 |
| 1633660000 | SLD 3.50/20/90G 3.2SN OR BX | 1.42 |
| 1633670000 | SLD 3.50/22/90G 3.2SN OR BX | 1.42 |
| 1633680000 | SLD 3.50/24/90G 3.2SN OR BX | 1.42 |
| 1633810000 | SLD 3.50/04/90F 3.2SN OR BX | 1.43 |
| 1633820000 | SLD 3.50/06/90F 3.2SN OR BX | 1.43 |
| 1633830000 | SLD 3.50/08/90F 3.2SN 0R BX | 1.43 |
| 1633840000 | SLD 3.50/10/90F 3.2SN OR BX | 1.43 |
| 1633850000 | SLD 3.50/12/90F 3.2SN OR BX | 1.43 |
| 1633860000 | SLD 3.50/14/90F 3.2SN OR BX | 1.43 |
| 1633870000 | SLD 3.50/16/90F 3.2SN OR BX | 1.43 |
| 1633880000 | SLD 3.50/18/90F 3.2SN OR BX | 1.43 |
| 1633890000 | SLD 3.50/20/90F 3.2SN OR BX | 1.43 |
| 1633900000 | SLD 3.50/22/90F 3.2SN OR BX | 1.43 |
| 1633910000 | SLD 3.50/24/90F 3.2SN OR BX | 1.43 |
| 1635000000 | WS 10/5 MC NE WS | S.56 |
| 1636370000 | SL 135 BB15R SW | K.36 |
| 1636370000 | SL 135 BB15R SW | M.7 |
| 1636670000 | SLFLA 2,3/1 | K.22 |
| 1636670000 | SLFLA 2,3/1 | K.24 |
| 1636670000 | SLFLA 2,3/1 | K.32 |
| 1636670000 | SLFLA 2,3/1 | K.50 |
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| 1636670000 | SLFLA 2,3/1 | K.54 |
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| 1636670000 | SLFLA 2,3/1 | K.7 |
| 1636670000 | SLFLA 2,3/1 | M. |
| 1636680000 | SLFLA 2,3/24 | K.2 |
| 1636680000 | SLFLA 2,3/24 | K.2 |
| 1636680000 | SL FLA 2,3/24 | K.3 |
| 1636680000 | SL FLA 2,3/24 | K.5 |
| 1636680000 | SL FLA 2,3/24 | K.5 |
| 1636680000 | SL FLA 2,3/24 | K.5 |
| 1636680000 | SL FLA 2,3/24 | K.6 |
| 1636680000 | SL FLA 2,3/24 | K.7 |
| 1636680000 | SL FLA 2,3/24 | M. |
| 1638550000 | BL 3.50/02/90 SN OR BX | 1.5 |
| 1638560000 | BL 3.50/03/90 SN OR BX | 1.5 |
| 1638570000 | BL 3.50/04/90 SN OR BX | 1.5 |
| 1638580000 | BL 3.50/05/90 SN OR BX | 1.5 |
| 1638590000 | BL 3.50/06/90 SN OR BX | 1.5 |
| 1638600000 | BL 3.50/07/90 SN OR BX | 1.5 |
| 1638610000 | BL 3.50/08/90 SN OR BX | 1.5 |
| 1638620000 | BL 3.50/09/90 SN OR BX | 1.5 |
| 1638630000 | BL 3.50/10/90 SN OR BX | 1.5 |
| 1638640000 | BL 3.50/11/90 SN OR BX | 1.5 |
| 1638650000 | BL 3.50/12/90 SN OR BX | 1.5 |
| 1639010000 1639020000 | BL 3.50/02/90F SN OR BX BL 3.50/03/90F SN OR BX | 1.5 |
| 1639030000 | BL 3.50/03/90F SN OR BX | 1.5 |
| 1639040000 | BL 3.50/05/90F SN OR BX | 1.5 |
| 1639050000 | BL 3.50/06/90F SN OR BX | 1.5 |
| 1639060000 | BL 3.50/07/90F SN OR BX | 1.5 |
| 1639070000 | BL 3.50/08/90F SN OR BX | 1.5 |
| 1639080000 | BL 3.50/09/90F SN OR BX | 1.5 |
| 1639090000 | BL 3.50/10/90F SN OR BX | 1.5 |
| 1639100000 | BL 3.50/11/90F SN OR BX | 1.5 |
| 1639110000 | BL 3.50/12/90F SN OR BX | 1.5 |
| 1639470000 | BL 3.50/02/270 SN OR BX | 1.5 |
| 1639480000 | BL 3.50/03/270 SN OR BX | 1.5 |
| 1639490000 | BL 3.50/04/270 SN OR BX | 1.5 |
| 1639500000 | BL 3.50/05/270 SN OR BX | 1.5 |
| 1639510000 | BL 3.50/06/270 SN OR BX | 1.5 |
| 1639520000 | BL 3.50/07/270 SN OR BX | 1.5 |
| 1639530000 | BL 3.50/08/270 SN OR BX | 1.5 |
| 1639540000 | BL 3.50/09/270 SN OR BX | 1.5 |
| 1639550000 | BL 3.50/10/270 SN OR BX | 1.5 |
| 1639560000 | BL 3.50/11/270 SN OR BX | 1.5 |
| 1639570000 | BL 3.50/12/270 SN OR BX | 1.5 |
| 1639930000 | BL 3.50/02/270F SN OR BX | 1.5 |
| 1639940000 | BL 3.50/03/270F SN OR BX | 1.5 |
| 1639950000 | BL 3.50/04/270F SN OR BX | 1.5 |
| 1639960000 | BL 3.50/05/270F SN OR BX | 1.5 |
| 1639970000 | BL 3.50/06/270F SN OR BX | 1.5 |
| 1639980000 | BL 3.50/07/270F SN OR BX | 1.5 |

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| 1640 | 000000 | |
|------------|---------------------------------|------|
| 1640000000 | BL 3.50/09/270F SN OR BX | 1.5 |
| 1640010000 | BL 3.50/10/270F SN OR BX | 1.5 |
| 1640020000 | BL 3.50/11/270F SN OR BX | 1.5 |
| 1640030000 | BL 3.50/12/270F SN OR BX | 1.5 |
| 1641110000 | SLD 3.50V/04/180G 3.2SN OR BX | 1.41 |
| 1641120000 | SLD 3.50V/08/180G 3.2SN OR BX | 1.41 |
| 1641130000 | SLD 3.50V/12/180G 3.2SN OR BX | 1.41 |
| 1641140000 | SLD 3.50V/16/180G 3.2SN OR BX | 1.41 |
| 1641150000 | SLD 3.50V/20/180G 3.2SN OR BX | 1.41 |
| 1641160000 | SLD 3.50V/24/180G 3.2SN OR BX | 1.41 |
| 1641240000 | SLD 3.50 V/04/180F 3.2 SN OR BX | 1.4 |
| 1641250000 | SLD 3.50 V/08/180F 3.2 SN OR BX | 1.4 |
| 1641260000 | SLD 3.50 V/12/180F 3.2 SN OR BX | 1.4 |
| 1641270000 | SLD 3.50 V/16/180F 3.2 SN OR BX | 1.4 |
| 1641280000 | SLD 3.50 V/20/180F 3.2 SN OR BX | 1.4 |
| 1641290000 | SLD 3.50 V/24/180F 3.2 SN OR BX | 1.4 |
| 1642240000 | SLD 3.50V/04/90G 3.2SN OR BX | 1.4 |
| 1642250000 | SLD 3.50V/08/90G 3.2SN OR BX | 1.4 |
| 1642260000 | SLD 3.50V/12/90G 3.2SN OR BX | 1.4 |
| 1642270000 | SLD 3.50V/16/90G 3.2SN OR BX | 1.4 |
| 1642280000 | SLD 3.50V/20/90G 3.2SN OR BX | 1.4 |
| 1642290000 | SLD 3.50V/24/90G 3.2SN OR BX | 1.4 |
| 1642370000 | SLD 3.50 V/04/90F 3.2 SN OR BX | 1.4 |
| 1642380000 | SLD 3.50 V/08/90F 3.2 SN OR BX | 1.4 |
| 1642390000 | SLD 3.50 V/12/90F 3.2 SN OR BX | 1.4 |
| 1642400000 | SLD 3.50 V/16/90F 3.2 SN OR BX | 1.4 |
| 1642410000 | SLD 3.50 V/20/90F 3.2 SN OR BX | 1.4 |
| 1642420000 | SLD 3.50 V/24/90F 3.2 SN OR BX | 1.4 |
| 1643330000 | SL 3.50/02/135F 3.2SN OR BX | 1.41 |
| 1643340000 | SL 3.50/03/135F 3.2SN OR BX | 1.41 |
| 1643350000 | SL 3.50/04/135F 3.2SN OR BX | 1.41 |
| 1643360000 | SL 3.50/05/135F 3.2SN OR BX | 1.41 |
| 1643370000 | SL 3.50/06/135F 3.2SN OR BX | 1.41 |
| 1643380000 | SL 3.50/07/135F 3.2SN OR BX | 1.41 |
| 1643390000 | SL 3.50/08/135F 3.2SN OR BX | 1.41 |
| 1643400000 | SL 3.50/09/135F 3.2SN OR BX | 1.41 |
| 1643410000 | SL 3.50/10/135F 3.2SN OR BX | 1.41 |
| 1643420000 | SL 3.50/11/135F 3.2SN OR BX | 1.41 |
| 1643430000 | SL 3.50/12/135F 3.2SN OR BX | 1.41 |
| 1649370000 | BLC 5.08/02/180BR OR BX | K.11 |
| 1649380000 | BLC 5.08/03/180BR OR BX | K.11 |
| 1649390000 | BLC 5.08/04/180BR OR BX | K.11 |
| 1649400000 | BLC 5.08/05/180BR OR BX | K.11 |
| 1649410000 | BLC 5.08/06/180BR OR BX | K.11 |
| | | |

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| 1649420000 | BLC 5.08/07/180BR OR BX | K 117 | | |
| 1649430000 | BLC 5.08/08/180BR OR BX | K.117 | | |
| 1649440000 | BLC 5.08/09/180BR OR BX | K.117 | | |
| 1649450000 | BLC 5.08/10/180BR OR BX | K.117 | | |
| 1649460000 | BLC 5.08/11/180BR OR BX | K.117 | | |
| 1649470000 | BLC 5.08/12/180BR OR BX | K.117 | | |

| 1652040000 | BLZ 5.00 ZE08 OR BX | K.4 |
|------------|---------------------|------|
| 1652040000 | BLZ 5.00 ZE08 OR BX | M. |
| 1652050000 | BLZ 5.08 ZE08 OR BX | K.8 |
| 1652050000 | BLZ 5.08 ZE08 OR BX | K.9 |
| 1652050000 | BLZ 5.08 ZE08 OR BX | K.9 |
| 1652050000 | BLZ 5.08 ZE08 OR BX | K.10 |
| 1652050000 | BLZ 5.08 ZE08 OR BX | M. |
| 1652060000 | BLZ 5.00 ZE08 BK BX | K.4 |
| 1652060000 | BLZ 5.00 ZE08 BK BX | M. |
| 1652070000 | BLZ 5.08 ZE08 BK BX | K.8 |
| 1652070000 | BLZ 5.08 ZE08 BK BX | K.9 |
| 1652070000 | BLZ 5.08 ZE08 BK BX | K.9 |
| 1652070000 | BLZ 5.08 ZE08 BK BX | K.10 |
| 1652070000 | BLZ 5.08 ZE08 BK BX | M. |
| 1652100000 | BLZ 5.00 ZE04 OR BX | K.4 |
| 1652100000 | BLZ 5.00 ZE04 OR BX | M. |
| 1652110000 | BLZ 5.08 ZE04 OR BX | K.8 |
| 1652110000 | BLZ 5.08 ZE04 OR BX | K.9 |
| 1652110000 | BLZ 5.08 ZE04 OR BX | K.9 |
| 1652110000 | BLZ 5.08 ZE04 OR BX | K.10 |
| 1652110000 | BLZ 5.08 ZE04 OR BX | M. |
| 1652130000 | BLZ 5.08 ZE04 BK BX | K.8 |
| 1652130000 | BLZ 5.08 ZE04 BK BX | K.9 |
| 1652130000 | BLZ 5.08 ZE04 BK BX | K.9 |
| 1652130000 | BLZ 5.08 ZE04 BK BX | K.10 |
| 1652130000 | BLZ 5.08 ZE04 BK BX | M. |
| | | |

| 667750000 | LM 3.50/02/90 3.25N UR BX | F. 18 |
|-----------|------------------------------|-------|
| 667770000 | LM 3.50/03/90 3.2SN OR BX | F.18 |
| 669300000 | BL/SL 3.50 VR BK BX | 1.30 |
| 669300000 | BL/SL 3.50 VR BK BX | 1.32 |
| 669300000 | BL/SL 3.50 VR BK BX | 1.34 |
| 669300000 | BL/SL 3.50 VR BK BX | 1.36 |
| 669300000 | BL/SL 3.50 VR BK BX | 1.38 |
| 669300000 | BL/SL 3.50 VR BK BX | 1.40 |
| 669300000 | BL/SL 3.50 VR BK BX | I.41 |
| 669300000 | BL/SL 3.50 VR BK BX | 1.48 |
| 669300000 | BL/SL 3.50 VR BK BX | M.5 |
| 669310000 | BL/SL 3.50 VR OR BX | 1.30 |
| 669310000 | BL/SL 3.50 VR OR BX | 1.32 |
| 669310000 | BL/SL 3.50 VR OR BX | 1.34 |
| 669310000 | BL/SL 3.50 VR OR BX | 1.36 |
| 669310000 | BL/SL 3.50 VR OR BX | 1.38 |
| 669310000 | BL/SL 3.50 VR OR BX | 1.40 |
| 669310000 | BL/SL 3.50 VR OR BX | I.41 |
| 669310000 | BL/SL 3.50 VR OR BX | 1.48 |
| 669310000 | BL/SL 3.50 VR OR BX | M.5 |
| 669650000 | SLD 3.50V/22/90G 3.2SN OR BX | 1.44 |
| 669660000 | SLD 3.50V/22/90F 3.2SN OR BX | 1.45 |

| 1682/30000 | BLL 5.08/02/180B 3.25N UR E | IX K.I | ٠.۷ |
|------------|-----------------------------|--------|-----|
| 1682740000 | BLL 5.08/03/180B 3.2SN OR E | X K.1 | 2 |
| 1682750000 | BLL 5.08/04/180B 3.2SN OR E | X K.1 | 2 |
| 1682760000 | BLL 5.08/05/180B 3.2SN OR E | X K.1 | 21 |
| 1682770000 | BLL 5.08/06/180B 3.2SN OR E | X K.1 | 2 |
| 1682780000 | BLL 5.08/07/180B 3.2SN OR B | X K.1 | 2 |
| 1682790000 | BLL 5.08/08/180B 3.2SN OR E | X K.1 | 21 |
| 1682800000 | BLL 5.08/09/180B 3.2SN OR E | X K.1 | 21 |
| 1682810000 | BLL 5.08/10/180B 3.2SN OR B | X K.1 | 2 |
| 1682820000 | BLL 5.08/11/180B 3.2SN OR B | X K.1 | 2 |
| 1682830000 | BLL 5.08/12/180B 3.2SN 0R B | X K.1 | 21 |

| 1690110000 | RSV1,6 RF4/35X15 SW | L.14 |
|------------|----------------------|-------|
| 1690110000 | RSV1,6 RF4/35X15 SW | M.3 |
| 1690120000 | RSV1,6 RF6/35X15 SW | L.14 |
| 1690120000 | RSV1,6 RF6/35X15 SW | M.3 |
| 1690130000 | RSV1,6 RF9/35X15 SW | L.14 |
| 1690130000 | RSV1,6 RF9/35X15 SW | M.3 |
| 1690140000 | RSV1,6 RF12/35X15 SW | L.14 |
| 1690140000 | RSV1,6 RF12/35X15 SW | M.3 |
| 1690150000 | RSV1,6 RF18/35X15 SW | L.14 |
| 1690150000 | RSV1,6 RF18/35X15 SW | M.3 |
| 1690160000 | RSV1,6 RF24/35X15 SW | L.14 |
| 1690160000 | RSV1,6 RF24/35X15 SW | M.3 |
| 1690170000 | RSV1,6 RF36/35X15 SW | L.14 |
| 1690170000 | RSV1,6 RF36/35X15 SW | M.3 |
| 1692340000 | SLA BB11R SW | K.32 |
| 1692340000 | SLA BB11R SW | K.34 |
| 1692340000 | SLA BB11R SW | K.68 |
| 1692340000 | SLA BB11R SW | K.72 |
| 1692340000 | SLA BB11R SW | K.90 |
| 1692340000 | SLA BB11R SW | K.118 |
| 1692340000 | SLA BB11R SW | K.120 |
| 1692340000 | SLA BB11R SW | M.6 |
| | | |

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|--------------------------------------------------------------------|--------------------------------------------------------------|----------------------|--------------------------|--------------------------------------------------------------------|----------------|--------------------------|----------------------------------------------------------------------|----------------|--------------------------|--------------------------------------------------------------------------|----------------------|
| 1693430000 | BL SL 3.5 KO OR | 1.30 | 1727920000 | S2L 3.50/24/90G 3.5SN OR BX | 1.14 | 1764910000 | LM3RZF 5.08/06/135 3.5SN OR BX | F.105 | 1775244001 | SL-SMT 5.08HC/03/90LF 1.5SN BK RL | K.55 |
| 1693430000 | BL SL 3.5 KO OR | 1.32 | 1728470000 | S2L 3.50/06/90F 3.5SN OR BX | I.15 | 1764920000 | LM3RZF 5.08/09/135 3.5SN OR BX | F.105 | 1775254001 | SL-SMT 5.08HC/04/90LF 1.5SN BK RL | K.55 |
| 1693430000 | | 1.34 | 1728480000 | S2L 3.50/08/90F 3.5SN OR BX | 1.15 | 1764930000 | LM3RZF 5.08/12/135 3.5SN OR BX | F.105 | 1775264001 | SL-SMT 5.08HC/05/90LF 1.5SN BK RL | K.55 |
| 1693430000 1693430000 | | 1.36 | 1728490000 1728500000 | S2L 3.50/10/90F 3.5SN OR BX S2L 3.50/12/90F 3.5SN OR BX | I.15 I.15 | 1764940000 1764950000 | LM3RZF 5.08/15/135 3.5SN OR BX LM3RZF 5.08/18/135 3.5SN OR BX | F.105 F.105 | 1775274001 1775594001 | SL-SMT 5.08HC/06/90LF 1.5SN BK RL SL-SMT 5.08HC/04/180 1.5SN BK RL | K.55 K.57 |
| 1693430000 | | 1.40 | 1728510000 | S2L 3.50/14/90F 3.5SN OR BX | 1.15 | 1764960000 | LM3RZF 5.08/24/135 3.5SN OR BX | F.105 | 1775634001 | SL-SMT 5.08HC/05/180 1.5SN BK RL | K.57 |
| 1693430000 | BL SL 3.5 KO OR | 1.41 | 1728520000 | S2L 3.50/16/90F 3.5SN OR BX | I.15 | 1764970000 | LM3RZF 5.08/27/135 3.5SN OR BX | F.105 | 1775644001 | SL-SMT 5.08HC/06/180 1.5SN BK RL | K.57 |
| 1693430000 | | 1.42 | 1728530000 | S2L 3.50/18/90F 3.5SN OR BX | 1.15 | 1764980000 | LM3RZF 5.08/33/135 3.5SN OR BX | F.105 | 1775654001 | SL-SMT 5.08HC/07/180 1.5SN BK RL | K.57 |
| 1693430000 1693430000 | | 1.44 | 1728540000 1728550000 | S2L 3.50/20/90F 3.5SN OR BX S2L 3.50/22/90F 3.5SN OR BX | I.15 I.15 | 1764990000 1766300000 | LM3RZF 5.08/36/135 3.5SN OR BX LM1N 5.08/02/90 3.5SN OR BX | F.105 F.28 | 1775664001 1775934001 | SL-SMT 5.08HC/08/180 1.5SN BK RL SL-SMT 5.08HC/03/180G 1.5SN BK RL | K.57 K.57 |
| 1693430000 | | 1.48 | 1728560000 | S2L 3.50/24/90F 3.5SN OR BX | 1.15 | 1766310000 | LM1N 5.08/03/90 3.5SN OR BX | F.28 | 1775944001 | SL-SMT 5.08HC/04/180G 1.5SN BK RL | K.57 |
| 1693430000 | | 1.50 | 1728790000 | S2L 3.50/06/180G 3.5SN OR BX | I.16 | 1766360000 | LM1H 5.08/02/90 3.5SN OR BX | F.29 | 1775954001 | SL-SMT 5.08HC/05/180G 1.5SN BK RL | K.57 |
| 1693430000 | | 1.54 | 1728800000 | S2L 3.50/08/180G 3.5SN OR BX | I.16 | 1766370000 | LM1H 5.08/03/90 3.5SN OR BX | F.29 | 1775964001 | SL-SMT 5.08HC/06/180G 1.5SN BK RL | K.57 |
| 1693430000 | | 1.56 | 1728810000 | S2L 3.50/10/180G 3.5SN OR BX | I.16 | 1768850000 | LM2N 5.08/04/90 3.5SN OR BX | F.30 | 1775974001 | SL-SMT 5.08HC/07/180G 1.5SN BK RL | K.57 |
| 1693430000 1693430000 | | 1.58 | 1728820000 1728830000 | S2L 3.50/12/180G 3.5SN OR BX S2L 3.50/14/180G 3.5SN OR BX | I.16 I.16 | 1768860000 1768870000 | LM2N 5.08/06/90 3.5SN OR BX LM2N 5.08/08/90 3.5SN OR BX | F.30 F.30 | 1776364001 1776374001 | SL-SMT 5.08HC/02/180LF 1.5SN BK RL SL-SMT 5.08HC/03/180LF 1.5SN BK RL | K.61 |
| 1693430000 | | 1.62 | 1728840000 | S2L 3.50/16/180G 3.5SN OR BX | 1.16 | 1768880000 | LM2N 5.08/10/90 3.5SN OR BX | F.30 | 1776384001 | SL-SMT 5.08HC/04/180LF 1.5SN BK RL | K.61 |
| 1693430000 | BL SL 3.5 KO OR | M.10 | 1728850000 | S2L 3.50/18/180G 3.5SN OR BX | I.16 | 1768890000 | LM2N 5.08/12/90 3.5SN OR BX | F.30 | 1776394001 | SL-SMT 5.08HC/05/180LF 1.5SN BK RL | K.61 |
| 1699580000 | | 1.14 | 1728860000 | S2L 3.50/20/180G 3.5SN OR BX | I.16 | 1768900000 | LM2N 5.08/14/90 3.5SN OR BX | F.30 | 1776404001 | SL-SMT 5.08HC/06/180LF 1.5SN BK RL | K.61 |
| 1699580000 | | M.8 | 1728870000 | S2L 3.50/22/180G 3.5SN OR BX | 1.16 | 1768910000 | LM2N 5.08/16/90 3.5SN OR BX | F.30 | 1779880000 | BL-I/O 3.50/10F SN BK BX | 1.54 |
| 1699800000 1699800000 | | 0.40 | 1728880000 1729430000 | S2L 3.50/24/180G 3.5SN OR BX S2L 3.50/06/180F 3.5SN OR BX | I.16 I.17 | 1768920000 1768930000 | LM2N 5.08/18/90 3.5SN OR BX LM2N 5.08/20/90 3.5SN OR BX | F.30 F.30 | 1779920000 1779950000 | BL-I/O 3.50/30F SN BK BX SL-SMT 5.08HC/02/90 3.2SN BK BX | 1.55 K.50 |
| 1699800000 | | 0.46 | 1729440000 | S2L 3.50/08/180F 3.5SN OR BX | 1.17 | 1768940000 | LM2N 5.08/22/90 3.5SN OR BX | F.30 | 1779960000 | SL-SMT 5.08HC/03/90 3.2SN BK BX | K.50 |
| 1699860000 | SM 27/18 MC NE WS | C.15 | 1729450000 | S2L 3.50/10/180F 3.5SN OR BX | I.17 | 1768950000 | LM2N 5.08/24/90 3.5SN OR BX | F.30 | 1779970000 | SL-SMT 5.08HC/04/90 3.2SN BK BX | K.50 |
| | | | 1729460000 | S2L 3.50/12/180F 3.5SN OR BX | I.17 | 1769240000 | LM2H 5.08/04/90 3.5SN OR BX | F.31 | 1779980000 | SL-SMT 5.08HC/05/90 3.2SN BK BX | K.50 |
| 1/00 | 000000 | | 1729470000 1729480000 | S2L 3.50/14/180F 3.5SN OR BX S2L 3.50/16/180F 3.5SN OR BX | I.17 I.17 | 1769250000 1769260000 | LM2H 5.08/06/90 3.5SN OR BX LM2H 5.08/08/90 3.5SN OR BX | F.31 F.31 | 17/9990000 | SL-SMT 5.08HC/06/90 3.2SN BK BX | K.50 |
| 1703700000 | | F.21 | 1729480000 | S2L 3.50/18/180F 3.55N OR BX | 1.17 | 1769270000 | LM2H 5.08/10/90 3.5SN 0R BX | F.31 | 1700 | nnnnn | |
| 1703710000 | LM2N 3.50/06/90 3.2SN OR BX | F.21 | 1729500000 | S2L 3.50/20/180F 3.5SN OR BX | 1.17 | 1769280000 | LM2H 5.08/12/90 3.5SN OR BX | F.31 | 1 / öl | 1000000 | |
| 1703720000 | LM2N 3.50/08/90 3.2SN OR BX | F.21 | 1729510000 | S2L 3.50/22/180F 3.5SN OR BX | I.17 | 1769290000 | LM2H 5.08/14/90 3.5SN OR BX | F.31 | 1780000000 | | K.50 |
| 1703730000 | LM2N 3.50/10/90 3.2SN OR BX | F.21 | 1729520000 | S2L 3.50/24/180F 3.5SN OR BX | I.17 | 1769300000 | LM2H 5.08/16/90 3.5SN OR BX | F.31 | 1780010000 | SL-SMT 5.08HC/08/90 3.2SN BK BX | K.50 |
| 1703740000 1703750000 | LM2N 3.50/12/90 3.2SN OR BX LM2N 3.50/14/90 3.2SN OR BX | F.21 F.21 | 1740 | 00000 | | 1769310000 1769320000 | LM2H 5.08/18/90 3.5SN OR BX LM2H 5.08/20/90 3.5SN OR BX | F.31 F.31 | 1780020000 1780030000 | SL-SMT 5.08HC/09/90 3.2SN BK BX SL-SMT 5.08HC/10/90 3.2SN BK BX | K.50 |
| 703760000 | LM2N 3.50/16/90 3.2SN OR BX | F.21 | 1/40 | 000000 | | 1769330000 | LM2H 5.08/22/90 3.5SN OR BX | F.31 | 1780040000 | SL-SMT 5.08HC/11/90 3.2SN BK BX | K.50 |
| 1703770000 | LM2N 3.50/18/90 3.2SN OR BX | F.21 | 1745580000 | BL 3.50 AH03 BK BX | 1.48 | 1769340000 | LM2H 5.08/24/90 3.5SN OR BX | F.31 | 1780050000 | SL-SMT 5.08HC/12/90 3.2SN BK BX | K.50 |
| 1703780000 | | F.21 | 1745580000 | BL 3.50 AH03 BK BX | M.4 | 1769620000 | LM3R 5.08/06/90 3.5SN OR BX | F.31 | 1780180000 | SL-SMT 5.08HC/02/90G 3.2SN BK BX | K.51 |
| 1703790000 | LM2N 3.50/22/90 3.2SN OR BX | F.21 | 1745590000 | BL 3.50 AH04 BK BX | 1.48 | 1769630000 | LM3R 5.08/09/90 3.5SN OR BX | F.31 | 1780190000 | SL-SMT 5.08HC/03/90G 3.2SN BK BX | K.51 |
| 1703800000 | LM2N 3.50/24/90 3.2SN OR BX | F.21 | 1745590000 1745600000 | BL 3.50 AH04 BK BX BL 3.50 AH05 BK BX | M.4 I.48 | 1769640000 1769650000 | LM3R 5.08/12/90 3.5SN OR BX LM3R 5.08/15/90 3.5SN OR BX | F.31 F.31 | 1780200000 1780210000 | SL-SMT 5.08HC/04/90G 3.2SN BK BX SL-SMT 5.08HC/05/90G 3.2SN BK BX | K.51 K.51 |
| 1710 | 000000 | | 1745600000 | BL 3.50 AH05 BK BX | M.4 | 1769660000 | LM3R 5.08/18/90 3.5SN OR BX | F.31 | 1780220000 | SL-SMT 5.08HC/06/90G 3.2SN BK BX | K.51 |
| 1710 | JUUUUUU | | 1745610000 | BL 3.50 AH06 BK BX | 1.48 | 1769670000 | LM3R 5.08/21/90 3.5SN OR BX | F.31 | 1780230000 | SL-SMT 5.08HC/07/90G 3.2SN BK BX | K.51 |
| 1714980000 | | F.19 | 1745610000 | BL 3.50 AH06 BK BX | M.4 | 1769680000 | LM3R 5.08/24/90 3.5SN OR BX | F.31 | 1780240000 | SL-SMT 5.08HC/08/90G 3.2SN BK BX | K.51 |
| 715020000 | LM 3.50/03/135 3.2SN OR BX | F.19 | 1745620000 | BL 3.50 AH07 BK BX | 1.48 | 1769690000 | LM3R 5.08/27/90 3.5SN OR BX | F.31 | 1780250000 | SL-SMT 5.08HC/09/90G 3.2SN BK BX | K.51 |
| 1715310000 1715320000 | LM 5.00/02/90 3.5SN OR BX LM 5.00/03/90 3.5SN OR BX | F.24 F.24 | 1745620000 1745630000 | BL 3.50 AH07 BK BX BL 3.50 AH08 BK BX | M.4 I.48 | 1769700000 1769710000 | LM3R 5.08/30/90 3.5SN OR BX LM3R 5.08/33/90 3.5SN OR BX | F.31 F.31 | 1780260000 1780270000 | SL-SMT 5.08HC/10/90G 3.2SN BK BX SL-SMT 5.08HC/11/90G 3.2SN BK BX | K.51 K.51 |
| 1715320000 | LM 5.00/02/180 3.5SN OR BX | F.25 | 1745630000 | BL 3.50 AH08 BK BX | M.4 | | LM3R 5.08/36/90 3.5SN OR BX | F.31 | 1780280000 | SL-SMT 5.08HC/12/90G 3.2SN BK BX | K.51 |
| 1715340000 | LM 5.00/03/180 3.5SN OR BX | F.25 | 1745640000 | BL 3.50 AH09 BK BX | 1.48 | | | | 1780410000 | SL-SMT 5.08HC/02/90LF 3.2SN BK BX | K.54 |
| 1715350000 | LM 5.00/02/135 3.5SN OR BX | F.25 | 1745640000 | BL 3.50 AH09 BK BX | M.4 | 1770 | 000000 | | 1780420000 | SL-SMT 5.08HC/03/90LF 3.2SN BK BX | K.54 |
| 1715360000 1716080000 | LM 5.00/03/135 3.5SN OR BX LM 5.08/02/90 3.5SN OR BX | F.25 F.26 | 1745650000 1745650000 | BL 3.50 AH10 BK BX BL 3.50 AH10 BK BX | I.48 M.4 | 1770240000 | | K.22 | 1780430000 1780440000 | SL-SMT 5.08HC/04/90LF 3.2SN BK BX SL-SMT 5.08HC/05/90LF 3.2SN BK BX | K.54 K.54 |
| 1716090000 | LM 5.08/03/90 3.5SN OR BX | F.26 | | BL 3.50 AH11 BK BX | 1.48 | 1770240000 | SLAT SW | K.24 | 1780440000 | SL-SMT 5.08HC/06/90LF 3.2SN BK BX | K.54 |
| 1716100000 | LM 5.08/02/180 3.5SN OR BX | F.27 | 1745660000 | BL 3.50 AH11 BK BX | M.4 | 1770240000 | SLAT SW | K.26 | 1780460000 | SL-SMT 5.08HC/07/90LF 3.2SN BK BX | K.54 |
| 1716110000 | LM 5.08/03/180 3.5SN OR BX | F.27 | 1745670000 | BL 3.50 AH12 BK BX | 1.48 | 1770240000 | SL AT SW | K.28 | 1780470000 | SL-SMT 5.08HC/08/90LF 3.2SN BK BX | K.54 |
| 1716120000 | LM 5.08/02/135 3.5SN OR BX | F.27 | 1745670000 | BL 3.50 AH12 BK BX | M.4 | 1770240000 | SL AT SW | K.30 | 1780480000 | SL-SMT 5.08HC/09/90LF 3.2SN BK BX | K.54 |
| 1716130000 1716630000 | LM 5.08/03/135 3.5SN OR BX SM-H 27/18 SW | F.27 C.15 | 1745680000 1745690000 | BL 3.50 AH13 BK BX BL 3.50 AH14 BK BX | 1.48 | 1770240000 1770240000 | SLAT SW SLAT SW | K.32 K.34 | 1780490000 1780500000 | SL-SMT 5.08HC/10/90LF 3.2SN BK BX SL-SMT 5.08HC/11/90LF 3.2SN BK BX | K.54 K.54 |
| 1716710000 | LM1N 3.50/02/90 3.2SN OR BX | F.20 | 1745700000 | BL 3.50 AH15 BK BX | 1.48 | 1770240000 | SLAT SW | K.36 | 1780510000 | SL-SMT 5.08HC/12/90LF 3.2SN BK BX | K.54 |
| 1716720000 | LM1N 3.50/03/90 3.2SN OR BX | F.20 | 1745710000 | BL 3.50 AH16 BK BX | 1.48 | 1770240000 | SL AT SW | K.38 | 1781560000 | B2L 3.50 AH06 BK BX | I.18 |
| | | | | | | 1770240000 | | K.50 | | B2L 3.50 AH08 BK BX | I.18 |
| 1720 | 000000 | | 1750 | 000000 | | 1770240000 1770240000 | SLAT SW SLAT SW | K.52 K.54 | 1781580000 1781590000 | B2L 3.50 AH10 BK BX B2L 3.50 AH12 BK BX | I.18 I.18 |
| 1720250000 | | F.18 | 1752984002 | SL-SMT 3.50/02/180G 1.5SN BK RL | 1.35 | 1770240000 | SLAT SW | K.54 | 1781600000 | | 1.10 |
| 1723430000 | | M.6 | | SL-SMT 3.50/03/180G 1.5SN BK RL | 1.35 | 1770240000 | SL AT SW | K.58 | 1781610000 | | I.18 |
| 1723440000 | | M.6 | | SL-SMT 3.50/04/180G 1.5SN BK RL | 1.35 | 1770240000 | SL AT SW | K.60 | 1781620000 | B2L 3.50 AH18 BK BX | I.18 |
| 1723480000 | | M.6 M.6 | 1753014002 | SL-SMT 3.50/05/180G 1.5SN BK RL SL-SMT 3.50/06/180G 1.5SN BK RL | I.35 I.35 | 1770240000 | SLAT SW | K.62 | 1781630000 | B2L 3.50 AH20 BK BX | I.18 |
| 1723490000 1724680000 | | F.38 | 1753024001 1753034001 | SL-SMT 3.50/00/180G 1.55N BK RL | 1.35 | 1770240000 1770240000 | SLAT SW SLAT SW | K.64 K.66 | 1781640000 1781650000 | B2L 3.50 AH22 BK BX B2L 3.50 AH24 BK BX | I.18 I.18 |
| 724690000 | | F.38 | 1753034001 | SL-SMT 3.50/08/180G 1.5SN BK RL | 1.35 | 1770240000 | SLAT SW | K.68 | 1781660000 | B2L 3.50 AH26 BK BX | I.18 |
| 725170000 | SLD 5.08V/04/90 3.2 SN OR BX | K.76 | 1753054001 | SL-SMT 3.50/09/180G 1.5SN BK RL | 1.35 | 1770240000 | SL AT SW | K.70 | 1781680000 | | I.18 |
| 725180000 | SLD 5.08V/06/90 3.2 SN OR BX | K.76 | 1753064001 | SL-SMT 3.50/10/180G 1.5SN BK RL | 1.35 | 1770240000 | SLAT SW | K.72 | 1781690000 | B2L 3.50 AH32 BK BX | I.18 |
| 1725190000 1725200000 | SLD 5.08V/08/90 3.2 SN OR BX SLD 5.08V/10/90 3.2 SN OR BX | K.76 | 1753074001 1758020000 | SL-SMT 3.50/11/180G 1.5SN BK RL LM2NZF 5.08/20/135 3.5SN OR BX | I.35 F.104 | 1770240000 1770240000 | SLAT SW SLAT SW | K.74 K.76 | 1781700000 1781710000 | B2L 3.50 AH34 BK BX B2L 3.50 AH36 BK BX | I.18 I.18 |
| 725210000 | SLD 5.08V/12/90 3.2 SN OR BX | K.76 | 1758030000 | LM3RZF 5.08/30/135 3.5SN OR BX | F.105 | 1770240000 | SLAT SW | K.78 | 1789090000 | BL-I/O 3.50/10F PNP LED SN BK BX | 1.56 |
| 725220000 | | K.76 | | LM3RZF 5.08/21/135 3.5SN OR BX | F.105 | 1770240000 | SLAT SW | K.80 | | BL-I/O 3.50/30F PNP LED SN BK BX | 1.57 |
| 1725230000 | | K.76 | | | | 1770240000 | SL AT SW | K.82 | | | |
| 725240000 | | K.76 | 1760 | 000000 | | 1770240000 | SLAT SW | K.86 | 1790 | 1000000 | |
| 725250000 725260000 | | K.76 | | PM 5.08/02/90 3.5SN OR BX | F.45 | 1770240000 1770240000 | SLAT SW SLAT SW | K.90 K.92 | 1791610000 | | F.44 |
| 725270000 | | K.76 | | PM 5.08/03/90 3.5SN OR BX | F.45 | 1770240000 | SLAT SW | K.93 | 1791620000 | PM 5.00/03/90 3.5SN 0R BX | F.44 |
| 725650000 | | K.77 | 1761544002 | SL-SMT 3.50/02/90G 1.5SN BK RL | I.31 | 1770240000 | SL AT SW | M.11 | 1795690000 | | S.51 |
| 725660000 | | K.77 | | SL-SMT 3.50/03/90G 1.5SN BK RL | I.31 | 1773400000 | RF 180 GR | S.52 | 1797620000 | | K.23 |
| 725670000 | | K.77 | 1761564001 | SL-SMT 3.50/04/90G 1.5SN BK RL | I.31 | 1773400000 | RF 180 GR | S.53 | 1797630000 | SL-SMT 5.00HC/03/90 1.5SN BK RL | K.23 |
| 725680000 725690000 | | K.77 | 1761574002 1761584001 | SL-SMT 3.50/05/90G 1.5SN BK RL SL-SMT 3.50/06/90G 1.5SN BK RL | I.31 I.31 | 1773400000 1774460000 | RF 180 GR SLA BB14 SW | S.54 K.76 | 1797640000 1797650000 | SL-SMT 5.00HC/04/90 1.5SN BK RL SL-SMT 5.00HC/05/90 1.5SN BK RL | K.23 K.23 |
| 725700000 | SLD 5.08V/14/180 3.2SN OR BX | K.77 | 1761594001 | SL-SMT 3.50/07/90G 1.5SN BK RL | 1.31 | 1774460000 | SLA BB14 SW | M.7 | 1797660000 | SL-SMT 5.00HC/06/90 1.5SN BK RL | K.23 |
| 725710000 | SLD 5.08V/16/180 3.2SN OR BX | K.77 | 1761604001 | SL-SMT 3.50/08/90G 1.5SN BK RL | I.31 | 1774470000 | WSM TOOL AUTOMATIK | 0.40 | 1797670000 | SL-SMT 5.00HC/07/90 1.5SN BK RL | K.23 |
| 725720000 | | K.77 | 1761614001 | SL-SMT 3.50/09/90G 1.5SN BK RL | I.31 | 1774470000 | WSM TOOL AUTOMATIK | 0.42 | 1797680000 | SL-SMT 5.00HC/08/90 1.5SN BK RL | K.23 |
| 725730000 | | K.77 | 1761624001 | SL-SMT 3.50/10/90G 1.5SN BK RL | I.31 | 1774470000 | WSM TOOL AUTOMATIK | 0.46 | 1797690000 | SL-SMT 5.00HC/02/90G 1.5SN BK RL | K.23 |
| 725740000 725750000 | | K.77 | 1761634001 1764810000 | SL-SMT 3.50/11/90G 1.5SN BK RL LM2NZF 5.08/04/135 3.5SN OR BX | I.31 F.104 | 1774784001 1774794001 | SL-SMT 5.08HC/04/90 1.5SN BK RL SL-SMT 5.08HC/05/90 1.5SN BK RL | K.51 K.51 | 1797700000 1797710000 | SL-SMT 5.00HC/03/90G 1.5SN BK RL SL-SMT 5.00HC/04/90G 1.5SN BK RL | K.23 |
| 727830000 | S2L 3.50/06/90G 3.5SN OR BX | I.14 | 1764820000 | LM2NZF 5.08/06/135 3.5SN OR BX | F.104 | 1774804001 | SL-SMT 5.08HC/06/90 1.5SN BK RL | K.51 | 1797720000 | SL-SMT 5.00HC/05/90G 1.5SN BK RL | K.23 |
| 727840000 | | I.14 | 1764830000 | LM2NZF 5.08/08/135 3.5SN OR BX | F.104 | 1774814001 | SL-SMT 5.08HC/07/90 1.5SN BK RL | K.51 | 1797730000 | SL-SMT 5.00HC/06/90G 1.5SN BK RL | K.23 |
| 727850000 | | I.14 | 1764840000 | LM2NZF 5.08/10/135 3.5SN OR BX | F.104 | 1774824001 | SL-SMT 5.08HC/08/90 1.5SN BK RL | K.51 | 1797740000 | SL-SMT 5.00HC/07/90G 1.5SN BK RL | K.23 |
| | | 1.14 | 1764850000 1764860000 | LM2NZF 5.08/12/135 3.5SN OR BX | F.104 | 1775014001 | SL-SMT 5.08HC/03/90G 1.5SN BK RL | K.51 | 1797750000 | SL-SMT 5.00HC/02/90LF 1.5SN BK RL | K.25 |
| | | | | LM2NZF 5.08/14/135 3.5SN OR BX | F.104 | 1775024001 | SL-SMT 5.08HC/04/90G 1.5SN BK RL | K.51 | 1797760000 | SL-SMT 5.00HC/03/90LF 1.5SN BK RL | K.25 |
| 727870000 | | I.14 I.14 | | | | 1775034001 | SL-SMT 5.08HC/05/90G 1 55N RK RI | K 51 | 1797770000 | SL-SMT 5.00HC/04/90LF 1 5SN RK RI | K 2F |
| 727870000 727880000 | S2L 3.50/16/90G 3.5SN OR BX | I.14 I.14 I.14 | 1764870000 1764880000 | LM2NZF 5.08/16/135 3.5SN OR BX LM2NZF 5.08/18/135 3.5SN OR BX | F.104 F.104 | 1775034001 1775044001 | SL-SMT 5.08HC/05/90G 1.5SN BK RL SL-SMT 5.08HC/06/90G 1.5SN BK RL | K.51 K.51 | 1797770000 1797780000 | SLSMT 5.00HC/04/90LF 1.5SN BK RL SLSMT 5.00HC/05/90LF 1.5SN BK RL | |
| 1727860000 1727870000 1727880000 1727890000 1727900000 | S2L 3.50/16/90G 3.5SN OR BX S2L 3.50/18/90G 3.5SN OR BX | I.14 | 1764870000 | LM2NZF 5.08/16/135 3.5SN OR BX | F.104 | | | | | SL-SMT 5.00HC/05/90LF 1.5SN BK RL | K.25 K.25 K.25 |



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| Order No. | Туре | Page | Order No. | Туре | Page | Order No. | Туре | Page | Order No. | Туре |
|--------------------------|-------------------------------------------------------------------------|--------------|--------------------------|--------------------------------------------------------------------|--------------|--------------------------|----------------------------------------------------------------------------|--------------|--------------------------|------------------------------------|
| 1797810000 | SL-SMT 5.00HC/03/180 1.5SN BK RL | K.27 | 1820770000 | SL-SMT 5.08HC/05/180F 3.2SN BK BX | K.58 | 1825840000 | LSF-SMT 3.81/07/180 3.5SN BK TU | F.56 | 1838450000 | SL-SMT 5.08HC/03/180LF 3.2SN BK BX |
| 1797820000 | | K.27 | 1820780000 | SL-SMT 5.08HC/10/180F 3.2SN BK BX | K.58 | 1825850000 | LSF-SMT 3.81/08/180 3.5SN BK TU | F.56 | 1838460000 | |
| 1797830000 | SL-SMT 5.00HC/05/180 1.5SN BK RL | K.27 | 1821100000 | SL-SMT 5.08HC/02/180 1.5SN BK RL | K.57 | 1825870000 | LSF-SMT 3.81/09/180 3.5SN BK TU | F.56 | 1838470000 | SL-SMT 5.08HC/05/180LF 3.2SN BK BX |
| 1797840000 | | K.27 | 1821110000 | SL-SMT 5.08HC/03/180 1.5SN BK RL | K.57 | 1825880000 | | F.56 | 1838480000 | |
| 1797850000 | SL-SMT 5.00HC/07/180 1.5SN BK RL | K.27 | 1821140000 | SL-SMT 5.08HC/02/90G 1.5SN BK RL | K.51 | 1825890000 | LSF-SMT 3.81/11/180 3.5SN BK TU | F.56 | 1838490000 | |
| 1797860000 1797870000 | SL-SMT 5.00HC/08/180 1.5SN BK RL SL-SMT 5.00HC/02/180G 1.5SN BK RL | K.27 K.27 | 1821160000 1821170000 | SL-SMT 5.08HC/02/90 1.5SN BK RL SL-SMT 5.08HC/03/90 1.5SN BK RL | K.51 K.51 | 1825920000 1825960000 | LSF-SMT 3.81/12/180 3.5SN BK TU LSF-SMT 5.00/02/180 3.5SN BK TU | F.56 F.62 | 1838500000 1838510000 | |
| 1797880000 | SL-SMT 5.00HC/03/180G 1.5SN BK RL | K.27 | 1821490000 | LM 5.00/04/90 3.5SN OR BX | F.24 | 1825970000 | LSF-SMT 5.00/03/180 3.5SN BK TU | F.62 | 1838520000 | |
| 1797890000 | SL-SMT 5.00HC/04/180G 1.5SN BK RL | K.27 | 1824410000 | KO BU/SU10.16HP BK | 0.76 | 1825980000 | LSF-SMT 5.00/04/180 3.5SN BK TU | F.62 | 1838530000 | |
| 1797900000 | | K.27 | 1824410000 | KO BU/SU10.16HP BK | 0.78 | 1825990000 | LSF-SMT 5.00/05/180 3.5SN BK TU | F.62 | 1838540000 | |
| 1797910000 | SL-SMT 5.00HC/06/180G 1.5SN BK RL | K.27 | 1824410000 | KO BU/SU10.16HP BK | 0.80 | 1826000000 | LSF-SMT 5.00/06/180 3.5SN BK TU | F.62 | 1839770000 | |
| 1797920000 1797930000 | SL-SMT 5.00HC/07/180G 1.5SN BK RL SL-SMT 5.00HC/02/180LF 1.5SN BK RL | K.27 K.29 | 1824410000 1824410000 | KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 0.82 | 1826010000 1826020000 | LSF-SMT 5.00/07/180 3.5SN BK TU LSF-SMT 5.00/08/180 3.5SN BK TU | F.62 | 1839890000 1839900000 | |
| 1797940000 | | K.29 | 1824410000 | KO BU/SU10.16HP BK | 0.86 | 1826040000 | LSF-SMT 5.08/02/180 3.5SN BK TU | F.68 | 1839910000 | |
| 1797950000 | | K.29 | 1824410000 | KO BU/SU10.16HP BK | 0.88 | 1826060000 | | F.68 | 1839920000 | |
| 1797960000 | SL-SMT 5.00HC/05/180LF 1.5SN BK RL | K.29 | 1824410000 | KO BU/SU10.16HP BK | 0.90 | 1826070000 | LSF-SMT 5.08/04/180 3.5SN BK TU | F.68 | 1839930000 | SL-SMT 5.00HC/06/90 3.2SN BK BX |
| 1797970000 | SL-SMT 5.00HC/06/180LF 1.5SN BK RL | K.29 | 1824410000 | KO BU/SU10.16HP BK | 0.92 | 1826080000 | LSF-SMT 5.08/05/180 3.5SN BK TU | F.68 | 1839940000 | |
| 4000 | 200000 | | 1824410000 | KO BU/SU10.16HP BK | 0.94 | 1826100000 | LSF-SMT 5.08/06/180 3.5SN BK TU | F.68 | 1839950000 | |
| 1800 | 000000 | | 1824410000 1824410000 | KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 0.96 | 1826110000 1826120000 | LSF-SMT 5.08/07/180 3.5SN BK TU LSF-SMT 5.08/08/180 3.5SN BK TU | F.68 | 1839960000 1839970000 | |
| 1803790000 | DFFC EW2 | M.14 | 1824410000 | KO BU/SU10.16HP BK | 0.100 | 1826130000 | LSF-SMT 7.50/02/180 3.5SN BK TU | F.74 | 1839980000 | |
| 1804340000 | SL-SMT 3.50/12/90LF 3.2SN BK BX | I.31 | 1824410000 | KO BU/SU10.16HP BK | 0.210 | 1826140000 | LSF-SMT 7.50/03/180 3.5SN BK TU | F.74 | 1839990000 | SL-SMT 5.00HC/12/90 3.2SN BK BX |
| 1805210000 | | 1.35 | 1824410000 | KO BU/SU10.16HP BK | 0.212 | 1826150000 | LSF-SMT 7.50/04/180 3.5SN BK TU | F.74 | | |
| 1805230000 | | 1.35 | 1824410000 | KO BU/SU10.16HP BK | 0.214 | 1826160000 | LSF-SMT 7.50/05/180 3.5SN BK TU | F.74 | 1840 | 000000 |
| 1805240000 1805250000 | | 1.35 | 1824410000 1824410000 | KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 0.216 | 1826170000 1826180000 | LSF-SMT 7.50/06/180 3.5SN BK TU LSF-SMT 7.50/07/180 3.5SN BK TU | F.74 F.74 | 1840120000 | SL-SMT 5.00HC/02/90G 3.2SN BK BX |
| 1805270000 | | 1.35 | 1824410000 | KO BU/SU10.16HP BK | 0.220 | 1826190000 | LSF-SMT 7.50/08/180 3.5SN BK TU | F.74 | 1840130000 | |
| 1805280000 | | 1.35 | 1824410000 | KO BU/SU10.16HP BK | 0.222 | 1826210000 | LSF-SMT 7.62/02/180 3.5SN BK TU | F.80 | 1840140000 | SL-SMT 5.00HC/04/90G 3.2SN BK BX |
| 1805290000 | | 1.35 | 1824410000 | KO BU/SU10.16HP BK | 0.224 | 1826220000 | LSF-SMT 7.62/03/180 3.5SN BK TU | F.80 | 1840150000 | |
| 1805300000 | | 1.35 | 1824410000 | KO BU/SU10.16HP BK | 0.226 | | | F.80 | 1840160000 | |
| 1805310000 1805320000 | SL-SMT 3.50/02/90LF 1.5SN BK RL SL-SMT 3.50/03/90LF 1.5SN BK RL | I.31 I.31 | 1824410000 1824410000 | KO BU/SU10.16HP BK KO BU/SU10.16HP BK | 0.228 | 1826240000 1826250000 | LSF-SMT 7.62/05/180 3.5SN BK TU LSF-SMT 7.62/06/180 3.5SN BK TU | F.80 F.80 | 1840170000 1840180000 | |
| 1805320000 | | 1.31 | 1824410000 | KO BU/SU10.16HP BK | R.4 | 1826260000 | LSF-SMT 7.62/07/180 3.5SN BK TU | F.80 | 1840190000 | |
| 1805340000 | SL-SMT 3.50/05/90LF 1.5SN BK RL | 1.31 | 1824420000 | LSF-SMT 3.50/02/90 3.5SN BK TU | F.46 | 1826270000 | LSF-SMT 7.62/08/180 3.5SN BK TU | F.80 | 1840200000 | |
| 1805350000 | | 1.31 | 1824430000 | LSF-SMT 3.50/03/90 3.5SN BK TU | F.46 | 1828770000 | SLDV-THR 5.08/04/180F 3.2SN BK BX | K.66 | 1840210000 | |
| 1805360000 | | 1.31 | 1824440000 | LSF-SMT 3.50/04/90 3.5SN BK TU | F.46 | 1828780000 | SLDV-THR 5.08/06/180F 3.2SN BK BX | K.66 | 1840220000 | |
| 1805370000 1805380000 | | I.31 I.31 | 1824450000 1824460000 | LSF-SMT 3.50/05/90 3.5SN BK TU LSF-SMT 3.50/06/90 3.5SN BK TU | F.46 F.46 | 1828790000 1828800000 | SLDV-THR 5.08/08/180F 3.2SN BK BX SLDV-THR 5.08/10/180F 3.2SN BK BX | K.66 | 1840350000 1840360000 | |
| 100000000 | 323WT 3.30/03/30EF 1.33W BK TIE | 1.01 | 1824470000 | LSF-SMT 3.50/07/90 3.5SN BK TU | F.46 | 1828810000 | SLDV-THR 5.08/12/180F 3.2SN BK BX | K.66 | 1840370000 | |
| 1910 | 000000 | | 1824480000 | LSF-SMT 3.50/08/90 3.5SN BK TU | F.46 | 1828820000 | SLDV-THR 5.08/14/180F 3.2SN BK BX | K.66 | 1840380000 | |
| | | | 1824490000 | LSF-SMT 3.50/09/90 3.5SN BK TU | F.46 | 1828830000 | SLDV-THR 5.08/16/180F 3.2SN BK BX | K.66 | 1840390000 | |
| 1813330000 | | 0.210 | | LSF-SMT 3.50/10/90 3.5SN BK TU | F.46 | 1828840000 | | K.66 | 1840400000 | |
| 1813340000 1813350000 | SU 10.16HP/03/90G 3.5AG BK BX SU 10.16HP/04/90G 3.5AG BK BX | 0.210 | 1824510000 | LSF-SMT 3.50/11/90 3.5SN BK TU | F.46 F.46 | 1828850000 1828860000 | SLDV-THR 5.08/20/180F 3.2SN BK BX | K.66 | 1840410000 1840420000 | |
| 1813360000 | SU 10.16HP/05/90G 3.5AG BK BX | 0.210 | 1824520000 1824620000 | LSF-SMT 3.50/12/90 3.5SN BK TU LSF-SMT 3.81/02/90 3.5SN BK TU | F.52 | 1828870000 | SLDV-THR 5.08/22/180F 3.2SN BK BX SLDV-THR 5.08/24/180F 3.2SN BK BX | K.66 | 1840430000 | |
| 1813370000 | SU 10.16HP/06/90G 3.5AG BK BX | 0.210 | 1824630000 | LSF-SMT 3.81/03/90 3.5SN BK TU | F.52 | 1829010000 | SLDV-THR 5.08/04/180FLF 3.2SN BK BX | K.67 | 1840440000 | |
| 1813380000 | SU 10.16HP/07/90G 3.5AG BK BX | 0.210 | 1824640000 | LSF-SMT 3.81/04/90 3.5SN BK TU | F.52 | 1829020000 | SLDV-THR 5.08/06/180FLF 3.2SN BK BX | K.67 | 1840450000 | |
| 1813390000 | SU 10.16HP/08/90G 3.5AG BK BX | 0.210 | 1824650000 | LSF-SMT 3.81/05/90 3.5SN BK TU | F.52 | 1829030000 | SLDV-THR 5.08/08/180FLF 3.2SN BK BX | K.67 | 1840920000 | |
| 1813400000 1813410000 | SU 10.16HP/09/90G 3.5AG BK BX SU 10.16HP/02/180G 3.5AG BK BX | 0.210 | 1824660000 1824690000 | LSF-SMT 3.81/06/90 3.5SN BK TU LSF-SMT 3.81/07/90 3.5SN BK TU | F.52 F.52 | 1829040000 1829050000 | SLDV-THR 5.08/10/180FLF 3.2SN BK BX SLDV-THR 5.08/12/180FLF 3.2SN BK BX | K.67 | 1840930000 1840940000 | |
| 1813420000 | SU 10.16HP/03/180G 3.5AG BK BX | 0.214 | 1824700000 | LSF-SMT 3.81/08/90 3.5SN BK TU | F.52 | 1829060000 | SLDV-THR 5.08/14/180FLF 3.2SN BK BX | K.67 | 1840950000 | |
| 1813430000 | SU 10.16HP/04/180G 3.5AG BK BX | 0.214 | 1824710000 | LSF-SMT 3.81/09/90 3.5SN BK TU | F.52 | 1829070000 | SLDV-THR 5.08/16/180FLF 3.2SN BK BX | K.67 | 1840960000 | |
| 1813440000 | | 0.214 | 1824720000 | LSF-SMT 3.81/10/90 3.5SN BK TU | F.52 | 1829080000 | SLDV-THR 5.08/18/180FLF 3.2SN BK BX | K.67 | 1840970000 | |
| 1813450000 | | 0.214 | 1824730000 | LSF-SMT 3.81/11/90 3.5SN BK TU | F.52 | 1829090000 | | K.67 | 1840980000 | |
| 1813460000 1813470000 | SU 10.16HP/07/180G 3.5AG BK BX SU 10.16HP/08/180G 3.5AG BK BX | 0.214 | 1824740000 1824750000 | LSF-SMT 5.00/02/90 3.5SN BK TU LSF-SMT 5.00/03/90 3.5SN BK TU | F.58 F.58 | 1829100000 1829110000 | SLDV-THR 5.08/22/180FLF 3.2SN BK BX SLDV-THR 5.08/24/180FLF 3.2SN BK BX | K.67 | 1840990000 1841000000 | |
| 1813480000 | | 0.214 | 1824760000 | LSF-SMT 5.00/04/90 3.5SN BK TU | F.58 | 1023110000 | 3LUV-1 HN 3.00/24/ 100FLF 3.23N BK BX | K.07 | 1841020000 | |
| 1813490000 | SU 10.16HP/02/270G 3.5AG BK BX | 0.216 | 1824770000 | LSF-SMT 5.00/05/90 3.5SN BK TU | F.58 | 1920 | 000000 | | 1841030000 | |
| 1813500000 | SU 10.16HP/03/270G 3.5AG BK BX | 0.216 | 1824780000 | LSF-SMT 5.00/06/90 3.5SN BK TU | F.58 | 1030 | 100000 | | 1841160000 | SL-SMT 5.00HC/02/180G 3.2SN BK BX |
| 1813510000 | | 0.216 | | LSF-SMT 5.00/07/90 3.5SN BK TU | F.58 | | SL-SMT 3.50/10/180G 3.2SN BK BX | 1.34 | 1841170000 | |
| 1813520000 1813530000 | | 0.216 | | LSF-SMT 5.00/08/90 3.5SN BK TU LSF-SMT 5.08/02/90 3.5SN BK TU | F.58 | 1837630000 1837640000 | SL-SMT 5.08HC/02/90F 3.2SN BK BX | K.52 | 1841180000 1841190000 | |
| 1813540000 | | 0.216 | | LSF-SMT 5.08/02/90 3.55N BK TU | F.64 F.64 | 1837650000 | | K.52 K.52 | 1841200000 | |
| 1813550000 | SU 10.16HP/08/270G 3.5AG BK BX | 0.216 | 1824830000 | LSF-SMT 5.08/04/90 3.5SN BK TU | F.64 | 1837660000 | SL-SMT 5.08HC/05/90F 3.2SN BK BX | K.52 | 1841210000 | SL-SMT 5.00HC/07/180G 3.2SN BK BX |
| 1813560000 | SU 10.16HP/09/270G 3.5AG BK BX | 0.216 | 1824840000 | LSF-SMT 5.08/05/90 3.5SN BK TU | F.64 | 1837670000 | SL-SMT 5.08HC/06/90F 3.2SN BK BX | K.52 | 1841220000 | |
| 1813570000 | SU 10.16HP/02/90F 3.5AG BK BX | 0.211 | | LSF-SMT 5.08/06/90 3.5SN BK TU | F.64 | 1837680000 | | K.52 | 1841230000 | |
| 1813580000 | SU 10.16HP/03/90F 3.5AG BK BX | 0.211 | 1824860000 1824870000 | LSF-SMT 5.08/07/90 3.5SN BK TU LSF-SMT 5.08/08/90 3.5SN BK TU | F.64 F.64 | 1837690000 | SL-SMT 5.08HC/08/90F 3.2SN BK BX SL-SMT 5.08HC/09/90F 3.2SN BK BX | K.52 K.52 | 1841240000 1841250000 | |
| 1813590000 1813600000 | SU 10.16HP/04/90F 3.5AG BK BX SU 10.16HP/05/90F 3.5AG BK BX | 0.211 | | LSF-SMT 7.50/02/90 3.5SN BK TU | F.70 | 1837700000 1837710000 | SL-SMT 5.08HC/10/90F 3.2SN BK BX | K.52 | 1841250000 | |
| 1813610000 | SU 10.16HP/06/90F 3.5AG BK BX | 0.211 | 1824890000 | LSF-SMT 7.50/03/90 3.5SN BK TU | F.70 | 1837720000 | SL-SMT 5.08HC/11/90F 3.2SN BK BX | K.52 | 1841390000 | |
| 1813620000 | SU 10.16HP/07/90F 3.5AG BK BX | 0.211 | 1824900000 | LSF-SMT 7.50/04/90 3.5SN BK TU | F.70 | 1837730000 | SL-SMT 5.08HC/12/90F 3.2SN BK BX | K.52 | 1841400000 | SL-SMT 5.00HC/03/180LF 3.2SN BK BX |
| 1813630000 | SU 10.16HP/08/90F 3.5AG BK BX | 0.211 | 1824910000 | LSF-SMT 7.50/05/90 3.5SN BK TU | F.70 | 1837860000 | | K.58 | 1841410000 | SL-SMT 5.00HC/04/180LF 3.2SN BK BX |
| 1813640000 1813650000 | SU 10.16HP/09/90F 3.5AG BK BX SU 10.16HP/02/180F 3.5AG BK BX | 0.211 | 1824920000 1824930000 | LSF-SMT 7.50/06/90 3.5SN BK TU LSF-SMT 7.50/07/90 3.5SN BK TU | F.70 F.70 | 1837870000 1837880000 | SL-SMT 5.08HC/04/180F 3.2SN BK BX SL-SMT 5.08HC/07/180F 3.2SN BK BX | K.58 | 1841420000 1841430000 | |
| 1813660000 | SU 10.16HP/03/180F 3.5AG BK BX | 0.215 | 1824940000 | LSF-SMT 7.50/08/90 3.5SN BK TU | F.70 | 1837890000 | SL-SMT 5.08HC/09/180F 3.2SN BK BX | K.58 | 1841440000 | |
| 1813670000 | SU 10.16HP/04/180F 3.5AG BK BX | 0.215 | 1824950000 | LSF-SMT 7.62/02/90 3.5SN BK TU | F.76 | 1837900000 | SL-SMT 5.08HC/11/180F 3.2SN BK BX | K.58 | 1841450000 | |
| 1813680000 | SU 10.16HP/05/180F 3.5AG BK BX | 0.215 | | LSF-SMT 7.62/03/90 3.5SN BK TU | F.76 | 1837980000 | | K.56 | 1841460000 | |
| 1813690000 | SU 10.16HP/06/180F 3.5AG BK BX | 0.215 | | LSF-SMT 7.62/04/90 3.5SN BK TU | F.76 | 1837990000 | | K.56 | 1841470000 | |
| 1813700000 1813710000 | SU 10.16HP/07/180F 3.5AG BK BX SU 10.16HP/08/180F 3.5AG BK BX | 0.215 | 1824980000 1824990000 | LSF-SMT 7.62/05/90 3.5SN BK TU LSF-SMT 7.62/06/90 3.5SN BK TU | F.76 F.76 | 1838000000 1838010000 | SL-SMT 5.08HC/04/180 3.2SN BK BX SL-SMT 5.08HC/05/180 3.2SN BK BX | K.56 | 1841480000 1841490000 | |
| 1813720000 | SU 10.16HP/09/180F 3.5AG BK BX | 0.215 | | LSF-SMT 7.62/07/90 3.5SN BK TU | F.76 | 1838020000 | | K.56 | 1841630000 | |
| 1813730000 | SU 10.16HP/02/270F 3.5AG BK BX | 0.217 | 1825010000 | LSF-SMT 7.62/08/90 3.5SN BK TU | F.76 | 1838030000 | SL-SMT 5.08HC/07/180 3.2SN BK BX | K.56 | 1841640000 | |
| 1813740000 | SU 10.16HP/03/270F 3.5AG BK BX | 0.217 | 1825300000 | LSF-SMT 3.81/12/90 3.5SN BK TU | F.52 | 1838040000 | | K.56 | 1841650000 | |
| 1813750000 | SU 10.16HP/04/270F 3.5AG BK BX | 0.217 | | LSF-SMT 3.50/02/180 3.5SN BK TU | F.50 | 1838050000 | | K.56 | 1841660000 | |
| 1813760000 1813770000 | SU 10.16HP/05/270F 3.5AG BK BX | 0.217 | 1825650000 1825660000 | LSF-SMT 3.50/03/180 3.5SN BK TU LSF-SMT 3.50/04/180 3.5SN BK TU | F.50 F.50 | 1838060000 1838070000 | SL-SMT 5.08HC/10/180 3.2SN BK BX | K.56 | 1841670000 1841680000 | |
| 1813770000 | SU 10.16HP/06/270F 3.5AG BK BX SU 10.16HP/07/270F 3.5AG BK BX | 0.217 | 1825670000 | LSF-SMT 3.50/05/180 3.5SN BK TU | F.50 | 1838070000 | SL-SMT 5.08HC/11/180 3.2SN BK BX SL-SMT 5.08HC/12/180 3.2SN BK BX | K.56 | 1841690000 | |
| 1813790000 | SU 10.16HP/08/270F 3.5AG BK BX | 0.217 | 1825680000 | LSF-SMT 3.50/06/180 3.5SN BK TU | F.50 | 1838210000 | SL-SMT 5.08HC/02/180G 3.2SN BK BX | K.57 | 1841700000 | SL-SMT 3.50/09/90G 3.2SN BK BX |
| 1813800000 | SU 10.16HP/09/270F 3.5AG BK BX | 0.217 | 1825690000 | LSF-SMT 3.50/07/180 3.5SN BK TU | F.50 | 1838220000 | | K.57 | 1841710000 | |
| 1814590000 | | I.6 | 1825700000 | LSF-SMT 3.50/08/180 3.5SN BK TU | F.50 | 1838230000 | | K.57 | 1841720000 | |
| 1814590000 | S2L/S2C 3.5 FLA 20/10 SMD | M.8 | 1825710000 1825720000 | LSF-SMT 3.50/09/180 3.5SN BK TU LSF-SMT 3.50/10/180 3.5SN BK TU | F.50 F.50 | 1838240000 1838250000 | SL-SMT 5.08HC/05/180G 3.2SN BK BX SL-SMT 5.08HC/06/180G 3.2SN BK BX | K.57 | 1841730000 1841860000 | |
| 1020 | 000000 | | 1825730000 | LSF-SMT 3.50/10/180 3.5SN BK TU | F.50 | 1838260000 | | K.57 | 1841870000 | |
| 102 | טטטטטט | | 1825740000 | LSF-SMT 3.50/12/180 3.5SN BK TU | F.50 | 1838270000 | SL-SMT 5.08HC/08/180G 3.2SN BK BX | K.57 | 1841880000 | |
| 1820170000 | | K.57 | 1825790000 | LSF-SMT 3.81/02/180 3.5SN BK TU | F.56 | 1838280000 | | K.57 | 1841890000 | |
| 1820600000 1820610000 | | K.58 K.58 | | LSF-SMT 3.81/03/180 3.5SN BK TU LSF-SMT 3.81/04/180 3.5SN BK TU | F.56 F.56 | | SL-SMT 5.08HC/10/180G 3.2SN BK BX SL-SMT 5.08HC/11/180G 3.2SN BK BX | K.57 | 1841900000 1841910000 | |
| | 00, 1001 0.2011 DILDA | 11.00 | 00,0000 | , 5 i) 100 0.00H DIX 10 | 1.00 | | , 11, 1000 0.20N DN DN | 11.07 | | , 27, 00E1 0.EUIT DIL DA |

1825820000 LSF-SMT 3.81/05/180 3.5SN BK TU

1825830000 LSF-SMT 3.81/06/180 3.5SN BK TU

K.58

K.58

F.56

F.56

1838310000 SLSMT 5.08HC/12/180G 3.2SN BK BX

1838440000 SL-SMT 5.08HC/02/180LF 3.2SN BK BX

K.57

K.60

Weidmüller ₹ X.31

1841920000 SL-SMT 3.50/08/90LF 3.2SN BK BX

1841930000 SLSMT 3.50/09/90LF 3.2SN BK BX

1820620000 SL-SMT 5.08HC/08/180F 3.2SN BK BX

1820630000 SL-SMT 5.08HC/12/180F 3.2SN BK BX

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|--------------------------|----------------------------------------------------------------------|----------------|--------------------------|------------------------------------------------------------------------|----------------|--------------------------|----------------------------------------------------------------|---------|--------------------------|--------------------------------------------------------------------|--------------|
| 1841940000 | | I.31 | | SLS 5.08/12/180TB KF SN OR BX | K.93 | 1862770000 | | | 1869760000 | | F.70 |
| 1841950000 1842080000 | SL-SMT 3.50/11/90LF 3.2SN BK BX SL-SMT 3.50/02/90F 3.2SN BK BX | I.31 I.32 | 1846210000 1846220000 | SLS 5.08/02/180FI SN OR BX SLS 5.08/03/180FI SN OR BX | K.91 K.91 | 1862790000 1862820000 | SC-SMT 3.81/05/90LF 1.5SN BK SC-SMT 3.81/06/90LF 1.5SN BK | | 1869770000 1869780000 | LSF-SMT 7.50/05/90 1.5SN BK TU LSF-SMT 7.50/06/90 1.5SN BK TU | F.70 F.70 |
| 1842090000 | SL-SMT 3.50/03/90F 3.2SN BK BX | 1.32 | 1846230000 | SLS 5.08/04/180FI SN OR BX | K.91 | 1862830000 | SC-SMT 3.81/07/90LF 1.5SN BK | RL J.9 | 1869790000 | LSF-SMT 7.50/07/90 1.5SN BK TU | F.70 |
| 1842100000 1842110000 | SL-SMT 3.50/04/90F 3.2SN BK BX SL-SMT 3.50/05/90F 3.2SN BK BX | 1.32 | | SLS 5.08/05/180FI SN OR BX SLS 5.08/06/180FI SN OR BX | K.91 K.91 | 1862850000 1862920000 | SC-SMT 3.81/08/90LF 1.5SN BK SC-SMT 3.81/02/180G 3.2SN BK | | 1869800000 1869810000 | LSF-SMT 7.50/08/90 1.5SN BK TU LSF-SMT 7.62/02/180 1.5SN BK TU | F.70 F.80 |
| 1842120000 | SL-SMT 3.50/06/90F 3.2SN BK BX | 1.32 | | SLS 5.08/07/180FI SN OR BX | K.91 | 1862940000 | SC-SMT 3.81/03/180G 3.2SN BK | | 1869830000 | LSF-SMT 7.62/03/180 1.5SN BK TU | F.80 |
| 1842130000 1842140000 | SL-SMT 3.50/07/90F 3.2SN BK BX SL-SMT 3.50/08/90F 3.2SN BK BX | 1.32 | | SLS 5.08/08/180FI SN OR BX SLS 5.08/09/180FI SN OR BX | K.91 K.91 | 1862950000 1863010000 | SC-SMT 3.81/04/180G 3.2SN BK SC-SMT 3.81/05/180G 3.2SN BK | | 1869840000 1869850000 | LSF-SMT 7.62/04/180 1.5SN BK TU LSF-SMT 7.62/05/180 1.5SN BK TU | F.80 F.80 |
| 1842150000 | SL-SMT 3.50/09/90F 3.2SN BK BX | 1.32 | 1846290000 | SLS 5.08/10/180FI SN OR BX | K.91 | 1863020000 | SC-SMT 3.81/06/180G 3.2SN BK | BX J.10 | 1869860000 | LSF-SMT 7.62/06/180 1.5SN BK TU | F.80 |
| 1842160000 1842170000 | SL-SMT 3.50/10/90F 3.2SN BK BX SL-SMT 3.50/11/90F 3.2SN BK BX | 1.32 | 1846300000 1846310000 | SLS 5.08/11/180FI SN OR BX SLS 5.08/12/180FI SN OR BX | K.91 K.91 | 1863030000 1863140000 | SC-SMT 3.81/07/180G 3.2SN BK SC-SMT 3.81/02/90G 1.5SN BK F | | 1869870000 1869880000 | LSF-SMT 7.62/07/180 1.5SN BK TU LSF-SMT 7.62/08/180 1.5SN BK TU | F.80 F.80 |
| 1842180000 | SL-SMT 3.50/12/90F 3.2SN BK BX | 1.32 | 1846360000 | SLS 5.08/02/180F SN OR BX | K.91 | 1863150000 | SC-SMT 3.81/03/90G 1.5SN BK F | L J.9 | 1869890000 | LSF-SMT 3.81/02/180 1.5SN BK TU | F.56 |
| 1842320000 1842330000 | SL-SMT 3.50/02/180G 3.2SN BK BX SL-SMT 3.50/03/180G 3.2SN BK BX | 1.34 | | SLS 5.08/03/180F SN OR BX SLS 5.08/04/180F SN OR BX | K.91 K.91 | 1863160000 1863170000 | SC-SMT 3.81/04/90G 1.5SN BK F SC-SMT 3.81/05/90G 1.5SN BK F | | 1869900000 1869910000 | LSF-SMT 3.81/03/180 1.5SN BK TU LSF-SMT 3.81/04/180 1.5SN BK TU | F.56 F.56 |
| 1842340000 | SL-SMT 3.50/04/180G 3.2SN BK BX | 1.34 | 1846390000 | SLS 5.08/05/180F SN OR BX | K.91 | 1863180000 | SC-SMT 3.81/06/90G 1.5SN BK F | L J.9 | 1869920000 | LSF-SMT 3.81/05/180 1.5SN BK TU | F.56 |
| 1842350000 1842360000 | | 1.34 | | SLS 5.08/06/180F SN OR BX SLS 5.08/07/180F SN OR BX | K.91 K.91 | 1863190000 1863200000 | SC-SMT 3.81/07/90G 1.5SN BK R SC-SMT 3.81/08/90G 1.5SN BK R | | 1869930000 1869940000 | | F.56 F.56 |
| 1842370000 | SL-SMT 3.50/07/180G 3.2SN BK BX | 1.34 | | SLS 5.08/08/180F SN OR BX | K.91 | 1863210000 | SC-SMT 3.81/09/90G 1.5SN BK F | L J.9 | 1869950000 | LSF-SMT 3.81/08/180 1.5SN BK TU | F.56 |
| 1842380000 1842390000 | SL-SMT 3.50/08/180G 3.2SN BK BX SL-SMT 3.50/09/180G 3.2SN BK BX | 1.34 | | SLS 5.08/09/180F SN OR BX SLS 5.08/10/180F SN OR BX | K.91 K.91 | 1863220000 1863230000 | SC-SMT 3.81/10/90G 1.5SN BK R SC-SMT 3.81/02/180LF 3.2SN BR | | 1869960000 | LSF-SMT 3.81/09/180 1.5SN BK TU LSF-SMT 3.81/10/180 1.5SN BK TU | F.56 F.56 |
| 1842400000 | | 1.34 | | SLS 5.08/11/180F SN OR BX | K.91 | 1863240000 | SC-SMT 3.81/08/180G 3.2SN BK | | 1003370000 | 231-3WH 3.01/10/100 1.33W BK 10 | 1.30 |
| 1842410000 1842540000 | SL-SMT 3.50/12/180G 3.2SN BK BX SL-SMT 3.50/02/180LF 3.2SN BK BX | 1.34 | | SLS 5.08/12/180F SN OR BX BLZ 5.08/04/180FQV2 SN OR BX PRT | K.91 K.107 | 1863250000 1863260000 | SC-SMT 3.81/03/180LF 3.2SN BI SC-SMT 3.81/04/180LF 3.2SN BI | | 1870 | 000000 | |
| 1842550000 | | 1.35 | 1849730000 | B2L/S2L 3.50 KO OR BX | 1.6 | 1863270000 | SC-SMT 3.81/09/180G 3.2SN BK | | 1870000000 | | F.56 |
| 1842560000 | | 1.35 | 1849730000 1849730000 | B2L/S2L 3.50 K0 OR BX | 1.8 | 1863280000 | SC-SMT 3.81/05/180LF 3.2SN BN SC-SMT 3.81/10/180G 3.2SN BK | | 1870010000 1870140000 | LSF-SMT 3.81/12/180 1.5SN BK TU | F.56 F.62 |
| 1842570000 1842580000 | SL-SMT 3.50/05/180LF 3.2SN BK BX SL-SMT 3.50/06/180LF 3.2SN BK BX | 1.35 | | B2L/S2L 3.50 KO OR BX B2L/S2L 3.50 KO OR BX | I.10 I.12 | 1863290000 1863300000 | SC-SMT 3.81/10/1806 3.25N BK | | 1870150000 | LSF-SMT 5.00/02/180 1.5SN BK TU LSF-SMT 5.00/03/180 1.5SN BK TU | F.62 |
| 1842590000 | | 1.35 | | B2L/S2L 3.50 KO OR BX | 1.14 | 1863310000 | SC-SMT 3.81/07/180LF 3.2SN BK | | 1870160000 | LSF-SMT 5.00/04/180 1.5SN BK TU | F.62 |
| 1842600000 1842610000 | SL-SMT 3.50/08/180LF 3.2SN BK BX SL-SMT 3.50/09/180LF 3.2SN BK BX | 1.35 | 1849730000 1849730000 | B2L/S2L 3.50 K0 OR BX B2L/S2L 3.50 K0 OR BX | I.16 I.18 | 1863320000 1863330000 | SC-SMT 3.81/11/180G 3.2SN BK SC-SMT 3.81/12/180G 3.2SN BK | | 1870170000 1870180000 | LSF-SMT 5.00/05/180 1.5SN BK TU LSF-SMT 5.00/06/180 1.5SN BK TU | F.62 |
| 1842620000 | SL-SMT 3.50/10/180LF 3.2SN BK BX | 1.35 | | B2L/S2L 3.50 KO OR BX | M.10 | 1863340000 | | BX J.11 | 1870190000 | LSF-SMT 5.00/07/180 1.5SN BK TU | F.62 |
| 1842630000 1842640000 | SL-SMT 3.50/11/180LF 3.2SN BK BX SL-SMT 3.50/12/180LF 3.2SN BK BX | 1.35 | | B2L/S2L 3.50 K0 BK BX B2L/S2L 3.50 K0 BK BX | 1.6 | 1863360000 1863380000 | SC-SMT 3.81/09/180LF 3.2SN BH SC-SMT 3.81/10/180LF 3.2SN BK | | 1870200000 1870210000 | LSF-SMT 5.00/08/180 1.5SN BK TU LSF-SMT 5.08/02/180 1.5SN BK TU | F.62 F.68 |
| 1843750000 | BLL 5.08/02/90FI 3.2SN OR BX | K.119 | 1849740000 | B2L/S2L 3.50 KO BK BX | I.10 | 1863390000 | SC-SMT 3.81/11/180LF 3.2SN BK | BX J.11 | 1870220000 | LSF-SMT 5.08/03/180 1.5SN BK TU | F.68 |
| 1843760000 1843770000 | BLL 5.08/03/90FI 3.2SN OR BX BLL 5.08/04/90FI 3.2SN OR BX | K.119 K.119 | 1849740000 1849740000 | B2L/S2L 3.50 K0 BK BX B2L/S2L 3.50 K0 BK BX | I.12 I.14 | 1863410000 1863490000 | SC-SMT 3.81/12/180LF 3.2SN BK SC-SMT 3.81/04/180G 3.2SN BK | | 1870230000 1870240000 | LSF-SMT 5.08/04/180 1.5SN BK TU LSF-SMT 5.08/05/180 1.5SN BK TU | F.68 F.68 |
| 1843780000 | | K.119 | 1849740000 | B2L/S2L 3.50 K0 BK BX | 1.16 | 1863670000 | SC-SMT 3.81/02/90LF 3.2SN BK | BX J.9 | 1870250000 | LSF-SMT 5.08/06/180 1.5SN BK TU | F.68 |
| 1843790000 1843800000 | BLL 5.08/06/90FI 3.2SN OR BX BLL 5.08/07/90FI 3.2SN OR BX | K.119 K.119 | 1849740000 | B2L/S2L 3.50 K0 BK BX B2L/S2L 3.50 K0 BK BX | I.18 M.10 | 1863680000 1863690000 | SC-SMT 3.81/03/90LF 3.2SN BK SC-SMT 3.81/04/90LF 3.2SN BK | | 1870260000 1870270000 | LSF-SMT 5.08/07/180 1.5SN BK TU LSF-SMT 5.08/08/180 1.5SN BK TU | F.68 |
| 1843810000 | BLL 5.08/08/90FI 3.2SN OR BX | K.119 | 1043740000 | BZL/3ZL 3.5U KU BK BK | IVI. TU | 1863700000 | | | 1870280000 | LSF-SMT 7.50/02/180 1.5SN BK TU | F.74 |
| 1843820000 | BLL 5.08/09/90FI 3.2SN OR BX | K.119 K.119 | 1850 | 000000 | | 1863710000 | SC-SMT 3.81/06/90LF 3.2SN BK | | 1870290000 | LSF-SMT 7.50/03/180 1.5SN BK TU | F.74 F.74 |
| 1843830000 1843840000 | | K.119 K.119 | 1850880000 | SU 10.16HP/02/180SF 3.5AG BK BX | 0.215 | 1863740000 1863760000 | SC-SMT 3.81/07/90LF 3.2SN BK SC-SMT 3.81/08/90LF 3.2SN BK | | 1870300000 1870310000 | LSF-SMT 7.50/04/180 1.5SN BK TU LSF-SMT 7.50/05/180 1.5SN BK TU | F.74 |
| 1843850000 | BLL 5.08/12/90FI 3.2SN OR BX | K.119 | 1850890000 | SU 10.16HP/03/180SF 3.5AG BK BX | 0.215 | 1863770000 | SC-SMT 3.81/09/90LF 3.2SN BK | | 1870320000 | LSF-SMT 7.50/06/180 1.5SN BK TU | F.74 |
| 1843990000 1844000000 | | K.105 K.105 | 1850900000 1850910000 | SU 10.16HP/04/180SF 3.5AG BK BX SU 10.16HP/05/180SF 3.5AG BK BX | 0.215 | 1863790000 1863810000 | SC-SMT 3.81/10/90LF 3.2SN BK SC-SMT 3.81/11/90LF 3.2SN BK | | 1870330000 1870340000 | LSF-SMT 7.50/07/180 1.5SN BK TU LSF-SMT 7.50/08/180 1.5SN BK TU | F.74 F.74 |
| 1844010000 | BLT 5.08HC/04/180F SN OR BX | K.105 | 1850920000 | SU 10.16HP/06/180SF 3.5AG BK BX | 0.215 | 1863820000 | SC-SMT 3.81/12/90LF 3.2SN BK | BX J.9 | 1870500000 | LSF-SMT 3.50/02/90 1.5SN BK TU | F.46 |
| 1844020000 1844030000 | | K.105 K.105 | 1850930000 1850940000 | SU 10.16HP/07/180SF 3.5AG BK BX SU 10.16HP/08/180SF 3.5AG BK BX | 0.215 | 1864050000 1864060000 | | | 1870530000 1870550000 | LSF-SMT 3.50/03/90 1.5SN BK TU LSF-SMT 3.50/04/90 1.5SN BK TU | F.46 F.46 |
| 1844040000 | BLT 5.08HC/07/180F SN OR BX | K.105 | 1850950000 | SU 10.16HP/09/180SF 3.5AG BK BX | 0.215 | 1864220000 | SC-SMT 3.81/02/180LF 1.5SN BH | RL J.11 | 1870580000 | LSF-SMT 3.50/05/90 1.5SN BK TU | F.46 |
| 1844050000 1844060000 | | K.105 K.105 | 1851040000 1851050000 | SU 10.16HP/02/90SF 3.5AG BK BX SU 10.16HP/03/90SF 3.5AG BK BX | 0.211 | 1864230000 1864240000 | | | 1870590000 1870640000 | LSF-SMT 3.50/06/90 1.5SN BK TU LSF-SMT 3.50/02/180 1.5SN BK TU | F.46 F.50 |
| 1844070000 | | K.105 | 1851060000 | SU 10.16HP/04/90SF 3.5AG BK BX | 0.211 | 1864250000 | SC-SMT 3.81/05/180LF 1.5SN BK | | 1870650000 | LSF-SMT 3.50/03/180 1.5SN BK TU | F.50 |
| 1844080000 | BLT 5.08HC/11/180F SN OR BX BLT 5.08HC/12/180F SN OR BX | K.105 K.105 | 1851070000 1851080000 | SU 10.16HP/05/90SF 3.5AG BK BX SU 10.16HP/06/90SF 3.5AG BK BX | 0.211 | 1864260000 1864270000 | SC-SMT 3.81/06/180LF 1.5SN BN SC-SMT 3.81/07/180LF 1.5SN BK | | 1870660000 1870670000 | LSF-SMT 3.50/04/180 1.5SN BK TU LSF-SMT 3.50/05/180 1.5SN BK TU | F.50 F.50 |
| 1845040000 | | F.18 | 1851090000 | SU 10.16HP/07/90SF 3.5AG BK BX | 0.211 | 1864280000 | SC-SMT 3.81/08/180LF 1.5SN BM | | 1870680000 | LSF-SMT 3.50/06/180 1.5SN BK TU | F.50 |
| | LM 3.50/06/90 3.2SN OR BX | F.18 | 1851100000 1851110000 | SU 10.16HP/08/90SF 3.5AG BK BX | 0.211 | 1864290000 | | | 1870690000 | LSF-SMT 3.50/07/180 1.5SN BK TU LSF-SMT 3.50/08/180 1.5SN BK TU | F.50 |
| | LM 3.50/07/90 3.2SN OR BX LM 3.50/08/90 3.2SN OR BX | F.18 F.18 | | SU 10.16HP/09/90SF 3.5AG BK BX SU 10.16HP/02/270SF 3.5AG BK BX | 0.211 | 1864300000 1864310000 | | | | LSF-SMT 3.50/09/180 1.5SN BK TU | F.50 F.50 |
| | LM 3.50/09/90 3.2SN OR BX | F.18 | | SU 10.16HP/03/270SF 3.5AG BK BX | 0.217 | | SC-SMT 3.81/07/180G 1.5SN BK | | | LSF-SMT 3.50/10/180 1.5SN BK TU | F.50 |
| 1845100000 | LM 3.50/10/90 3.2SN OR BX LM 3.50/11/90 3.2SN OR BX | F.18 F.18 | 1851150000 | SU 10.16HP/04/270SF 3.5AG BK BX SU 10.16HP/05/270SF 3.5AG BK BX | 0.217 | 1864330000 1864340000 | | | 1870740000 | LSF-SMT 3.50/11/180 1.5SN BK TU LSF-SMT 3.50/12/180 1.5SN BK TU | F.50 F.50 |
| 1845110000 | LM 3.50/12/90 3.2SN OR BX | F.18 | 1851160000 | SU 10.16HP/06/270SF 3.5AG BK BX | 0.217 | 1864350000 | | | 1871020000 | LSF-SMT 3.50/07/90 1.5SN BK TU | F.46 |
| | LM 3.50/04/135 3.2SN OR BX LM 3.50/05/135 3.2SN OR BX | F.19 F.19 | 1851170000 1851180000 | SU 10.16HP/07/270SF 3.5AG BK BX SU 10.16HP/08/270SF 3.5AG BK BX | 0.217 | 1866770000 1869260000 | SLD 3.50V/10/90G 3.2SN OR BX LSF-SMT 7.62/02/90 1.5SN BK T | U F.76 | 1871030000 1871040000 | LSF-SMT 3.50/08/90 1.5SN BK TU LSF-SMT 3.50/09/90 1.5SN BK TU | F.46 F.46 |
| 1845240000 | | F.19 | 1851190000 | SU 10.16HP/09/270SF 3.5AG BK BX | 0.217 | 1869270000 | LSF-SMT 7.62/03/90 1.5SN BK T | U F.76 | 1871050000 | LSF-SMT 3.50/10/90 1.5SN BK TU | F.46 |
| 1845250000 1845260000 | LM 3.50/07/135 3.2SN OR BX LM 3.50/08/135 3.2SN OR BX | F.19 F.19 | | VDS180 SV7.62 VDS180 SV7.62 | 0.152 0.154 | 1869280000 1869290000 | LSF-SMT 7.62/04/90 1.5SN BK T LSF-SMT 7.62/05/90 1.5SN BK T | | 1871060000 1871070000 | LSF-SMT 3.50/11/90 1.5SN BK TU LSF-SMT 3.50/12/90 1.5SN BK TU | F.46 F.46 |
| 1845270000 | LM 3.50/09/135 3.2SN OR BX | F.19 | 1853940000 | VDS180 SV7.62 | 0.198 | 1869300000 | LSF-SMT 7.62/06/90 1.5SN BK T | J F.76 | 1871690000 | BL-I/O 3.50/10F SN LTGY BX | 1.54 |
| | LM 3.50/10/135 3.2SN OR BX LM 3.50/11/135 3.2SN OR BX | F.19 F.19 | | VDS180 SV7.62 VDS180 SV7.62 | 0.214 R.4 | 1869310000 1869320000 | | | 1874280000 1874290000 | LSF-SMT 3.50/04/180 1.5SN BK RL LSF-SMT 7.62/06/90 3.5SN BK RL | F.51 F.77 |
| 1845300000 | LM 3.50/12/135 3.2SN OR BX | F.19 | | DEK 5/8 MC NE WS | 0.12 | 1869360000 | LSF-SMT 3.81/02/90 1.5SN BK T | U F.52 | 1874300000 | LSF-SMT 3.50/03/180 1.5SN BK RL | F.51 |
| 1845310000 1845320000 | | F.24 F.24 | | DEK 5/8 MC NE WS DEK 5/8 MC NE WS | Q.14 Q.16 | 1869370000 1869380000 | LSF-SMT 3.81/03/90 1.5SN BK T LSF-SMT 3.81/04/90 1.5SN BK T | | 1874310000 1874320000 | LSF-SMT 3.50/05/180 1.5SN BK RL LSF-SMT 3.50/06/180 1.5SN BK RL | F.51 F.51 |
| 1845330000 | LM 5.00/07/90 3.5SN OR BX | F.24 | | DEK 5/8 MC NE WS | 0.18 | 1869390000 | | | 1874330000 | LSF-SMT 7.62/06/90 1.5SN BK RL | F.77 |
| 1845340000 1845350000 | LM 5.00/08/90 3.5SN OR BX LM 5.00/09/90 3.5SN OR BX | F.24 F.24 | | DEK 5/8 MC NE WS DEK 5/8 MC NE WS | 0.20 | 1869400000 1869410000 | LSF-SMT 3.81/06/90 1.5SN BK T LSF-SMT 3.81/07/90 1.5SN BK T | | 1874340000 1874350000 | | F.51 F.51 |
| 1845360000 | | F.24 | | DEK 5/8 MC NE WS | 0.24 | 1869420000 | | | 1874360000 | LSF-SMT 7.62/06/180 3.5SN BK RL | F.81 |
| 1845370000 1845380000 | LM 5.00/11/90 3.5SN OR BX LM 5.00/12/90 3.5SN OR BX | F.24 F.24 | 1857440000 | ESG 9/11 K MC NE WS | C.16 | 1869430000 1869440000 | | | 1874370000 1874380000 | LSF-SMT 3.50/09/180 1.5SN BK RL LSF-SMT 3.50/10/180 1.5SN BK RL | F.51 |
| 1845390000 | | F.24 | 1260 | 000000 | | 1869450000 | | | 1874390000 | LSF-SMT 7.62/06/180 1.55N BK RL | F.81 |
| | LM 5.00/05/135 3.5SN OR BX | F.25 | | | W 00 | 1869460000 | | | | LSF-SMT 3.50/11/180 1.5SN BK RL | F.51 |
| 1845410000 1845420000 | | F.25 F.25 | | SLDV-THR 5.00/08/180G 3.2SN BK BX SLDV-THR 5.00/16/180G 3.2SN BK BX | K.30 K.30 | 1869600000 1869610000 | LSF-SMT 5.00/02/90 1.5SN BK T LSF-SMT 5.00/03/90 1.5SN BK T | | 1874410000 1874420000 | LSF-SMT 7.62/05/90 3.5SN BK RL LSF-SMT 3.50/12/180 1.5SN BK RL | F.77 F.51 |
| | LM 5.00/08/135 3.5SN OR BX | F.25 | | SLDV-THR 5.00/20/180G 3.2SN BK BX | K.30 | 1869620000 | LSF-SMT 5.00/04/90 1.5SN BK T | U F.58 | 1874430000 | LSF-SMT 7.62/05/90 1.5SN BK RL | F.77 |
| 1845440000 1845450000 | LM 5.00/09/135 3.5SN OR BX LM 5.00/10/135 3.5SN OR BX | F.25 F.25 | | SC-SMT 3.81/02/90G 3.2SN BK BX SC-SMT 3.81/03/90G 3.2SN BK BX | J.8 J.8 | 1869630000 1869640000 | LSF-SMT 5.00/05/90 1.5SN BK T LSF-SMT 5.00/06/90 1.5SN BK T | | 1874450000 1874460000 | LSF-SMT 7.62/05/180 1.5SN BK RL LSF-SMT 7.62/05/180 3.5SN BK RL | F.81 F.81 |
| 1845460000 | LM 5.00/11/135 3.5SN OR BX | F.25 | 1862490000 | SC-SMT 3.81/04/90G 3.2SN BK BX | J.8 | 1869650000 | LSF-SMT 5.00/07/90 1.5SN BK T | J F.58 | 1874470000 | LSF-SMT 7.62/04/90 3.5SN BK RL | F.77 |
| 1845470000 1846050000 | | F.25 K.92 | 1862500000 1862510000 | SC-SMT 3.81/05/90G 3.2SN BK BX SC-SMT 3.81/06/90G 3.2SN BK BX | J.8 J.8 | 1869660000 1869670000 | LSF-SMT 5.00/08/90 1.5SN BK T LSF-SMT 5.08/02/90 1.5SN BK T | | 1874480000 1874490000 | LSF-SMT 7.62/04/90 1.5SN BK RL LSF-SMT 3.50/02/180 1.5SN BK RL | F.77 F.51 |
| 1846060000 | SLS 5.08/06/180TB RF15 SN OR BX | K.92 | 1862520000 | SC-SMT 3.81/07/90G 3.2SN BK BX | J.8 | 1869680000 | LSF-SMT 5.08/03/90 1.5SN BK T | U F.64 | 1874500000 | LSF-SMT 7.62/04/180 3.5SN BK RL | F.81 |
| 1846070000 1846080000 | | K.92 K.92 | | SC-SMT 3.81/08/90G 3.2SN BK BX SC-SMT 3.81/09/90G 3.2SN BK BX | J.8 J.8 | 1869690000 1869700000 | LSF-SMT 5.08/04/90 1.5SN BK T LSF-SMT 5.08/05/90 1.5SN BK T | | 1874510000 1874520000 | LSF-SMT 3.50/02/180 3.5SN BK RL LSF-SMT 3.50/03/180 3.5SN BK RL | F.51 F.51 |
| 1846090000 | | K.92 K.92 | | SC-SMT 3.81/10/90G 3.2SN BK BX | J.8 J.8 | 1869710000 | | | 1874520000 | | F.81 |
| 1846130000 | SLS 5.08/04/180TB KF SN OR BX | K.93 K.93 | | SC-SMT 3.81/11/90G 3.2SN BK BX | J.8 | 1869720000 | | | 1874540000 1874550000 | | F.51 F.77 |
| 1846140000 1846150000 | | K.93 | 1862720000 1862730000 | SC-SMT 3.81/02/90LF 1.5SN BK RL SC-SMT 3.81/12/90G 3.2SN BK BX | J.9 J.8 | 1869730000 1869740000 | | | 1874550000 | LSF-SMT 7.62/03/90 3.5SN BK RL LSF-SMT 3.50/05/180 3.5SN BK RL | F.77 F.51 |
| 1846160000 | SLS 5.08/10/180TB KF SN OR BX | K.93 | | SC-SMT 3.81/03/90LF 1.5SN BK RL | J.9 | 1869750000 | LSF-SMT 7.50/03/90 1.5SN BK T | | 1874570000 | LSF-SMT 7.62/03/90 1.5SN BK RL | F.77 |
| | | | | | | | | | | | |

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| 1874590000 | LSF-SMT 3.50/06 | /180 3.5SN BK RL | F.51 | 1875990000 | LSF-SMT 3.81/09/90 3.5SN BK RL | F.53 | 1877650000 | SL-SMT 5.08HC/08/270GH 1.5SN BK RL | K.63 | 1885120000 | LSF-SMT 5.08/12/135 3.5SN BK TU | F.66 |
| | LSF-SMT 3.50/07 | | F.51 | 1876000000 | LSF-SMT 3.81/10/90 3.5SN BK RL | F.53 | 1877740000 | SL-SMT 5.08HC/02/270GL 1.5SN BK RL | K.63 | 1885180000 | LSF-SMT 3.50/02/135 1.5SN BK TU | F.48 |
| | LSF-SMT 3.50/08 LSF-SMT 3.50/09 | | F.51 F.51 | 1876010000 1876020000 | LSF-SMT 3.81/11/90 3.5SN BK RL LSF-SMT 5.00/02/180 1.5SN BK RL | F.53 F.63 | 1877750000 1877760000 | SL-SMT 5.08HC/03/270GL 1.5SN BK RL SL-SMT 5.08HC/04/270GL 1.5SN BK RL | K.63 | 1885190000 1885200000 | LSF-SMT 3.50/03/135 1.5SN BK TU LSF-SMT 3.50/04/135 1.5SN BK TU | |
| 1874630000 | LSF-SMT 7.62/03 | /180 3.5SN BK RL | F.81 | 1876030000 | LSF-SMT 5.00/03/180 1.5SN BK RL | F.63 | | SL-SMT 5.08HC/05/270GL 1.5SN BK RL | K.63 | 1885210000 | LSF-SMT 3.50/05/135 1.5SN BK TU | F.48 |
| | LSF-SMT 3.50/10 LSF-SMT 7.62/03 | | F.51 F.81 | 1876050000 1876060000 | LSF-SMT 5.00/04/180 1.5SN BK RL LSF-SMT 5.00/05/180 1.5SN BK RL | F.63 | 1877780000 1877790000 | SL-SMT 5.08HC/06/270GL 1.5SN BK RL SL-SMT 5.08HC/07/270GL 1.5SN BK RL | K.63 | 1885220000 1885230000 | | F.48 F.48 |
| 1874660000 | LSF-SMT 3.50/11 | /180 3.5SN BK RL | F.51 | 1876070000 | LSF-SMT 5.00/06/180 1.5SN BK RL | F.63 | 1877800000 | SL-SMT 5.08HC/08/270GL 1.5SN BK RL | K.63 | 1885240000 | LSF-SMT 3.50/08/135 1.5SN BK TU | F.48 |
| | LSF-SMT 7.62/02 LSF-SMT 3.50/12 | | F.77 F.51 | 1876080000 1876090000 | LSF-SMT 5.00/07/180 1.5SN BK RL LSF-SMT 5.00/08/180 1.5SN BK RL | F.63 | 1878520000 | LSF-SMT 5.08/04/90 1.5SN BK RL | F.65 | 1885250000 1885260000 | LSF-SMT 3.50/09/135 1.5SN BK TU LSF-SMT 3.50/10/135 1.5SN BK TU | F.48 F.48 |
| | LSF-SMT 3.50/02 | | F.47 | 1876100000 | LSF-SMT 5.08/07/180 1.5SN BK RL | F.69 | 1220 | 000000 | | 1885270000 | LSF-SMT 3.50/11/135 1.5SN BK TU | F.48 |
| | LSF-SMT 7.62/02 LSF-SMT 3.50/03 | | F.77 F.47 | 1876110000 1876120000 | LSF-SMT 5.00/02/180 3.5SN BK RL LSF-SMT 5.08/06/90 3.5SN BK RL | F.63 F.65 | | SLDV-THR 5.00/20/180F 3.2SN BK BX | K.31 | 1885280000 1885410000 | LSF-SMT 3.50/12/135 1.5SN BK TU LSF-SMT 3.81/02/135 1.5SN BK TU | F.48 F.54 |
| | LSF-SMT 3.50/04 | | F.47 | 1876130000 | LSF-SMT 5.00/03/180 3.5SN BK RL | F.63 | | SLDV-THR 5.00/24/180F 3.2SN BK BX | K.31 | 1885420000 | LSF-SMT 3.81/03/135 1.55N BK TU | F.54 |
| | LSF-SMT 3.50/05 | | F.47 | 1876140000 | LSF-SMT 5.00/04/180 3.5SN BK RL | F.63 | 1882690000 | SLDV-THR 5.00/04/180G 3.2SN BK BX | K.30 | 1885430000 | | F.54 |
| 1874750000 1874810000 | LSF-SMT 7.62/02 LSF-SMT 3.50/06 | | F.81 F.47 | 1876150000 1876160000 | LSF-SMT 5.08/06/90 1.5SN BK RL LSF-SMT 5.00/05/180 3.5SN BK RL | F.65 F.63 | 1882700000 1882710000 | SLDV-THR 5.00/06/180G 3.2SN BK BX SLDV-THR 5.00/10/180G 3.2SN BK BX | K.30 K.30 | 1885440000 1885450000 | | F.54 F.54 |
| | LSF-SMT 3.50/07 | | F.47 | 1876170000 | LSF-SMT 5.08/06/180 3.5SN BK RL | F.69 | | SLDV-THR 5.00/12/180G 3.2SN BK BX | K.30 | 1885460000 | | F.54 |
| | LSF-SMT 7.62/02 LSF-SMT 7.50/06 | | F.81 F.71 | 1876180000 1876190000 | LSF-SMT 5.08/06/180 1.5SN BK RL LSF-SMT 5.08/05/90 3.5SN BK RL | F.69 F.65 | | SLDV-THR 5.00/14/180G 3.2SN BK BX SLDV-THR 5.00/18/180G 3.2SN BK BX | K.30 | 1885470000 1885480000 | | F.54 F.54 |
| | LSF-SMT 3.50/08 | | F.47 | 1876200000 | LSF-SMT 5.00/06/180 3.5SN BK RL | F.63 | 1882750000 | SLDV-THR 5.00/22/180G 3.2SN BK BX | K.30 | 1885490000 | | F.54 |
| 1874900000 1874910000 | LSF-SMT 3.50/09 LSF-SMT 7.50/06 | | F.47 F.71 | 1876210000 1876220000 | LSF-SMT 5.08/05/90 1.5SN BK RL LSF-SMT 5.00/07/180 3.5SN BK RL | F.65 F.63 | 1882760000 1882930000 | SLDV-THR 5.00/24/180G 3.2SN BK BX SLDV-THR 5.00/04/180F 3.2SN BK BX | K.30 K.31 | 1885510000 1885520000 | LSF-SMT 3.81/11/135 1.5SN BK TU LSF-SMT 3.81/12/135 1.5SN BK TU | F.54 F.54 |
| | LSF-SMT 7.50/06 | | F.75 | | LSF-SMT 5.00/08/180 3.5SN BK RL | F.63 | | SLDV-THR 5.00/06/180F 3.2SN BK BX | K.31 | 1885650000 | | |
| | LSF-SMT 3.50/10 LSF-SMT 3.50/11 | | F.47 F.47 | 1876240000 1876250000 | LSF-SMT 5.00/02/90 1.5SN BK RL LSF-SMT 5.08/05/180 3.5SN BK RL | F.59 F.69 | 1882950000 1882960000 | SLDV-THR 5.00/08/180F 3.2SN BK BX SLDV-THR 5.00/10/180F 3.2SN BK BX | K.31 | 1885660000 1885670000 | | F.48 F.48 |
| | LSF-SMT 7.50/06 | | F.75 | 1876260000 | LSF-SMT 5.00/03/90 1.5SN BK RL | F.59 | 1882970000 | SLDV-THR 5.00/10/180F 3.2SN BK BX | K.31 | 1885680000 | | |
| | LSF-SMT 7.50/05 | | F.71 | 1876270000 | LSF-SMT 5.00/04/90 1.5SN BK RL | F.59 | 1882980000 | SLDV-THR 5.00/14/180F 3.2SN BK BX | K.31 | 1885690000 | | |
| | LSF-SMT 3.50/12 LSF-SMT 7.50/05 | | F.47 F.71 | 1876280000 1876290000 | LSF-SMT 5.00/05/90 1.5SN BK RL LSF-SMT 5.08/05/180 1.5SN BK RL | F.59 F.69 | | SLDV-THR 5.00/16/180F 3.2SN BK BX SLDV-THR 5.00/18/180F 3.2SN BK BX | K.31 | 1885700000 1885710000 | LSF-SMT 3.50/07/135 3.5SN BK TU LSF-SMT 3.50/08/135 3.5SN BK TU | F.48 F.48 |
| | LSF-SMT 3.50/02 | | F.47 | 1876300000 | LSF-SMT 5.00/06/90 1.5SN BK RL | F.59 | 1883010000 | SLDV-THR 5.00/22/180F 3.2SN BK BX | K.31 | 1885720000 | LSF-SMT 3.50/09/135 3.5SN BK TU | F.48 |
| | LSF-SMT 7.50/05 LSF-SMT 7.50/05 | | F.75 F.75 | 1876310000 1876330000 | LSF-SMT 5.08/04/90 3.5SN BK RL LSF-SMT 5.00/07/90 1.5SN BK RL | F.65 F.59 | 1883100000 1883110000 | SLDV-THR 5.00/04/180FLF 3.2SN BK BX SLDV-THR 5.00/06/180FLF 3.2SN BK BX | K.31 | 1885730000 1885740000 | LSF-SMT 3.50/10/135 3.5SN BK TU LSF-SMT 3.50/11/135 3.5SN BK TU | F.48 F.48 |
| 1875020000 | LSF-SMT 7.50/04 | /90 3.5SN BK RL | F.71 | 1876350000 | LSF-SMT 5.00/08/90 1.5SN BK RL | F.59 | 1883120000 | SLDV-THR 5.00/08/180FLF 3.2SN BK BX | K.31 | 1885750000 | LSF-SMT 3.50/12/135 3.5SN BK TU | F.48 |
| | LSF-SMT 3.50/03 LSF-SMT 7.50/04 | | F.47 F.71 | 1876360000 1876410000 | LSF-SMT 5.08/04/180 3.5SN BK RL LSF-SMT 5.08/04/180 1.5SN BK RL | F.69 F.69 | 1883130000 1883140000 | SLDV-THR 5.00/10/180FLF 3.2SN BK BX SLDV-THR 5.00/12/180FLF 3.2SN BK BX | K.31 | 1885880000 1885890000 | | F.54 F.54 |
| | LSF-SMT 3.50/04 | | F.71 F.47 | 1876420000 | LSF-SMT 5.08/03/90 3.5SN BK RL | F.65 | 1883150000 | SLDV-THR 5.00/12/180FLF 3.25N BK BX | K.31 | 1885900000 | | F.54 |
| | LSF-SMT 7.50/04 | | F.75 | 1876430000 | LSF-SMT 5.00/02/90 3.5SN BK RL | F.59 | 1883160000 | SLDV-THR 5.00/16/180FLF 3.2SN BK BX | K.31 | 1885910000 | LSF-SMT 3.81/05/135 3.5SN BK TU | F.54 |
| 1875070000 1875080000 | LSF-SMT 3.50/05 LSF-SMT 3.50/06 | | F.47 F.47 | 1876440000 1876450000 | LSF-SMT 5.08/03/90 1.5SN BK RL LSF-SMT 5.08/03/180 3.5SN BK RL | F.65 F.69 | 1883170000 1883180000 | SLDV-THR 5.00/18/180FLF 3.2SN BK BX SLDV-THR 5.00/20/180FLF 3.2SN BK BX | K.31 | 1885920000 1885930000 | LSF-SMT 3.81/06/135 3.5SN BK TU LSF-SMT 3.81/07/135 3.5SN BK TU | F.54 F.54 |
| | LSF-SMT 7.50/04 | | F.75 | 1876460000 | LSF-SMT 5.08/03/180 1.5SN BK RL | F.69 | 1883190000 | SLDV-THR 5.00/22/180FLF 3.2SN BK BX | K.31 | 1885940000 | | F.54 |
| 1875100000 1875110000 | LSF-SMT 3.50/07 LSF-SMT 3.50/08 | | F.47 F.47 | 1876470000 1876480000 | LSF-SMT 5.08/02/90 3.5SN BK RL LSF-SMT 5.08/02/90 1.5SN BK RL | F.65 F.65 | | SLDV-THR 5.00/24/180FLF 3.2SN BK BX LSF-SMT 5.00/02/135 3.5SN BK TU | K.31 F.60 | 1885950000 1885960000 | | F.54 F.54 |
| 1875120000 | LSF-SMT 3.50/09 | /90 3.5SN BK RL | F.47 | 1876490000 | LSF-SMT 5.08/02/180 3.5SN BK RL | F.69 | 1884370000 | LSF-SMT 5.00/03/135 3.5SN BK TU | F.60 | 1885970000 | LSF-SMT 3.81/11/135 3.5SN BK TU | F.54 |
| 1875130000 1875140000 | LSF-SMT 3.50/10 LSF-SMT 3.50/11 | | F.47 F.47 | 1876500000 1876510000 | LSF-SMT 5.08/02/180 1.5SN BK RL LSF-SMT 5.00/03/90 3.5SN BK RL | F.69 F.59 | | LSF-SMT 5.00/04/135 3.5SN BK TU LSF-SMT 5.00/05/135 3.5SN BK TU | F.60 F.60 | 1885980000 1886110000 | LSF-SMT 3.81/12/135 3.5SN BK TU LSF-SMT 7.50/02/135 3.5SN BK TU | F.54 F.72 |
| 1875160000 | LSF-SMT 3.50/12 | | F.47 | 1876520000 | LSF-SMT 5.00/08/90 3.5SN BK RL | F.59 | | LSF-SMT 5.00/06/135 3.5SN BK TU | F.60 | 1886120000 | LSF-SMT 7.50/03/135 3.5SN BK TU | F.72 |
| | LSF-SMT 3.81/02 LSF-SMT 3.81/03 | | F.53 F.53 | 1876530000 1876540000 | LSF-SMT 5.00/04/90 3.5SN BK RL LSF-SMT 5.00/07/90 3.5SN BK RL | F.59 F.59 | | LSF-SMT 5.00/07/135 3.5SN BK TU LSF-SMT 5.00/08/135 3.5SN BK TU | F.60 F.60 | 1886130000 1886140000 | LSF-SMT 7.50/04/135 3.5SN BK TU LSF-SMT 7.50/05/135 3.5SN BK TU | |
| | LSF-SMT 3.81/03 | | F.53 | 1876550000 | LSF-SMT 5.00/05/90 3.55N BK RL | F.59 | | LSF-SMT 5.00/09/135 3.5SN BK TU | F.60 | 1886150000 | LSF-SMT 7.50/05/135 3.55N BK TU | F.72 F.72 |
| | LSF-SMT 3.81/05 | | F.53 | 1876560000 | LSF-SMT 5.00/06/90 3.5SN BK RL | F.59 | | LSF-SMT 5.00/10/135 3.5SN BK TU | F.60 | 1886160000 | LSF-SMT 7.50/07/135 3.5SN BK TU | F.72 |
| 1875260000 1875270000 | LSF-SMT 3.81/06 LSF-SMT 3.81/07 | | F.53 F.53 | 1876850000 1876860000 | SL-SMT 5.08HC/02/270FL 3.2SN BK I SL-SMT 5.08HC/03/270FL 3.2SN BK I | | | LSF-SMT 5.00/11/135 3.5SN BK TU LSF-SMT 5.00/12/135 3.5SN BK TU | F.60 F.60 | 1886170000 1886180000 | LSF-SMT 7.50/08/135 3.5SN BK TU LSF-SMT 7.62/02/135 3.5SN BK TU | F.72 F.78 |
| 1875280000 | LSF-SMT 3.81/08 | /90 1.5SN BK RL | F.53 | 1876870000 | SL-SMT 5.08HC/04/270FL 3.2SN BK I | 3X K.64 | 1884530000 | LSF-SMT 5.00/02/135 1.5SN BK TU | F.60 | 1886190000 | LSF-SMT 7.62/03/135 3.5SN BK TU | F.78 |
| | LSF-SMT 3.81/09 LSF-SMT 3.81/10 | | F.53 F.53 | 1876880000 1876890000 | SL-SMT 5.08HC/05/270FL 3.2SN BK E SL-SMT 5.08HC/06/270FL 3.2SN BK E | | | LSF-SMT 5.00/03/135 1.5SN BK TU LSF-SMT 5.00/04/135 1.5SN BK TU | F.60 F.60 | 1886200000 1886210000 | LSF-SMT 7.62/04/135 3.5SN BK TU LSF-SMT 7.62/05/135 3.5SN BK TU | F.78 F.78 |
| 1875310000 | LSF-SMT 3.81/11, | | F.53 | 1876900000 | SL-SMT 5.08HC/07/270FL 3.2SN BK E | | | LSF-SMT 5.00/05/135 1.5SN BK TU | F.60 | 1886220000 | LSF-SMT 7.62/06/135 3.5SN BK TU | |
| | LSF-SMT 3.81/02 LSF-SMT 3.81/03 | | F.57 F.57 | 1876910000 1876920000 | SL-SMT 5.08HC/08/270FL 3.2SN BK E SL-SMT 5.08HC/02/270FH 1.5SN BK | | | LSF-SMT 5.00/06/135 1.5SN BK TU LSF-SMT 5.00/07/135 1.5SN BK TU | F.60 F.60 | 1886230000 | LSF-SMT 7.62/07/135 3.5SN BK TU LSF-SMT 7.62/08/135 3.5SN BK TU | F.78 |
| | LSF-SMT 3.81/04 | | F.57 | | SL-SMT 5.08HC/03/270FH 1.5SN BK | | | LSF-SMT 5.00/08/135 1.5SN BK TU | F.60 | 1887110000 | LSF-SMT 7.62/02/135 1.5SN BK RL | F.79 |
| | LSF-SMT 3.81/05 | | F.57 | | SL-SMT 5.08HC/04/270FH 1.5SN BK | | | LSF-SMT 5.00/09/135 1.5SN BK TU LSF-SMT 5.00/10/135 1.5SN BK TU | F.60 F.60 | 1887120000 1887130000 | LSF-SMT 7.62/03/135 1.5SN BK RL | F.79 F.79 |
| | LSF-SMT 3.81/06 LSF-SMT 3.81/07 | | F.57 F.57 | | SL-SMT 5.08HC/05/270FH 1.5SN BK SL-SMT 5.08HC/06/270FH 1.5SN BK | | | LSF-SMT 5.00/11/135 1.5SN BK TU | F.60 | 1887140000 | | F.79 |
| | LSF-SMT 3.81/08 | | F.57 | | SL-SMT 5.08HC/07/270FH 1.5SN BK I | | | LSF-SMT 5.00/12/135 1.5SN BK TU | F.60 | | LSF-SMT 7.62/06/135 1.5SN BK RL | F.79 |
| | LSF-SMT 3.81/09 LSF-SMT 3.81/10 | | F.57 F.57 | | SL-SMT 5.08HC/08/270FH 1.5SN BK I SL-SMT 5.08HC/02/270FL 1.5SN BK I | | | LSF-SMT 5.08/02/135 1.5SN BK TU LSF-SMT 5.08/03/135 1.5SN BK TU | F.66 | 1887160000 1887170000 | | F.79 F.79 |
| | LSF-SMT 3.81/11, | | F.57 | | SL-SMT 5.08HC/03/270FL 1.5SN BK F | | | LSF-SMT 5.08/04/135 1.5SN BK TU | F.66 | | LSF-SMT 7.62/04/135 3.5SN BK RL | F.79 |
| | LSF-SMT 7.50/03 LSF-SMT 7.50/03 | | F.71 F.71 | | SL-SMT 5.08HC/04/270FL 1.5SN BK F SL-SMT 5.08HC/05/270FL 1.5SN BK F | | | LSF-SMT 5.08/05/135 1.5SN BK TU LSF-SMT 5.08/06/135 1.5SN BK TU | F.66 | 1887190000 1887200000 | | F.79 F.79 |
| | LSF-SMT 7.50/03 | | F.75 | 1877090000 | SL-SMT 5.08HC/06/270FL 1.5SN BK F | RL K.65 | 1884780000 | LSF-SMT 5.08/07/135 1.5SN BK TU | F.66 | 1887340000 | LSF-SMT 3.50/02/135 3.5SN BK RL | F.49 |
| | LSF-SMT 7.50/03 LSF-SMT 7.50/02 | | F.75 F.71 | 1877110000 1877120000 | SL-SMT 5.08HC/07/270FL 1.5SN BK F SL-SMT 5.08HC/08/270FL 1.5SN BK F | | | LSF-SMT 5.08/08/135 1.5SN BK TU LSF-SMT 5.08/09/135 1.5SN BK TU | F.66 | | LSF-SMT 3.50/03/135 3.5SN BK RL LSF-SMT 3.50/04/135 3.5SN BK RL | F.49 F.49 |
| | LSF-SMT 7.50/02 | | F.71 | | SL-SMT 5.08HC/02/270FH 3.2SN BK | | 1884810000 | LSF-SMT 5.08/10/135 1.5SN BK TU | F.66 | | LSF-SMT 3.50/05/135 3.5SN BK RL | F.49 |
| | LSF-SMT 7.50/02 LSF-SMT 7.50/02 | | F.75 F.75 | | SL-SMT 5.08HC/03/270FH 3.2SN BK SL-SMT 5.08HC/04/270FH 3.2SN BK | | | LSF-SMT 5.08/11/135 1.5SN BK TU LSF-SMT 5.08/12/135 1.5SN BK TU | F.66 | 1887470000 1887480000 | | F.49 F.49 |
| | LSF-SMT 5.08/08 | | F.65 | | SL-SMT 5.08HC/02/270GH 3.2SN BK | | | LSF-SMT 7.50/02/135 1.5SN BK TU | F.72 | | LSF-SMT 3.50/08/135 3.5SN BK RL | F.49 |
| | LSF-SMT 5.08/08 | | F.65 F.57 | | SL-SMT 5.08HC/03/270GH 3.2SN BK SL-SMT 5.08HC/04/270GH 3.2SN BK | | | LSF-SMT 7.50/03/135 1.5SN BK TU | F.72 | | LSF-SMT 3.50/09/135 3.5SN BK RL LSF-SMT 3.50/10/135 3.5SN BK RL | F.49 |
| | LSF-SMT 3.81/02 LSF-SMT 3.81/03 | | F.57 | | SL-SMT 5.08HC/05/270GH 3.2SN BK | | | LSF-SMT 7.50/04/135 1.5SN BK TU LSF-SMT 7.50/05/135 1.5SN BK TU | F.72 F.72 | 1887510000 1887520000 | LSF-SMT 3.50/10/135 3.55N BK RL | F.49 F.49 |
| | LSF-SMT 5.08/08 | | F.69 | 1877410000 | SL-SMT 5.08HC/06/270GH 3.2SN BK | | | LSF-SMT 7.50/06/135 1.5SN BK TU | F.72 | | LSF-SMT 3.50/12/135 3.5SN BK RL | F.49 |
| | LSF-SMT 3.81/04 LSF-SMT 5.08/08 | | F.57 F.69 | | SL-SMT 5.08HC/07/270GH 3.2SN BK SL-SMT 5.08HC/05/270FH 3.2SN BK | | | LSF-SMT 7.50/07/135 1.5SN BK TU LSF-SMT 7.50/08/135 1.5SN BK TU | F.72 F.72 | | LSF-SMT 3.50/02/135 1.5SN BK RL LSF-SMT 3.50/03/135 1.5SN BK RL | F.49 F.49 |
| 1875650000 | LSF-SMT 3.81/05 | /180 3.5SN BK RL | F.57 | 1877450000 | SL-SMT 5.08HC/08/270GH 3.2SN BK | BX K.63 | 1884950000 | LSF-SMT 7.62/02/135 1.5SN BK TU | F.78 | 1887580000 | LSF-SMT 3.50/04/135 1.5SN BK RL | F.49 |
| | LSF-SMT 3.81/06 LSF-SMT 3.81/07 | | F.57 F.57 | | SL-SMT 5.08HC/06/270FH 3.2SN BK SL-SMT 5.08HC/02/270GL 3.2SN BK | | | LSF-SMT 7.62/03/135 1.5SN BK TU LSF-SMT 7.62/04/135 1.5SN BK TU | F.78 F.78 | | LSF-SMT 3.50/05/135 1.5SN BK RL LSF-SMT 3.50/06/135 1.5SN BK RL | F.49 F.49 |
| 1875690000 | LSF-SMT 5.08/07 | /90 3.5SN BK RL | F.65 | 1877480000 | SL-SMT 5.08HC/07/270FH 3.2SN BK | BX K.65 | 1884980000 | LSF-SMT 7.62/05/135 1.5SN BK TU | F.78 | 1887650000 | LSF-SMT 3.50/07/135 1.5SN BK RL | F.49 |
| | LSF-SMT 3.81/08 LSF-SMT 5.08/07 | | F.57 F.65 | | SL-SMT 5.08HC/03/270GL 3.2SN BK SL-SMT 5.08HC/08/270FH 3.2SN BK | | | LSF-SMT 7.62/06/135 1.5SN BK TU LSF-SMT 7.62/07/135 1.5SN BK TU | F.78 F.78 | | LSF-SMT 3.50/08/135 1.5SN BK RL LSF-SMT 3.50/09/135 1.5SN BK RL | F.49 F.49 |
| | LSF-SMT 3.81/09 | | F.57 | | SL-SMT 5.08HC/04/270GL 3.2SN BK | | | LSF-SMT 7.62/08/135 1.5SN BK TU | F.78 | | LSF-SMT 3.50/10/135 1.55N BK RL | F.49 F.49 |
| 1875750000 | LSF-SMT 5.08/07 | /180 3.5SN BK RL | F.69 | 1877520000 | SL-SMT 5.08HC/05/270GL 3.2SN BK | BX K.62 | 1885020000 | LSF-SMT 5.08/02/135 3.5SN BK TU | F.66 | 1887690000 | LSF-SMT 3.50/11/135 1.5SN BK RL | F.49 |
| | LSF-SMT 3.81/10 LSF-SMT 3.81/11, | | F.57 F.57 | | SL-SMT 5.08HC/06/270GL 3.2SN BK SL-SMT 5.08HC/07/270GL 3.2SN BK B | | | LSF-SMT 5.08/03/135 3.5SN BK TU LSF-SMT 5.08/04/135 3.5SN BK TU | F.66 F.66 | | LSF-SMT 3.50/12/135 1.5SN BK RL LSF-SMT 3.81/02/135 3.5SN BK RL | F.49 F.55 |
| 1875920000 | LSF-SMT 3.81/02 | /90 3.5SN BK RL | F.53 | 1877550000 | SL-SMT 5.08HC/08/270GL 3.2SN BK | BX K.62 | 1885050000 | LSF-SMT 5.08/05/135 3.5SN BK TU | F.66 | 1888330000 | LSF-SMT 3.81/03/135 3.5SN BK RL | F.55 |
| | LSF-SMT 3.81/03 LSF-SMT 3.81/04 | | F.53 F.53 | | SL-SMT 5.08HC/02/270GH 1.5SN BK SL-SMT 5.08HC/03/270GH 1.5SN BK | | | LSF-SMT 5.08/06/135 3.5SN BK TU LSF-SMT 5.08/07/135 3.5SN BK TU | F.66 | 1888340000 1888380000 | LSF-SMT 3.81/04/135 3.5SN BK RL LSF-SMT 3.81/05/135 3.5SN BK RL | F.55 F.55 |
| 1875950000 | LSF-SMT 3.81/05 | /90 3.5SN BK RL | F.53 | 1877610000 | SL-SMT 5.08HC/04/270GH 1.5SN BK | RL K.63 | 1885080000 | LSF-SMT 5.08/08/135 3.5SN BK TU | F.66 | 1888390000 | LSF-SMT 3.81/06/135 3.5SN BK RL | F.55 |
| | LSF-SMT 3.81/06 LSF-SMT 3.81/07 | | F.53 F.53 | | SL-SMT 5.08HC/05/270GH 1.5SN BK SL-SMT 5.08HC/06/270GH 1.5SN BK | | | LSF-SMT 5.08/09/135 3.5SN BK TU LSF-SMT 5.08/10/135 3.5SN BK TU | F.66 | 1888400000 1888410000 | LSF-SMT 3.81/07/135 3.5SN BK RL LSF-SMT 3.81/08/135 3.5SN BK RL | F.55 F.55 |
| | LSF-SMT 3.81/08 | | F.53 | | SL-SMT 5.08HC/07/270GH 1.5SN BK | | | LSF-SMT 5.08/11/135 3.5SN BK TU | F.66 | | LSF-SMT 3.81/09/135 3.5SN BK RL | F.55 |
| | | | | | | | | | | | | |

2977770000 **Weidmüller № X.33**



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|--------------------------|----------------------------------------------------------------------------|----------------|--------------------------|--------------------------------------------------------------------|----------------|--------------------------|----------------------------------------------------------------------|----------------|--------------------------|----------------------------------------------------------------------|----------------|
| 1888430000 | LSF-SMT 3.81/10/135 3.5SN BK RL | F.55 | | PS 3.50/09/90 3.5SN OR BX | F.42 | 1928740000 | BVL 7.62HP/03/180FI 3.5SN BK BX | 0.199 | 1930470000 | | 0.149 |
| 1888440000 1888450000 | LSF-SMT 3.81/11/135 3.5SN BK RL LSF-SMT 3.81/02/135 1.5SN BK RL | F.55 F.55 | 1912400000 1912410000 | PS 3.50/10/90 3.5SN OR BX PS 3.50/11/90 3.5SN OR BX | F.42 F.42 | 1928750000 1928760000 | BVL 7.62HP/04/180FI 3.5SN BK BX BVL 7.62HP/05/180FI 3.5SN BK BX | 0.199 | 1930480000 1930490000 | SV 7.62HP/12/90F 3.5SN BK BX SV 7.62HP/02/90SF 3.5SN BK BX | 0.149 |
| 1888460000 | LSF-SMT 3.81/03/135 1.5SN BK RL | F.55 | 1912420000 | PS 3.50/12/90 3.5SN OR BX | F.42 | 1928770000 | BVL 7.62HP/06/180FI 3.5SN BK BX | 0.199 | 1930500000 | SV 7.62HP/03/90SF 3.5SN BK BX | 0.149 |
| 1888470000 1888480000 | LSF-SMT 3.81/04/135 1.5SN BK RL LSF-SMT 3.81/05/135 1.5SN BK RL | F.55 F.55 | 1912520000 1912530000 | LS 5.08/02/90 3.5SN OR BX LS 5.08/03/90 3.5SN OR BX | F.22 F.22 | 1928780000 1928840000 | BVL 7.62HP/07/180FI 3.5SN BK BX BVL 7.62HP/02/180SFI 3.5SN BK BX | 0.199 | 1930510000 1930520000 | SV 7.62HP/04/90SF 3.5SN BK BX SV 7.62HP/05/90SF 3.5SN BK BX | 0.149 |
| 1888490000 | LSF-SMT 3.81/06/135 1.5SN BK RL | F.55 | 1912540000 | LS 5.08/04/90 3.5SN OR BX | F.22 | 1928850000 | BVL 7.62HP/03/180SFI 3.5SN BK BX | 0.199 | 1930530000 | SV 7.62HP/06/90SF 3.5SN BK BX | 0.149 |
| 1888500000 1888510000 | LSF-SMT 3.81/07/135 1.5SN BK RL LSF-SMT 3.81/08/135 1.5SN BK RL | F.55 F.55 | 1912560000 1912570000 | LS 5.08/05/90 3.5SN OR BX LS 5.08/06/90 3.5SN OR BX | F.22 F.22 | 1928860000 1928870000 | BVL 7.62HP/04/180SFI 3.5SN BK BX BVL 7.62HP/05/180SFI 3.5SN BK BX | 0.199 | 1930540000 1930550000 | SV 7.62HP/07/90SF 3.5SN BK BX SV 7.62HP/08/90SF 3.5SN BK BX | 0.149 |
| 1888520000 | LSF-SMT 3.81/09/135 1.5SN BK RL | F.55 | | LS 5.08/07/90 3.5SN OR BX | F.22 | 1928900000 | BVL 7.62HP/06/180SFI 3.5SN BK BX | 0.199 | 1930560000 | | 0.149 |
| 1888530000 1888540000 | LSF-SMT 3.81/10/135 1.5SN BK RL LSF-SMT 3.81/11/135 1.5SN BK RL | F.55 F.55 | 1912890000 1912900000 | LS 5.08/08/90 3.5SN OR BX LS 5.08/09/90 3.5SN OR BX | F.22 F.22 | 1928910000 1929300000 | BVL 7.62HP/07/180SFI 3.5SN BK BX BVL 7.62HP/02/270 3.5SN BK BX | 0.199 | 1930570000 1930580000 | SV 7.62HP/10/90SF 3.5SN BK BX SV 7.62HP/11/90SF 3.5SN BK BX | 0.149 |
| 1888570000 | LSF-SMT 5.00/02/135 1.5SN BK RL | F.61 | 1912910000 | LS 5.08/10/90 3.5SN OR BX | F.22 | 1929310000 | BVL 7.62HP/03/270 3.5SN BK BX | 0.200 | 1930590000 | | 0.149 |
| 1888580000 | LSF-SMT 5.00/03/135 1.5SN BK RL LSF-SMT 5.00/04/135 1.5SN BK RL | F.61 F.61 | 1912930000 | LS 5.08/11/90 3.5SN OR BX LS 5.08/12/90 3.5SN OR BX | F.22 F.22 | 1929320000 | BVL 7.62HP/04/270 3.5SN BK BX BVL 7.62HP/05/270 3.5SN BK BX | 0.200 | 1930600000 1930610000 | SV 7.62HP/02/180G 3.5SN BK BX | 0.152 |
| 1888590000 1888600000 | LSF-SMT 5.00/05/135 1.5SN BK RL | F.61 | | LMZF 5/2/135 3.50R | F.22 F.98 | 1929330000 1929340000 | BVL 7.62HP/06/270 3.55N BK BX | 0.200 | 1930620000 | SV 7.62HP/03/180G 3.5SN BK BX SV 7.62HP/04/180G 3.5SN BK BX | 0.152 0.152 |
| 1888610000 | LSF-SMT 5.00/06/135 1.5SN BK RL | F.61 | | LMZF 5/3/135 3.50R | F.98 | 1929350000 | BVL 7.62HP/07/270 3.5SN BK BX | 0.200 | 1930630000 | SV 7.62HP/05/180G 3.5SN BK BX | 0.152 |
| 1888620000 1888630000 | LSF-SMT 5.00/07/135 1.5SN BK RL LSF-SMT 5.00/08/135 1.5SN BK RL | F.61 F.61 | 1913960000 1914000000 | LMZF 5/4/135 3.50R LMZF 5/5/135 3.50R | F.98 F.98 | 1929410000 1929420000 | BVL 7.62HP/02/270FI 3.5SN BK BX BVL 7.62HP/03/270FI 3.5SN BK BX | 0.201 | 1930640000 1930650000 | SV 7.62HP/06/180G 3.5SN BK BX SV 7.62HP/07/180G 3.5SN BK BX | 0.152 0.152 |
| 1888640000 | LSF-SMT 5.00/02/135 3.5SN BK RL | F.61 | 1914020000 | LMZF 5/6/135 3.50R | F.98 | 1929430000 | BVL 7.62HP/04/270FI 3.5SN BK BX | 0.201 | 1930660000 | SV 7.62HP/08/180G 3.5SN BK BX | 0.152 |
| 1888650000 1888660000 | LSF-SMT 5.00/03/135 3.5SN BK RL LSF-SMT 5.00/04/135 3.5SN BK RL | F.61 F.61 | | LMZF 5/7/135 3.50R LMZF 5/8/135 3.50R | F.98 F.98 | 1929440000 1929450000 | BVL 7.62HP/05/270FI 3.5SN BK BX BVL 7.62HP/06/270FI 3.5SN BK BX | 0.201 | 1930670000 1930680000 | SV 7.62HP/09/180G 3.5SN BK BX SV 7.62HP/10/180G 3.5SN BK BX | 0.152 0.152 |
| 1888670000 | LSF-SMT 5.00/05/135 3.5SN BK RL | F.61 | | LMZF 5/9/135 3.50R | F.98 | 1929460000 | BVL 7.62HP/07/270FI 3.5SN BK BX | 0.201 | 1930690000 | SV 7.62HP/11/180G 3.5SN BK BX | 0.152 |
| 1888680000 1888690000 | LSF-SMT 5.00/06/135 3.5SN BK RL LSF-SMT 5.00/07/135 3.5SN BK RL | F.61 | 1914070000 1914080000 | LMZF 5/10/135 3.50R LMZF 5/11/135 3.50R | F.98 F.98 | 1929520000 | BVL 7.62HP/02/270SFI 3.5SN BK BX BVL 7.62HP/03/270SFI 3.5SN BK BX | 0.201 | 1930700000 1930710000 | SV 7.62HP/12/180G 3.5SN BK BX SV 7.62HP/02/180F 3.5SN BK BX | 0.152 0.153 |
| 1888700000 | LSF-SMT 5.00/08/135 3.5SN BK RL | F.61 | | LMZF 5/12/135 3.50R | F.98 | 1929540000 | BVL 7.62HP/04/270SFI 3.5SN BK BX | 0.201 | 1930720000 | | 0.153 |
| 1888710000 | LSF-SMT 5.08/02/135 1.5SN BK RL | F.67 | | LMZFL 5/2/135 3.50R | F.99 | 1929550000 | BVL 7.62HP/05/270SFI 3.5SN BK BX | 0.201 | 1930730000 | SV 7.62HP/04/180F 3.5SN BK BX | 0.153 |
| 1888720000 1888730000 | LSF-SMT 5.08/03/135 1.5SN BK RL LSF-SMT 5.08/04/135 1.5SN BK RL | F.67 F.67 | | LMZFL 5/3/135 3.50R LMZFL 5/4/135 3.50R | F.99 F.99 | 1929560000 1929570000 | BVL 7.62HP/06/270SFI 3.5SN BK BX BVL 7.62HP/07/270SFI 3.5SN BK BX | 0.201 | 1930740000 1930750000 | SV 7.62HP/05/180F 3.5SN BK BX SV 7.62HP/06/180F 3.5SN BK BX | 0.153 |
| 1888740000 | LSF-SMT 5.08/05/135 1.5SN BK RL | F.67 | 1914600000 | LMZFL 5/5/135 3.50R | F.99 | 1929740000 | BVZ 7.62HP/02/180SFC SN BK BX | 0.179 | 1930760000 | SV 7.62HP/07/180F 3.5SN BK BX | 0.153 |
| 1888750000 1888760000 | LSF-SMT 5.08/06/135 1.5SN BK RL LSF-SMT 5.08/07/135 1.5SN BK RL | F.67 F.67 | | LMZFL 5/6/135 3.50R LMZFL 5/7/135 3.50R | F.99 F.99 | 1929750000 1929760000 | BVZ 7.62HP/03/180SFC SN BK BX BVZ 7.62HP/04/180SFC SN BK BX | 0.179 | 1930770000 1930780000 | SV 7.62HP/08/180F 3.5SN BK BX SV 7.62HP/09/180F 3.5SN BK BX | 0.153 0.153 |
| 1888770000 | LSF-SMT 5.08/08/135 1.5SN BK RL | F.67 | 1914790000 | LMZFL 5/8/135 3.50R | F.99 | 1929770000 | BVZ 7.62HP/05/180SFC SN BK BX | 0.179 | 1930790000 | SV 7.62HP/10/180F 3.5SN BK BX | 0.153 |
| 1888780000 1888790000 | LSF-SMT 5.08/02/135 3.5SN BK RL LSF-SMT 5.08/03/135 3.5SN BK RL | F.67 F.67 | 1914830000 1914860000 | LMZFL 5/9/135 3.50R LMZFL 5/10/135 3.50R | F.99 F.99 | 1929780000 | BVZ 7.62HP/06/180SFC SN BK BX BVZ 7.62HP/07/180SFC SN BK BX | 0.179 | 1930800000 1930810000 | SV 7.62HP/11/180F 3.5SN BK BX SV 7.62HP/12/180F 3.5SN BK BX | 0.153 0.153 |
| 1888810000 | LSF-SMT 5.08/04/135 3.5SN BK RL | F.67 | | LMZFL 5/11/135 3.50R | F.99 | 1929850000 | BVZ 7.62HP/03/180RSH150 SN BK BX | 0.170 | 1930820000 | SV 7.62HP/02/180SF 3.5SN BK BX | 0.153 |
| 1888830000 1888840000 | LSF-SMT 5.08/05/135 3.5SN BK RL LSF-SMT 5.08/06/135 3.5SN BK RL | F.67 F.67 | 1915030000 | LMZFL 5/12/135 3.50R | F.99 | 1929860000 1929870000 | BVZ 7.62HP/04/180RSH150SN BK BX BVZ 7.62HP/05/180RSH150 SN BK BX | 0.180 | 1930830000 1930840000 | | 0.153 0.153 |
| 1888870000 | LSF-SMT 5.08/07/135 3.5SN BK RL | F.67 | 1020 | 000000 | | 1929880000 | BVZ 7.62HP/06/180RSH150 SN BK BX | 0.180 | 1930840000 | | 0.153 |
| 1888880000 | LSF-SMT 5.08/08/135 3.5SN BK RL | F.67 | | | N.10 | 1929890000 | BVZ 7.62HP/03/180SH150C SN BK BX | 0.182 | 1930860000 | | 0.153 |
| 1888890000 1888910000 | LSF-SMT 7.50/02/135 1.5SN BK RL LSF-SMT 7.50/03/135 1.5SN BK RL | F.73 F.73 | | LU 10.16/03/90 4.5SN BK BX LX 15.00/08/90 4.5SN BK BX | N.18 N.22 | 1929900000 1929910000 | BVZ 7.62HP/04/180SH150C SN BK BX BVZ 7.62HP/05/180SH150C SN BK BX | 0.182 0.182 | 1930870000 1930880000 | SV 7.62HP/07/180SF 3.5SN BK BX SV 7.62HP/08/180SF 3.5SN BK BX | 0.153 |
| 1888930000 | LSF-SMT 7.50/04/135 1.5SN BK RL | F.73 | 1924540000 | BUZ 10.16HP/02/180 AG BK BX | 0.222 | 1929920000 | BVZ 7.62HP/06/180SH150C SN BK BX | 0.182 | 1930890000 | SV 7.62HP/09/180SF 3.5SN BK BX | 0.153 |
| 1888940000 1888950000 | LSF-SMT 7.50/05/135 1.5SN BK RL LSF-SMT 7.50/06/135 1.5SN BK RL | F.73 F.73 | 1924550000 1924560000 | BUZ 10.16HP/03/180 AG BK BX BUZ 10.16HP/04/180 AG BK BX | 0.222 | 1929930000 | BVZ 7.62HP/02/180 SN BK BX BVZ 7.62HP/03/180 SN BK BX | 0.178 | 1930900000 1930910000 | SV 7.62HP/10/180SF 3.5SN BK BX SV 7.62HP/11/180SF 3.5SN BK BX | 0.153 |
| 1888970000 | LSF-SMT 7.50/02/135 3.5SN BK RL | F.73 | 1924570000 | BUZ 10.16HP/05/180 AG BK BX | 0.222 | 1929950000 | BVZ 7.62HP/04/180 SN BK BX | 0.178 | 1930920000 | SV 7.62HP/12/180SF 3.5SN BK BX | 0.153 |
| 1888990000 1889000000 | LSF-SMT 7.50/03/135 3.5SN BK RL LSF-SMT 7.50/04/135 3.5SN BK RL | F.73 F.73 | 1924580000 1924590000 | BUZ 10.16HP/06/180 AG BK BX BUZ 10.16HP/07/180 AG BK BX | 0.222 | 1929960000 1929970000 | BVZ 7.62HP/05/180 SN BK BX BVZ 7.62HP/06/180 SN BK BX | 0.178 | 1931260000 1931270000 | SV 7.62HP/02/270G 3.5SN BK BX SV 7.62HP/03/270G 3.5SN BK BX | 0.156 0.156 |
| 1889020000 | LSF-SMT 7.50/05/135 3.5SN BK RL | F.73 | 1924600000 | BUZ 10.16HP/08/180 AG BK BX | 0.222 | 1929980000 | BVZ 7.62HP/07/180 SN BK BX | 0.178 | 1931280000 | SV 7.62HP/04/270G 3.5SN BK BX | 0.156 |
| 1889030000 | LSF-SMT 7.50/06/135 3.5SN BK RL | F.73 | 1924610000 1924620000 | BUZ 10.16HP/09/180 AG BK BX BUZ 10.16HP/02/180F AG BK BX | 0.222 0.223 | 1929990000 | BVZ 7.62HP/08/180 SN BK BX | 0.178 | 1931290000 1931300000 | SV 7.62HP/05/270G 3.5SN BK BX SV 7.62HP/06/270G 3.5SN BK BX | 0.156 0.156 |
| 1290 | 000000 | | 1924630000 | BUZ 10.16HP/03/180F AG BK BX | 0.223 | 1930 | 000000 | | 1931310000 | SV 7.62HP/07/270G 3.5SN BK BX | 0.156 |
| | BLT 5.08HC/02/180LR SN OR BX | W 105 | 1924640000 | BUZ 10.16HP/04/180F AG BK BX | 0.223 | | | 0.170 | 1931320000 | SV 7.62HP/08/270G 3.5SN BK BX | 0.156 |
| 1890220000 | BLT 5.08HC/02/180LR SN OR BX | K.105 K.105 | 1924650000 1924660000 | BUZ 10.16HP/05/180F AG BK BX BUZ 10.16HP/06/180F AG BK BX | 0.223 | 1930000000 1930020000 | BVZ 7.62HP/09/180 SN BK BX BVZ 7.62HP/10/180 SN BK BX | 0.178 | 1931330000 1931340000 | SV 7.62HP/09/270G 3.5SN BK BX SV 7.62HP/10/270G 3.5SN BK BX | 0.156 0.156 |
| 1890240000 | BLT 5.08HC/04/180LR SN OR BX | K.105 | 1924670000 | BUZ 10.16HP/07/180F AG BK BX | 0.223 | 1930030000 | BVZ 7.62HP/11/180 SN BK BX | 0.178 | 1931350000 | SV 7.62HP/11/270G 3.5SN BK BX | 0.156 |
| 1890250000 | BLT 5.08HC/05/180LR SN OR BX BLT 5.08HC/06/180LR SN OR BX | K.105 K.105 | 1924680000 | BUZ 10.16HP/08/180F AG BK BX BUZ 10.16HP/09/180F AG BK BX | 0.223 | 1930040000 1930050000 | BVZ 7.62HP/12/180 SN BK BX BVZ 7.62HP/02/180F SN BK BX | 0.178 | 1931360000 | SV 7.62HP/12/270G 3.5SN BK BX SV 7.62HP/02/270F 3.5SN BK BX | 0.156 |
| 1890270000 | BLT 5.08HC/07/180LR SN OR BX | K.105 | 1924700000 | BUZ 10.16HP/02/180SF AG BK BX | 0.223 | 1930060000 | BVZ 7.62HP/03/180F SN BK BX | 0.179 | 1931380000 | SV 7.62HP/03/270F 3.5SN BK BX | 0.157 |
| | BLT 5.08HC/08/180LR SN OR BX BLT 5.08HC/09/180LR SN OR BX | K.105 K.105 | | BUZ 10.16HP/03/180SF AG BK BX BUZ 10.16HP/04/180SF AG BK BX | 0.223 | 1930070000 1930080000 | BVZ 7.62HP/04/180F SN BK BX BVZ 7.62HP/05/180F SN BK BX | 0.179 | | SV 7.62HP/04/270F 3.5SN BK BX SV 7.62HP/05/270F 3.5SN BK BX | 0.157 |
| 1890300000 | BLT 5.08HC/10/180LR SN OR BX | K.105 | 1924740000 | BUZ 10.16HP/05/180SF AG BK BX | 0.223 | 1930090000 | BVZ 7.62HP/06/180F SN BK BX | 0.179 | 1931410000 | SV 7.62HP/06/270F 3.5SN BK BX | 0.157 |
| 1890310000 | BLT 5.08HC/11/180LR SN OR BX BLT 5.08HC/12/180LR SN OR BX | K.105 K.105 | | BUZ 10.16HP/06/180SF AG BK BX BUZ 10.16HP/07/180SF AG BK BX | 0.223 | 1930100000 1930110000 | BVZ 7.62HP/07/180F SN BK BX BVZ 7.62HP/08/180F SN BK BX | 0.179 | 1931420000 1931430000 | SV 7.62HP/07/270F 3.5SN BK BX SV 7.62HP/08/270F 3.5SN BK BX | 0.157 |
| 1890600000 | SLD 3.50V/06/90G 3.2SN OR BX | 1.44 | | BUZ 10.16HP/08/180SF AG BK BX | 0.223 | 1930120000 | BVZ 7.62HP/09/180F SN BK BX | 0.179 | 1931440000 | | 0.157 |
| 1890610000 1890620000 | SLD 3.50V/14/90G 3.2SN OR BX SLD 3.50V/18/90G 3.2SN OR BX | 1.44 | | BUZ 10.16HP/09/180SF AG BK BX MHS 6 | 0.223 S.44 | 1930130000 1930140000 | BVZ 7.62HP/10/180F SN BK BX BVZ 7.62HP/11/180F SN BK BX | 0.179 | 1931450000 1931460000 | | 0.157 |
| 1890790000 | SLD 3.50V/06/90F 3.2SN OR BX | 1.44 | | MHZ 6 | S.44 | 1930150000 | BVZ 7.62HP/12/180F SN BK BX | 0.179 | 1931470000 | SV 7.62HP/12/270F 3.5SN BK BX | 0.157 |
| 1890800000 | | 1.45 | | LL2N 9.52/04/90 5.0SN OR BX | F.39 | 1930160000 | BVZ 7.62HP/02/180SF SN BK BX | 0.179 | 1931480000 | | 0.157 |
| 1890810000 1890820000 | SLD 3.50V/14/90F 3.2SN OR BX SLD 3.50V/18/90F 3.2SN OR BX | 1.45 | | LL2N 9.52/08/90 5.0SN OR BX LL2N 9.52/12/90 5.0SN OR BX | F.39 F.39 | 1930170000 1930180000 | BVZ 7.62HP/03/180SF SN BK BX BVZ 7.62HP/04/180SF SN BK BX | 0.179 | 1931490000 1931500000 | SV 7.62HP/03/270SF 3.5SN BK BX SV 7.62HP/04/270SF 3.5SN BK BX | 0.157 0.157 |
| 1891060000 | SLD 3.50 V/06/180F 3.2 SN OR BX | 1.47 | 1926380000 | LL2N 9.52/16/90 5.0SN OR BX | F.39 | 1930190000 | BVZ 7.62HP/05/180SF SN BK BX | 0.179 | 1931510000 | SV 7.62HP/05/270SF 3.5SN BK BX | 0.157 |
| 1891070000 1891080000 | SLD 3.50 V/10/180F 3.2 SN OR BX SLD 3.50 V/14/180F 3.2 SN OR BX | 1.47 | | LL2N 9.52/20/90 5.0SN OR BX LL2N 9.52/24/90 5.0SN OR BX | F.39 F.39 | 1930200000 1930210000 | BVZ 7.62HP/06/180SF SN BK BX BVZ 7.62HP/07/180SF SN BK BX | 0.179 | 1931520000 1931530000 | SV 7.62HP/06/270SF 3.5SN BK BX SV 7.62HP/07/270SF 3.5SN BK BX | 0.157 0.157 |
| 1891090000 | SLD 3.50 V/18/180F 3.2 SN OR BX | 1.47 | 1928280000 | BVL 7.62HP/02/90 3.5SN BK BX | 0.196 | 1930220000 | BVZ 7.62HP/08/180SF SN BK BX | 0.179 | 1931540000 | SV 7.62HP/08/270SF 3.5SN BK BX | 0.157 |
| 1891100000 1891190000 | SLD 3.50 V/22/180F 3.2 SN OR BX SLD 3.50V/06/180G 3.2SN OR BX | 1.47 | | BVL 7.62HP/03/90 3.5SN BK BX BVL 7.62HP/04/90 3.5SN BK BX | 0.196 | 1930230000 1930240000 | BVZ 7.62HP/09/180SF SN BK BX BVZ 7.62HP/10/180SF SN BK BX | 0.179 | 1931550000 1931570000 | SV 7.62HP/09/270SF 3.5SN BK BX SV 7.62HP/10/270SF 3.5SN BK BX | 0.157 |
| 1891200000 | | 1.46 | | BVL 7.62HP/05/90 3.5SN BK BX | 0.196 | 1930250000 | BVZ 7.62HP/11/180SF SN BK BX | 0.179 | 1931580000 | SV 7.62HP/11/270SF 3.5SN BK BX | 0.157 |
| 4040 | 00000 | | | BVL 7.62HP/06/90 3.5SN BK BX | 0.196 | 1930260000 | BVZ 7.62HP/12/180SF SN BK BX | 0.179 | 1931590000 | SV 7.62HP/12/270SF 3.5SN BK BX | 0.157 |
| 1910 | 1000000 | | | BVL 7.62HP/07/90 3.5SN BK BX BVL 7.62HP/02/90FI 3.5SN BK BX | 0.196 0.197 | 1930270000 1930280000 | SV 7.62HP/02/90G 3.5SN BK BX SV 7.62HP/03/90G 3.5SN BK BX | 0.148 | 1933340000 1933350000 | | 0.181 |
| 1911290000 | SLDV-THR 5.00/04/180GLF 3.2SN BK BX | K.31 | | BVL 7.62HP/03/90FI 3.5SN BK BX | 0.197 | 1930290000 | SV 7.62HP/04/90G 3.5SN BK BX | 0.148 | 1933360000 | | 0.181 |
| 1911310000 1911320000 | SLDV-THR 5.00/06/180GLF 3.2SN BK BX SLDV-THR 5.00/08/180GLF 3.2SN BK BX | K.31 | | BVL 7.62HP/04/90FI 3.5SN BK BX BVL 7.62HP/05/90FI 3.5SN BK BX | 0.197 | 1930300000 1930310000 | SV 7.62HP/05/90G 3.5SN BK BX SV 7.62HP/06/90G 3.5SN BK BX | 0.148 | 1933370000 1933380000 | | 0.181 |
| 1911330000 | SLDV-THR 5.00/10/180GLF 3.2SN BK BX | K.31 | | BVL 7.62HP/06/90FI 3.5SN BK BX | 0.197 | 1930320000 | SV 7.62HP/07/90G 3.5SN BK BX | 0.148 | 1933390000 | | 0.183 |
| 1911340000 1911350000 | SLDV-THR 5.00/12/180GLF 3.2SN BK BX SLDV-THR 5.00/14/180GLF 3.2SN BK BX | K.31 | | BVL 7.62HP/07/90FI 3.5SN BK BX BVL 7.62HP/02/90SFI 3.5SN BK BX | 0.197 | 1930330000 1930340000 | SV 7.62HP/08/90G 3.5SN BK BX SV 7.62HP/09/90G 3.5SN BK BX | 0.148 | 1933400000 1933410000 | BVZ 7.62HP/05/180SH180C SN BK BX BVZ 7.62HP/06/180SH180C SN BK BX | 0.183 |
| 1911360000 | SLDV-THR 5.00/16/180GLF 3.2SN BK BX | K.31 | 1928510000 | BVL 7.62HP/03/90SFI 3.5SN BK BX | 0.197 | 1930350000 | SV 7.62HP/10/90G 3.5SN BK BX | 0.148 | 1933430000 | BVZ 7.62HP/03/180RSH210 SN BK BX | 0.181 |
| 1911370000 1911410000 | SLDV-THR 5.00/18/180GLF 3.2SN BK BX SLDV-THR 5.00/20/180GLF 3.2SN BK BX | K.31 K.31 | | BVL 7.62HP/04/90SFI 3.5SN BK BX BVL 7.62HP/05/90SFI 3.5SN BK BX | 0.197 0.197 | 1930360000 1930370000 | SV 7.62HP/11/90G 3.5SN BK BX SV 7.62HP/12/90G 3.5SN BK BX | 0.148 0.148 | 1933440000 1933450000 | | 0.181 0.181 |
| 1911470000 | SLDV-THR 5.00/22/180GLF 3.2SN BK BX | K.31 | | BVL 7.62HP/06/90SFI 3.5SN BK BX | 0.197 | 1930370000 | SV 7.62HP/02/90F 3.5SN BK BX | 0.148 | 1933450000 | | 0.181 |
| 1911500000 | SLDV-THR 5.00/24/180GLF 3.2SN BK BX | K.31 | | BVL 7.62HP/07/90SFI 3.5SN BK BX | 0.197 | 1930390000 | SV 7.62HP/03/90F 3.5SN BK BX | 0.149 | 1933470000 | | 0.183 |
| 1912320000 1912330000 | PS 3.50/02/90 3.5SN OR BX PS 3.50/03/90 3.5SN OR BX | F.42 F.42 | | BVL 7.62HP/02/180 3.5SN BK BX BVL 7.62HP/03/180 3.5SN BK BX | 0.198 | 1930400000 1930410000 | SV 7.62HP/04/90F 3.5SN BK BX SV 7.62HP/05/90F 3.5SN BK BX | 0.149 | 1933480000 1933490000 | BVZ 7.62HP/04/180SH210C SN BK BX BVZ 7.62HP/05/180SH210C SN BK BX | 0.183 |
| 1912340000 | PS 3.50/04/90 3.5SN OR BX | F.42 | 1928630000 | BVL 7.62HP/04/180 3.5SN BK BX | 0.198 | 1930420000 | SV 7.62HP/06/90F 3.5SN BK BX | 0.149 | 1933500000 | BVZ 7.62HP/06/180SH210C SN BK BX | 0.183 |
| 1912350000 1912360000 | PS 3.50/05/90 3.5SN OR BX PS 3.50/06/90 3.5SN OR BX | F.42 F.42 | | BVL 7.62HP/05/180 3.5SN BK BX BVL 7.62HP/06/180 3.5SN BK BX | 0.198 | 1930430000 1930440000 | SV 7.62HP/07/90F 3.5SN BK BX SV 7.62HP/08/90F 3.5SN BK BX | 0.149 | 1934050000 1934140000 | | Q.13 N.18 |
| 1912370000 | PS 3.50/07/90 3.5SN OR BX | F.42 | 1928670000 | BVL 7.62HP/07/180 3.5SN BK BX | 0.198 | 1930450000 | SV 7.62HP/09/90F 3.5SN BK BX | 0.149 | 1934250000 | LL 5.08/02/90 3.2SN OR BX | F.33 |
| 1912380000 | PS 3.50/08/90 3.5SN OR BX | F.42 | 1928730000 | BVL 7.62HP/02/180FI 3.5SN BK BX | 0.199 | 1930460000 | SV 7.62HP/10/90F 3.5SN BK BX | 0.149 | 1934260000 | LL 5.08/03/90 3.2SN OR BX | F.33 |
| | | | | | | | | | | | |



X.34 Weidmüller ₹ 2977770000

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| 1934270000 | | F.32 | 1939840000 | BCZ 3.81/04/90 SN OR BX | J.52 | 1942940000 | SC 3.81/12/180G 3.2SN OR BX | J.28 | 1947600000 | BLZ |
| 1934280000 | LL 5.00/03/90 3.2SN OR BX | F.32 | 1939860000 | BCZ 3.81/05/90 SN OR BX BCZ 3.81/06/90 SN OR BX | J.52 | 1943180000 | SC 3.81/02/180F 3.2SN OR BX | J.29 | 1947610000 | BLZ |
| 1934310000 1934340000 | LL2N 5.00/04/90 3.2SN OR BX LL3R 5.08/06/90 3.2SN OR BX | F.35 F.37 | 1939870000 | BCZ 3.81/06/90 SN OR BX | J.52 J.52 | 1943190000 1943200000 | SC 3.81/03/180F 3.2SN OR BX SC 3.81/04/180F 3.2SN OR BX | J.29 J.29 | 1947620000 1947630000 | BL2 |
| 1934360000 | LL3R 5.00/06/90 3.2SN OR BX | F.35 | 1939890000 | BCZ 3.81/08/90 SN OR BX | J.52 | 1943210000 | SC 3.81/05/180F 3.2SN OR BX | J.29 | 1948000000 | |
| 1936340000 1936430000 | SL-SMT 3.50/10/180LF 1.5SN BK RL DP VWGK 4 GY BX | 0.12 | 1939900000 1939910000 | BCZ 3.81/09/90 SN OR BX BCZ 3.81/10/90 SN OR BX | J.52 J.52 | 1943220000 1943230000 | SC 3.81/06/180F 3.2SN OR BX SC 3.81/07/180F 3.2SN OR BX | J.29 J.29 | 1948010000 1948020000 | BL2 |
| 1936450000 | DP WGK 4 GY BX | 0.12 | 1939920000 | BCZ 3.81/11/90 SN OR BX | J.52 | 1943240000 | SC 3.81/08/180F 3.2SN OR BX | J.29 | 1948030000 | |
| 1936480000 | VWGK 4 GN/YE BX | 0.13 | 1939930000 | BCZ 3.81/12/90 SN OR BX | J.52 | 1943250000 | SC 3.81/09/180F 3.2SN OR BX | J.29 | 1948040000 | |
| 1936490000 1936540000 | WGK 4 GY BX WGK 4 GN/YE BX | Q.13 Q.12 | 1939980000 | BCZ 3.81/02/90F SN OR BX BCZ 3.81/03/90F SN OR BX | J.53 J.53 | 1943260000 1943270000 | SC 3.81/10/180F 3.2SN OR BX SC 3.81/11/180F 3.2SN OR BX | J.29 J.29 | 1948050000 1948060000 | |
| 1936550000 | WGK 4 GY BX | 0.12 | 1000000000 | B02 0:01/00/001 014 011 BX | 0.00 | 1943280000 | SC 3.81/12/180F 3.2SN OR BX | J.29 | 1948070000 | BLZ |
| 1936560000 | WGK 4/Z GN/YE BX | 0.12 | 1940 | 000000 | | 1943580000 | BLZP 5.08HC/02/180 SN OR BX | K.96 | 1948080000 | |
| 1936570000 1936610000 | WGK 4/Z GY BX WGKV 4 GN/YE BX | 0.12 0.13 | | BCZ 3.81/04/90F SN OR BX | J.53 | 1943590000 | BLZP 5.08HC/03/180 SN OR BX BLZP 5.08HC/04/180 SN OR BX | K.96 K.96 | 1948100000 1948110000 | BL2 |
| 1936620000 | WGKV 4/Z GN/YE BX | 0.13 | 1940010000 | BCZ 3.81/05/90F SN OR BX | J.53 | 1943610000 | BLZP 5.08HC/05/180 SN OR BX | K.96 | 1948790000 | |
| 1936630000 1936700000 | WGKV 4/Z GY BX DP WGK 16 GY BX | 0.13 0.18 | 1940020000 | BCZ 3.81/06/90F SN OR BX BCZ 3.81/07/90F SN OR BX | J.53 J.53 | 1943620000 1943630000 | BLZP 5.08HC/06/180 SN OR BX BLZP 5.08HC/07/180 SN OR BX | K.96 K.96 | 1948800000 1948810000 | BL2 |
| 1936710000 | DP WGK 25 GY BX | 0.20 | 1940040000 | BCZ 3.81/08/90F SN OR BX | J.53 | 1943640000 | BLZP 5.08HC/08/180 SN OR BX | K.96 | 1948820000 | |
| 1937020000 | DP WGK 95 GY BX | 0.24 | 1940050000 | BCZ 3.81/09/90F SN OR BX | J.53 | 1943650000 | BLZP 5.08HC/09/180 SN OR BX | K.96 | 1948830000 | |
| 1937030000 1937120000 | DP WGK 50 WGK 95F VP GN/YE BX | 0.22 | 1940060000 1940070000 | BCZ 3.81/10/90F SN OR BX BCZ 3.81/11/90F SN OR BX | J.53 J.53 | 1943660000 1943670000 | BLZP 5.08HC/10/180 SN OR BX BLZP 5.08HC/11/180 SN OR BX | K.96 K.96 | 1948840000 1948850000 | |
| 1937130000 | WGK 95F VP GY BX | 0.25 | 1940080000 | BCZ 3.81/12/90F SN OR BX | J.53 | 1943680000 | BLZP 5.08HC/12/180 SN OR BX | K.96 | 1948860000 | |
| 1937140000 | WGK 95F VP/Z GY BX | 0.25 | 1940190000 | BCZ 3.81/02/270 SN OR BX | J.53 | 1944090000 | BLZP 5.08HC/02/180F SN OR BX | K.97 | 1948870000 | BLZ |
| 1937360000 1937370000 | WGK 95F VP/Z GN/YE BX WGK 95 GN/YE BX | 0.25 | 1940200000 1940210000 | BCZ 3.81/03/270 SN OR BX BCZ 3.81/04/270 SN OR BX | J.53 J.53 | 1944100000 1944110000 | BLZP 5.08HC/03/180F SN OR BX BLZP 5.08HC/04/180F SN OR BX | K.97 K.97 | 1948880000 1948890000 | |
| 1937380000 | WGK 95 GY BX | 0.24 | 1940220000 | BCZ 3.81/05/270 SN OR BX | J.53 | 1944120000 | BLZP 5.08HC/05/180F SN OR BX | K.97 | 1949800000 | BLZ |
| 1937390000 | WGK 95/Z GN/YE BX WGK 95/Z GY BX | 0.24 | 1940230000 1940240000 | BCZ 3.81/06/270 SN OR BX BCZ 3.81/07/270 SN OR BX | J.53 J.53 | 1944130000 1944140000 | BLZP 5.08HC/06/180F SN OR BX BLZP 5.08HC/07/180F SN OR BX | K.97 K.97 | 1949810000 1949820000 | |
| 1937550000 | BV/SV 7.62HP/02 ZE GR | 0.74 | 1940250000 | BCZ 3.81/08/270 SN OR BX | J.53 | 1944150000 | BLZP 5.08HC/08/180F SN OR BX | K.97 | 1949830000 | |
| 1937550000 | BV/SV 7.62HP/02 ZE GR | 0.178 | 1940260000 | BCZ 3.81/09/270 SN OR BX | J.53 | 1944160000 | BLZP 5.08HC/09/180F SN OR BX | K.97 | 1949840000 | BLZ |
| 1937550000 | BV/SV 7.62HP/02 ZE GR BV/SV 7.62HP/04 ZE GR | R.2 0.74 | 1940270000 | BCZ 3.81/10/270 SN OR BX BCZ 3.81/11/270 SN OR BX | J.53 J.53 | 1944170000 1944180000 | BLZP 5.08HC/10/180F SN OR BX BLZP 5.08HC/11/180F SN OR BX | K.97 K.97 | 1949850000 | |
| 1937560000 | BV/SV 7.62HP/04 ZE GR | 0.178 | 1940290000 | BCZ 3.81/12/270 SN OR BX | J.53 | 1944190000 | BLZP 5.08HC/12/180F SN OR BX | K.97 | 1949870000 | |
| 1937560000 | BV/SV 7.62HP/04 ZE GR | R.2 | 1940460000 | BCZ 3.81/02/270F SN OR BX | J.53 | 1944590000 | B2L 3.50/06/180QV3 SN BK BX | 1.18 | 1949880000 | |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.10 | 1940470000 1940480000 | BCZ 3.81/03/270F SN OR BX BCZ 3.81/04/270F SN OR BX | J.53 J.53 | 1944600000 1944610000 | B2L 3.50/08/180QV4 SN BK BX B2L 3.50/10/180QV5 SN BK BX | I.18 I.18 | 1949890000 1949900000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.14 | 1940490000 | BCZ 3.81/05/270F SN OR BX | J.53 | 1944620000 | B2L 3.50/12/180QV6 SN BK BX | I.18 | | |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.16 | 1940500000 | BCZ 3.81/06/270F SN OR BX BCZ 3.81/07/270F SN OR BX | J.53 J.53 | 1944630000 1944640000 | B2L 3.50/14/180QV7 SN BK BX B2L 3.50/16/180QV8 SN BK BX | I.18 I.18 | 1950 | 10 |
| 1937590000 | BV/SV 7.62HP KO | 0.18 | 1940520000 | BCZ 3.81/07/270F SN OR BX | J.53 | 1944650000 | B2L 3.50/18/180QV9 SN BK BX | I.18 | 1950310000 | BLZ |
| 1937590000 | BV/SV 7.62HP KO | 0.22 | 1940530000 | BCZ 3.81/09/270F SN OR BX | J.53 | 1944670000 | B2L 3.50/06/180FQV3 SN BK BX | I.19 | 1950320000 | |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.24 | 1940540000 1940550000 | BCZ 3.81/10/270F SN OR BX BCZ 3.81/11/270F SN OR BX | J.53 J.53 | 1944680000 1944690000 | B2L 3.50/08/180FQV4 SN BK BX B2L 3.50/10/180FQV5 SN BK BX | I.19 I.19 | 1950330000 1950340000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.28 | 1940560000 | BCZ 3.81/12/270F SN OR BX | J.53 | 1944700000 | B2L 3.50/12/180FQV6 SN BK BX | 1.19 | 1950350000 | BLZ |
| 1937590000 | BV/SV 7.62HP KO | 0.30 | 1940730000 | BCZ 3.81/02/180 SN OR BX | J.48 | 1944710000 | B2L 3.50/14/180FQV7 SN BK BX | 1.19 | 1950360000 | |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.32 | 1940740000 1940750000 | BCZ 3.81/03/180 SN OR BX BCZ 3.81/04/180 SN OR BX | J.48 J.48 | 1944720000 1944730000 | B2L 3.50/16/180FQV8 SN BK BX PRT B2L 3.50/18/180FQV9 SN BK BX | I.19 I.19 | 1950370000 1950380000 | BL2 |
| 1937590000 | BV/SV 7.62HP KO | 0.36 | 1940760000 | BCZ 3.81/05/180 SN OR BX | J.48 | 1944750000 | B2L 3.50/06/180LHQV3 SN BK BX | I.19 | 1950390000 | BLZ |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.38 | 1940770000 1940780000 | BCZ 3.81/06/180 SN OR BX BCZ 3.81/07/180 SN OR BX | J.48 J.48 | 1944760000 | B2L 3.50/08/180LHQV4 SN BK BX B2L 3.50/10/180LHQV5 SN BK BX | I.19 I.19 | 1950400000 1950410000 | BL2 |
| 1937590000 | BV/SV 7.62HP KO | 0.40 | 1940790000 | BCZ 3.81/08/180 SN OR BX | J.48 | 1944780000 | B2L 3.50/10/100EHQV3 SN BK BX | I.19 | 1952570000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.44 | 1940800000 | BCZ 3.81/09/180 SN OR BX | J.48 | 1944790000 | B2L 3.50/14/180LHQV7 SN BK BX | 1.19 | 1952580000 | |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.46 | 1940810000 1940820000 | BCZ 3.81/10/180 SN OR BX BCZ 3.81/11/180 SN OR BX | J.48 J.48 | 1944800000 | B2L 3.50/16/180LHQV8 SN BK BX B2L 3.50/18/180LHQV9 SN BK BX | I.19 I.19 | 1952590000 1952600000 | LM |
| 1937590000 | BV/SV 7.62HP KO | 0.52 | 1940830000 | BCZ 3.81/12/180 SN OR BX | J.48 | 1944830000 | BLZP 5.08HC/02/180LR SN OR BX | K.97 | 1952610000 | LM |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.68 | 1941010000 1941020000 | BCZ 3.81/02/180F SN OR BX BCZ 3.81/03/180F SN OR BX | J.49 J.49 | 1944840000 1944850000 | BLZP 5.08HC/03/180LR SN OR BX BLZP 5.08HC/04/180LR SN OR BX | K.97 K.97 | 1952620000 1952630000 | LM |
| 1937590000 | BV/SV 7.62HP KO | 0.70 | 1941030000 | BCZ 3.81/04/180F SN OR BX | J.49 | 1944860000 | BLZP 5.08HC/05/180LR SN OR BX | K.97 | 1952640000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.74 | 1941040000 | BCZ 3.81/05/180F SN OR BX | J.49 | 1944870000 | BLZP 5.08HC/06/180LR SN OR BX | K.97 | 1952650000 | LM |
| 1937590000 | BV/SV 7.62HP K0 BV/SV 7.62HP K0 | 0.114 | 1941050000 | BCZ 3.81/06/180F SN OR BX BCZ 3.81/07/180F SN OR BX | J.49 J.49 | | BLZP 5.08HC/07/180LR SN OR BX BLZP 5.08HC/08/180LR SN OR BX | K.97 K.97 | 1952660000 1952670000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.118 | 1941070000 | BCZ 3.81/08/180F SN OR BX | J.49 | 1944900000 | BLZP 5.08HC/09/180LR SN OR BX | K.97 | 1953010000 | LM |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.140 | 1941080000 1941090000 | BCZ 3.81/09/180F SN OR BX BCZ 3.81/10/180F SN OR BX | J.49 J.49 | | BLZP 5.08HC/10/180LR SN OR BX BLZP 5.08HC/11/180LR SN OR BX | K.97 K.97 | 1953020000 1953030000 | |
| 1937590000 | | 0.142 | 1941100000 | BCZ 3.81/11/180F SN OR BX | J.49 | | BLZP 5.08HC/12/180LR SN OR BX | K.97 | 1953040000 | |
| 1937590000 | | 0.146 | 1941110000 | BCZ 3.81/12/180F SN OR BX | J.49 | | BLZP 5.08HC/02/225B SN OR BX | K.103 | 1953050000 | |
| 1937590000 1937590000 | | 0.148 | 1942020000 1942040000 | SC 3.81/02/90G 3.2SN OR BX SC 3.81/03/90G 3.2SN OR BX | J.26 J.26 | 1945760000 1945770000 | BLZP 5.08HC/03/225B SN OR BX BLZP 5.08HC/04/225B SN OR BX | K.103 K.103 | 1953060000 1953070000 | |
| 1937590000 | | 0.152 | 1942070000 | SC 3.81/04/90G 3.2SN OR BX | J.26 | | BLZP 5.08HC/05/225B SN OR BX | K.103 | 1953080000 | |
| 1937590000 1937590000 | BV/SV 7.62HP K0 BV/SV 7.62HP K0 | 0.154 0.156 | 1942090000 1942100000 | SC 3.81/05/90G 3.2SN OR BX SC 3.81/06/90G 3.2SN OR BX | J.26 J.26 | 1945790000 1945800000 | BLZP 5.08HC/06/225B SN OR BX BLZP 5.08HC/07/225B SN OR BX | K.103 K.103 | 1953090000 1953100000 | |
| 1937590000 | | 0.158 | 1942120000 | SC 3.81/07/90G 3.2SN OR BX | J.26 | 1945810000 | BLZP 5.08HC/08/225B SN OR BX | K.103 | 1953110000 | |
| 1937590000 | | 0.160 | 1942130000 | SC 3.81/08/90G 3.2SN OR BX | J.26 | 1945820000 | BLZP 5.08HC/09/225B SN OR BX | K.103 | 1953470000 | |
| 1937590000 1937590000 | | 0.162 | 1942140000 1942150000 | SC 3.81/09/90G 3.2SN OR BX SC 3.81/10/90G 3.2SN OR BX | J.26 J.26 | | BLZP 5.08HC/10/225B SN OR BX BLZP 5.08HC/11/225B SN OR BX | K.103 K.103 | 1953480000 1953490000 | |
| 1937590000 | | 0.166 | 1942160000 | SC 3.81/11/90G 3.2SN OR BX | J.26 | 1945850000 | | K.103 | 1953500000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.168 | 1942170000 | SC 3.81/12/90G 3.2SN OR BX | J.26 | 1946250000 | BLZP 5.08HC/02/225 SN OR BX | K.102 | 1953510000 | |
| 1937590000 1937590000 | | 0.170 | 1942450000 1942460000 | SC 3.81/02/90F 3.2SN OR BX SC 3.81/03/90F 3.2SN OR BX | J.27 J.27 | 1946270000 | BLZP 5.08HC/03/225 SN OR BX BLZP 5.08HC/04/225 SN OR BX | K.102 K.102 | 1953520000 1953530000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.174 | 1942470000 | SC 3.81/04/90F 3.2SN OR BX | J.27 | | BLZP 5.08HC/05/225 SN OR BX | K.102 | 1953540000 | LM |
| 1937590000 1937590000 | | 0.176 0.178 | 1942480000 1942490000 | SC 3.81/05/90F 3.2SN OR BX SC 3.81/06/90F 3.2SN OR BX | J.27 J.27 | | BLZP 5.08HC/06/225 SN OR BX BLZP 5.08HC/07/225 SN OR BX | K.102 K.102 | 1953550000 1953560000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.178 | 1942500000 | SC 3.81/07/90F 3.2SN OR BX | J.27 | 1946310000 | BLZP 5.08HC/08/225 SN OR BX | K.102 | 1953570000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.182 | 1942510000 | SC 3.81/08/90F 3.2SN OR BX | J.27 | 1946320000 | BLZP 5.08HC/09/225 SN OR BX | K.102 | 1953930000 | LM |
| 1937590000 1937590000 | BV/SV 7.62HP K0 BV/SV 7.62HP K0 | 0.184 | 1942520000 1942530000 | SC 3.81/09/90F 3.2SN OR BX SC 3.81/10/90F 3.2SN OR BX | J.27 J.27 | 1946330000 1946340000 | BLZP 5.08HC/10/225 SN OR BX BLZP 5.08HC/11/225 SN OR BX | K.102 K.102 | 1953940000 1953950000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.188 | 1942540000 | SC 3.81/11/90F 3.2SN OR BX | J.27 | 1946350000 | BLZP 5.08HC/12/225 SN OR BX | K.102 | 1953960000 | LM |
| 1937590000 | | 0.190 | 1942550000 | | J.27 | 1947480000 | SUZ 10.16HP/02/180G AG BK BX | 0.220 | 1953970000 | |
| 1937590000 1937590000 | BV/SV 7.62HP K0 BV/SV 7.62HP K0 | 0.192 0.194 | 1942840000 1942850000 | SC 3.81/02/180G 3.2SN OR BX SC 3.81/03/180G 3.2SN OR BX | J.28 J.28 | 1947490000 1947500000 | SUZ 10.16HP/03/180G AG BK BX SUZ 10.16HP/04/180G AG BK BX | 0.220 | 1953980000 1953990000 | |
| 1937590000 | BV/SV 7.62HP KO | 0.196 | 1942860000 | SC 3.81/04/180G 3.2SN OR BX | J.28 | 1947510000 | SUZ 10.16HP/05/180G AG BK BX | 0.220 | 1954000000 | LM |
| 1937590000 1937590000 | BV/SV 7.62HP KO BV/SV 7.62HP KO | 0.198 | 1942870000 1942880000 | SC 3.81/05/180G 3.2SN OR BX SC 3.81/06/180G 3.2SN OR BX | J.28 J.28 | 1947530000 | BLZP 5.08HC/02/270LR SN OR BX BLZP 5.08HC/03/270LR SN OR BX | K.101 K.101 | 1954010000 1954020000 | |
| 1937590000 | BV/SV 7.62HP KO | R.4 | 1942890000 | | J.28 | 1947550000 | BLZP 5.08HC/04/270LR SN OR BX | K.101 | 1954030000 | |
| 1938010000 | BL-I/O 3.50/10F NPN LED SN BK BX | 1.58 | 1942900000 | SC 3.81/08/180G 3.2SN OR BX | J.28 | 1947560000 | BLZP 5.08HC/05/270LR SN OR BX | K.101 | 1954390000 | |
| 1938020000 1939820000 | BL-I/O 3.50/30F NPN LED SN BK BX BCZ 3.81/02/90 SN OR BX | J.52 | 1942910000 1942920000 | SC 3.81/09/180G 3.2SN OR BX SC 3.81/10/180G 3.2SN OR BX | J.28 J.28 | 1947570000 1947580000 | BLZP 5.08HC/06/270LR SN OR BX BLZP 5.08HC/07/270LR SN OR BX | K.101 K.101 | 1954400000 1954410000 | |
| | BCZ 3.81/03/90 SN OR BX | J.52 | | SC 3.81/11/180G 3.2SN OR BX | J.28 | | BLZP 5.08HC/08/270LR SN OR BX | K.101 | 1954420000 | |
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| 1947600000 | BLZP 5.08HC/09/270LR SN OR BX | K.101 |
| 1947610000 | BLZP 5.08HC/10/270LR SN OR BX | K.101 |
| 1947620000 | BLZP 5.08HC/11/270LR SN OR BX | K.101 |
| 1947630000 | BLZP 5.08HC/12/270LR SN OR BX | K.101 |
| 1948000000 | BLZP 5.08HC/02/90 SN OR BX | K.98 |
| 1948010000 | BLZP 5.08HC/03/90 SN OR BX | K.98 |
| 1948020000 | BLZP 5.08HC/04/90 SN OR BX | K.98 |
| 1948030000 | BLZP 5.08HC/05/90 SN OR BX | K.98 |
| 1948040000 | BLZP 5.08HC/06/90 SN OR BX | K.98 |
| 1948050000 | BLZP 5.08HC/07/90 SN OR BX | K.98 |
| 1948060000 | BLZP 5.08HC/08/90 SN OR BX | K.98 |
| 1948070000 | BLZP 5.08HC/09/90 SN OR BX | K.98 |
| 1948080000 | BLZP 5.08HC/10/90 SN OR BX | K.98 |
| 1948100000 | BLZP 5.08HC/11/90 SN OR BX | K.98 |
| 1948110000 | BLZP 5.08HC/12/90 SN OR BX | K.98 |
| 1948790000 | BLZP 5.08HC/02/270 SN OR BX | K.100 |
| 1948800000 | BLZP 5.08HC/03/270 SN OR BX | K.100 |
| 1948810000 | BLZP 5.08HC/04/270 SN OR BX | K.100 |
| 1948820000 | BLZP 5.08HC/05/270 SN OR BX | K.100 |
| 1948830000 | BLZP 5.08HC/06/270 SN OR BX | K.100 |
| 1948840000 | BLZP 5.08HC/07/270 SN OR BX | K.100 |
| 1948850000 | BLZP 5.08HC/08/270 SN OR BX | K.100 |
| 1948860000 | BLZP 5.08HC/09/270 SN OR BX | K.100 |
| 1948870000 | BLZP 5.08HC/10/270 SN OR BX | K.100 |
| 1948880000 | BLZP 5.08HC/11/270 SN OR BX | K.100 |
| 1948890000 | BLZP 5.08HC/12/270 SN OR BX | K.100 |
| 1949800000 | BLZP 5.08HC/02/90F SN OR BX | K.99 |
| 1949810000 | BLZP 5.08HC/03/90F SN OR BX | K.99 |
| 1949820000 | BLZP 5.08HC/04/90F SN OR BX | K.99 |
| 1949830000 | BLZP 5.08HC/05/90F SN OR BX | K.99 |
| 1949840000 | BLZP 5.08HC/06/90F SN OR BX | K.99 |
| 1949850000 | BLZP 5.08HC/07/90F SN OR BX | K.99 |
| 1949860000 | BLZP 5.08HC/08/90F SN OR BX | K.99 |
| 1949870000 | BLZP 5.08HC/09/90F SN OR BX | K.99 |
| 1949880000 | BLZP 5.08HC/10/90F SN OR BX | K.99 |
| 1949890000 | BLZP 5.08HC/11/90F SN OR BX | K.99 |
| 1949900000 | BLZP 5.08HC/12/90F SN OR BX | K.99 |

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| 950310000 | BLZP 5.08HC/02/270F SN OR BX | K.101 |
| 950320000 | BLZP 5.08HC/03/270F SN OR BX | K.101 |
| 950330000 | BLZP 5.08HC/04/270F SN OR BX | K.101 |
| 950340000 | BLZP 5.08HC/05/270F SN OR BX | K.101 |
| 950350000 | BLZP 5.08HC/06/270F SN OR BX | K.101 |
| 950360000 | BLZP 5.08HC/07/270F SN OR BX | K.101 |
| 950370000 | BLZP 5.08HC/08/270F SN OR BX | K.101 |
| 950380000 | BLZP 5.08HC/09/270F SN OR BX | K.101 |
| 950390000 | BLZP 5.08HC/10/270F SN OR BX | K.101 |
| 950400000 | BLZP 5.08HC/11/270F SN OR BX | K.101 |
| 950410000 | BLZP 5.08HC/12/270F SN OR BX | K.101 |
| 952570000 | LMZF 7/2/135 3.50R | F.100 |
| 952580000 | LMZF 7/3/135 3.50R | F.100 |
| 952590000 | LMZF 7/4/135 3.50R | F.100 |
| 952600000 | LMZF 7/5/135 3.50R | F.100 |
| 952610000 952620000 | LMZF 7/6/135 3.50R | F.100 |
| 952630000 | LMZF 7/7/135 3.50R LMZF 7/8/135 3.50R | F.100 F.100 |
| 952640000 | LMZF 7/9/135 3.50R | F.100 |
| 952650000 | LMZF 7/10/135 3.50R | F.100 |
| 952660000 | LMZF 7/11/135 3.50R | F.100 |
| 952670000 | LMZF 7/12/135 3.50R | F.100 |
| 953010000 | LMZFL 7/2/135 3.50R | F.101 |
| 953020000 | LMZFL 7/3/135 3.50R | F.101 |
| 953030000 | LMZFL 7/4/135 3.50R | F.101 |
| 953040000 | LMZFL 7/5/135 3.50R | F.101 |
| 953050000 | LMZFL 7/6/135 3.50R | F.101 |
| 953060000 | LMZFL 7/7/135 3.50R | F.101 |
| 953070000 | LMZFL 7/8/135 3.50R | F.101 |
| 953080000 | LMZFL 7/9/135 3.50R | F.101 |
| 953090000 | LMZFL 7/10/135 3.50R | F.101 |
| 953100000 | LMZFL 7/11/135 3.50R | F.101 |
| 953110000 | LMZFL 7/12/135 3.50R | F.101 |
| 953470000 | LMZF 10/2/135 3.50R | F.102 |
| 953480000 | LMZF 10/3/135 3.50R | F.102 |
| 953490000 | LMZF 10/4/135 3.50R | F.102 |
| 953500000 953510000 | LMZF 10/5/135 3.50R LMZF 10/6/135 3.50R | F.102 F.102 |
| 953520000 | LMZF 10/7/135 3.50R | F.102 |
| 953530000 | LMZF 10/8/135 3.50R | F.102 |
| 953540000 | LMZF 10/9/135 3.50R | F.102 |
| 953550000 | LMZF 10/10/135 3.50R | F.102 |
| 953560000 | LMZF 10/11/135 3.50R | F.102 |
| 953570000 | LMZF 10/12/135 3.50R | F.102 |
| 953930000 | LMZFL 10/2/135 3.50R | F.103 |
| 953940000 | LMZFL 10/3/135 3.50R | F.103 |
| 953950000 | LMZFL 10/4/135 3.50R | F.103 |
| 953960000 | LMZFL 10/5/135 3.50R | F.103 |
| 953970000 | LMZFL 10/6/135 3.50R | F.103 |
| 953980000 | LMZFL 10/7/135 3.50R | F.103 |
| 953990000 | LMZFL 10/8/135 3.50R | F.103 |
| 954000000 | LMZFL 10/9/135 3.50R | F.103 |
| 954010000 | LMZFL 10/10/135 3.50R | F.103 |
| 954020000 | LMZFL 10/11/135 3.50R | F.103 |
| 954030000 | LMZFL 10/12/135 3.50R | F.103 |
| 954390000 954400000 | BLZP 5.00HC/12/180 SN OR BX BLZP 5.00HC/11/180 SN OR BX | K.40 K.40 |
| 954400000 | BLZP 5.00HC/11/180 SN OR BX | K.4L K.4C |
| 954420000 | BLZP 5.00HC/09/180 SN OR BX | K.40 |
| 00-1920000 | DEEL G.OUTIO/ OG/ TOO SIN UN DA | N.40 |
| | | |

Weidmüller ₹ **X.35**

| Order No. | Туре | Page | Order No. | Туре | Page | Order No. | Туре | Page | Order No. | Туре | Page |
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| | BLZP 5.00HC/08/180 SN OR BX | K.40 | | SC-SMT 3.81 KO GY BX | J.12 | 1973740000 | SCD-THR 3.81/06/90G 3.2SN BK BX | J.16 | 1977210000 | SC-SMT 3.81/03/135G 3.2SN BK BX | J.12 |
| 1954440000 | | K.40 | 1968900000 | | J.14 | 1973750000 | SCD-THR 3.81/08/90G 3.2SN BK BX | J.16 | 1977220000 | SC-SMT 3.81/04/135G 3.2SN BK BX | J.12 |
| 1954450000 1954460000 | | K.40 K.40 | 1968900000 1968900000 | | J.16 J.18 | 1973760000 1973770000 | SCD-THR 3.81/10/90G 3.2SN BK BX SCD-THR 3.81/12/90G 3.2SN BK BX | J.16 J.16 | 1977230000 1977240000 | SC-SMT 3.81/05/135G 3.2SN BK BX SC-SMT 3.81/06/135G 3.2SN BK BX | J.12 J.12 |
| 1954470000 | BLZP 5.00HC/04/180 SN OR BX | K.40 | 1968900000 | SC-SMT 3.81 KO GY BX | J.20 | 1973780000 | SCD-THR 3.81/14/90G 3.2SN BK BX | J.16 | 1977250000 | SC-SMT 3.81/07/135G 3.2SN BK BX | J.12 |
| 1954480000 | | K.40 K.40 | 1968900000 | | J.22 J.24 | 1973790000 1973800000 | SCD-THR 3.81/16/90G 3.2SN BK BX SCD-THR 3.81/18/90G 3.2SN BK BX | J.16 J.16 | 1977260000 1977280000 | LL2N 5.00/08/90 3.2SN OR BX LL2N 5.00/12/90 3.2SN OR BX | F.35 F.35 |
| 1955700000 | BLZP 5.00HC/12/180F SN OR BX | K.40 | 1968900000 | | J.24 J.26 | 1973810000 | SCD-THR 3.81/20/90G 3.2SN BK BX | J.16 J.16 | 1977310000 | LL2N 5.00/12/90 3.2SN OR BX | F.35 |
| 1955710000 | BLZP 5.00HC/11/180F SN OR BX | K.41 | 1968900000 | | J.28 | 1973820000 | | J.16 | 1977330000 | LL2N 5.00/20/90 3.2SN OR BX | F.35 |
| 1955720000 | BLZP 5.00HC/10/180F SN OR BX | K.41 | 1968900000 | | J.30 | 1973830000 | | J.16 | 1977350000 | LL2N 5.00/24/90 3.2SN OR BX | F.35 |
| 1955730000 | BLZP 5.00HC/09/180F SN OR BX BLZP 5.00HC/08/180F SN OR BX | K.41 | 1968900000 | | J.32 J.34 | 1974180000 1974190000 | SCD-THR 3.81/04/90F 3.2SN BK BX SCD-THR 3.81/06/90F 3.2SN BK BX | J.17 J.17 | 1977480000 | LL2N 5.08/08/90 3.2SN OR BX LL2N 5.08/12/90 3.2SN OR BX | F.37 F.37 |
| 1955750000 | BLZP 5.00HC/07/180F SN OR BX | K.41 | 1968900000 | | J.36 | 1974200000 | SCD-THR 3.81/08/90F 3.2SN BK BX | J.17 | 1977520000 | LL2N 5.08/16/90 3.2SN OR BX | F.37 |
| 1955760000 | BLZP 5.00HC/06/180F SN OR BX | K.41 | 1968900000 | | J.38 | 1974210000 | SCD-THR 3.81/10/90F 3.2SN BK BX | J.17 | 1977540000 | LL2N 5.08/20/90 3.2SN OR BX | F.37 |
| 1955770000 | BLZP 5.00HC/05/180F SN OR BX | K.41 | 1968900000 | | J.40 | 1974220000 1974230000 | SCD-THR 3.81/12/90F 3.2SN BK BX | J.17 | 1977560000 | LL2N 5.08/24/90 3.2SN OR BX | F.37 |
| 1955780000 1955790000 | BLZP 5.00HC/04/180F SN OR BX BLZP 5.00HC/03/180F SN OR BX | K.41 | 1968900000 1968900000 | | J.42 J.44 | 1974240000 | SCD-THR 3.81/14/90F 3.2SN BK BX SCD-THR 3.81/16/90F 3.2SN BK BX | J.17 J.17 | 1977690000 1977700000 | SC-SMT 3.81/08/135G 3.2SN BK BX SC-SMT 3.81/09/135G 3.2SN BK BX | J.12 J.12 |
| 1955800000 | BLZP 5.00HC/02/180F SN OR BX | K.41 | 1968900000 | | J.46 | 1974250000 | SCD-THR 3.81/18/90F 3.2SN BK BX | J.17 | 1977710000 | SC-SMT 3.81/10/135G 3.2SN BK BX | J.12 |
| 1956270000 | | K.41 | 1969090000 | | J.54 | 1974290000 | SCD-THR 3.81/20/90F 3.2SN BK BX | J.17 | 1977720000 | SC-SMT 3.81/11/135G 3.2SN BK BX | J.12 |
| 1956280000 1956290000 | BLZP 5.00HC/11/180LR SN OR BX BLZP 5.00HC/10/180LR SN OR BX | K.41 | 1969100000 1969110000 | BCF 3.81/03/180 SN OR BX BCF 3.81/04/180 SN OR BX | J.54 J.54 | 1974310000 1974330000 | SCD-THR 3.81/22/90F 3.2SN BK BX SCD-THR 3.81/24/90F 3.2SN BK BX | J.17 J.17 | 1977730000 1978080000 | SC-SMT 3.81/12/135G 3.2SN BK BX SC-SMT 3.81/02/135LF 3.2SN BK BX | J.12 J.13 |
| 1956300000 | | K.41 | 1969120000 | | J.54 | 1974750000 | BCL-SMT 3.81/02/90 1.5SN BK BX | J.58 | 1978090000 | SC-SMT 3.81/03/135LF 3.2SN BK BX | J.13 |
| 1956310000 | BLZP 5.00HC/08/180LR SN OR BX | K.41 | 1969130000 | BCF 3.81/06/180 SN OR BX | J.54 | 1974770000 | BCL-SMT 3.81/03/90 1.5SN BK BX | J.58 | 1978100000 | SC-SMT 3.81/04/135LF 3.2SN BK BX | J.13 |
| 1956320000 | | K.41 | 1969140000 | BCF 3.81/07/180 SN OR BX | J.54 | 1974780000 | BCL-SMT 3.81/04/90 1.5SN BK BX | J.58 | 1978110000 | SC-SMT 3.81/05/135LF 3.2SN BK BX | J.13 |
| 1956330000 1956340000 | | K.41 | 1969150000 1969160000 | BCF 3.81/08/180 SN OR BX BCF 3.81/09/180 SN OR BX | J.54 J.54 | 1974800000 1974820000 | BCL-SMT 3.81/05/90 1.5SN BK BX BCL-SMT 3.81/06/90 1.5SN BK BX | J.58 J.58 | 1978120000 1978130000 | SC-SMT 3.81/06/135LF 3.2SN BK BX SC-SMT 3.81/07/135LF 3.2SN BK BX | J.13 J.13 |
| 1956350000 | | K.41 | 1969170000 | BCF 3.81/10/180 SN OR BX | J.54 | 1974840000 | | J.58 | 1978140000 | SC-SMT 3.81/08/135LF 3.2SN BK BX | J.13 |
| 1956360000 | | K.41 | 1969180000 | | J.54 | 1974850000 | | J.58 | 1978150000 | SC-SMT 3.81/09/135LF 3.2SN BK BX | J.13 |
| 1956370000 1958120000 | BLZP 5.00HC/02/180LR SN OR BX BLZP 5.00HC/12/90 SN OR BX | K.41 K.42 | 1969190000 | BCF 3.81/12/180 SN OR BX SCZ 3.81/02/180G SN OR BX | J.54 J.44 | 1974880000 1974890000 | BCL-SMT 3.81/09/90 1.5SN BK BX BCL-SMT 3.81/10/90 1.5SN BK BX | J.58 J.58 | 1978160000 1978170000 | SC-SMT 3.81/10/135LF 3.2SN BK BX SC-SMT 3.81/11/135LF 3.2SN BK BX | J.13 J.13 |
| 1958130000 | | K.42 | 1969540000 | | J.44 | 1974910000 | BCL-SMT 3.81/11/90 1.5SN BK BX | J.58 | 1978180000 | SC-SMT 3.81/12/135LF 3.2SN BK BX | J.13 |
| 1958160000 | BLZP 5.00HC/10/90 SN OR BX | K.42 | 1969560000 | | J.44 | 1974930000 | BCL-SMT 3.81/12/90 1.5SN BK BX | J.58 | 1978850000 | LL3R 5.00/12/90 3.2SN OR BX | F.35 |
| 1958190000 | BLZP 5.00HC/09/90 SN OR BX | K.42 | 1969570000 | | J.44 | 1975250000 | LL1N 5.00/02/90 3.2SN OR BX | F.34 | 1978870000 | LL3R 5.00/18/90 3.2SN OR BX | F.35 |
| 1958230000 1958250000 | | K.42 K.42 | 1969580000 1969590000 | | J.44 J.44 | 1975260000 1975270000 | LL1N 5.00/03/90 3.2SN OR BX LL1N 5.00/04/90 3.2SN OR BX | F.34 F.34 | 1978890000 1978910000 | LL3R 5.00/24/90 3.2SN OR BX LL3R 5.00/30/90 3.2SN OR BX | F.35 F.35 |
| 1958260000 | | K.42 | 1969610000 | SCZ 3.81/08/180G SN OR BX | J.44 | 1975280000 | LL1N 5.00/05/90 3.2SN OR BX | F.34 | 1978930000 | LL3R 5.00/36/90 3.2SN OR BX | F.35 |
| 1958270000 | | K.42 | 1969630000 | | J.44 | 1975290000 | | F.34 | 1979060000 | LL3R 5.08/12/90 3.2SN OR BX | F.37 |
| 1958280000 1958290000 | BLZP 5.00HC/04/90 SN OR BX BLZP 5.00HC/03/90 SN OR BX | K.42 K.42 | 1969640000 | | J.44 J.44 | 1975300000 1975310000 | LL1N 5.00/07/90 3.2SN OR BX LL1N 5.00/08/90 3.2SN OR BX | F.34 F.34 | 1979080000 1979100000 | LL3R 5.08/18/90 3.2SN OR BX | F.37 F.37 |
| 1958300000 | | K.42 | | SCZ 3.81/12/180G SN OR BX | J.44 | 1975320000 | | F.34 | 1979120000 | LL3R 5.08/24/90 3.2SN OR BX LL3R 5.08/30/90 3.2SN OR BX | F.37 |
| 1958780000 | BLZP 5.00HC/11/270 SN OR BX | K.44 | | | | 1975330000 | LL1N 5.00/10/90 3.2SN OR BX | F.34 | 1979140000 | LL3R 5.08/36/90 3.2SN OR BX | F.37 |
| 1958790000 | BLZP 5.00HC/10/270 SN OR BX | K.44 | 1970 | 000000 | | 1975340000 | | F.34 | 1979720000 | SC 3.81 FLA 1.5/16 | J.26 |
| 1958800000 1958810000 | BLZP 5.00HC/09/270 SN OR BX BLZP 5.00HC/08/270 SN OR BX | K.44 K.44 | | SCZ 3.81/02/180FI SN OR BX | J.45 | 1975350000 1975360000 | | F.34 F.36 | 1979720000 1979730000 | SC 3.81 FLA 1.5/16 SC 3.81 FLA 1.5/14.25 | M.9 J.26 |
| 1958820000 | | K.44 | 1970270000 | | J.45 | 1975370000 | LL1N 5.08/03/90 3.2SN OR BX | F.36 | 1979730000 | SC 3.81 FLA 1.5/14.25 | M.9 |
| 1958830000 | | K.44 | 1970300000 | | J.55 | 1975380000 | | F.36 | 1979740000 | SC 3.81 FLA 2.3/16 | J.26 |
| 1958840000 | | K.44 | 1970310000 | SCZ 3.81/04/180FI SN OR BX | J.45 | 1975390000 | | F.36 F.36 | 1979740000 1979750000 | SC 3.81 FLA 2.3/16 | M.9 |
| 1958850000 | BLZP 5.00HC/04/270 SN OR BX | K.44 | 1970320000 | SCZ 3.81/05/180FI SN OR BX | J.45 | 1975400000 | LL1N 5.08/06/90 3.2SN OR BX | | | SC 3.81 FLA 2.3/14.25 | J.26 |
| 1958860000 | BLZP 5.00HC/03/270 SN OR BX | K 44 | 1970330000 | BCF 3.81/03/180F SN OR BX | J.55 | 1975410000 | | | | SC 3 81 FLA 2 3/14 25 | M.9 |
| 1958860000 1958870000 | BLZP 5.00HC/03/270 SN OR BX BLZP 5.00HC/02/270 SN OR BX | K.44 K.44 | 1970330000 1970340000 | | J.55 J.45 | 1975410000 1975420000 | LL1N 5.08/07/90 3.2SN OR BX | F.36 F.36 | 1979750000 | SC 3.81 FLA 2.3/14.25 | M.9 |
| 1958870000 1959150000 | BLZP 5.00HC/02/270 SN OR BX BLZP 5.00HC/12/270 SN OR BX | K.44 K.44 | 1970340000 1970350000 | SCZ 3.81/06/180FI SN OR BX SCZ 3.81/07/180FI SN OR BX | J.45 J.45 | 1975420000 1975430000 | LL1N 5.08/07/90 3.2SN OR BX LL1N 5.08/08/90 3.2SN OR BX LL1N 5.08/09/90 3.2SN OR BX | F.36 F.36 F.36 | 1979750000 | | M.9 |
| 1958870000 1959150000 1959370000 | BLZP 5.00HC/02/270 SN OR BX BLZP 5.00HC/12/270 SN OR BX BLZP 5.00HC/12/90F SN OR BX | K.44 K.44 K.43 | 1970340000 1970350000 1970360000 | SCZ 3.81/06/180FI SN OR BX SCZ 3.81/07/180FI SN OR BX SCZ 3.81/08/180FI SN OR BX | J.45 J.45 J.45 | 1975420000 1975430000 1975440000 | LLIN 5.08/07/90 3.2SN OR BX LLIN 5.08/08/90 3.2SN OR BX LLIN 5.08/09/90 3.2SN OR BX LLIN 5.08/10/90 3.2SN OR BX | F.36 F.36 F.36 F.36 | 1980 | 000000 | |
| 1958870000 1959150000 | BLZP 5.00HC/02/270 SN OR BX BLZP 5.00HC/12/270 SN OR BX BLZP 5.00HC/12/90F SN OR BX BLZP 5.00HC/11/90F SN OR BX | K.44 K.44 | 1970340000 1970350000 | SCZ 3.81/06/180FI SN OR BX SCZ 3.81/07/180FI SN OR BX SCZ 3.81/08/180FI SN OR BX BCF 3.81/04/180F SN OR BX | J.45 J.45 | 1975420000 1975430000 | LLIN 5.08/07/90 3.2SN OR BX LLIN 5.08/08/90 3.2SN OR BX LLIN 5.08/09/90 3.2SN OR BX LLIN 5.08/10/90 3.2SN OR BX | F.36 F.36 F.36 | 1979750000 | | M.9 K.48 K.48 |
| 1958870000 1959150000 1959370000 1959390000 1959430000 1959440000 | BLZP 5.00HC/02/270 SN OR BX BLZP 5.00HC/12/270 SN OR BX BLZP 5.00HC/12/90F SN OR BX BLZP 5.00HC/11/90F SN OR BX BLZP 5.00HC/10/90F SN OR BX BLZP 5.00HC/09/90F SN OR BX | K.44 K.43 K.43 K.43 K.43 | 1970340000 1970350000 1970360000 1970370000 1970380000 1970390000 | SCZ 3.81/06/180F1 SN OR BX SCZ 3.81/07/180F1 SN OR BX SCZ 3.81/08/180F1 SN OR BX BCF 3.81/04/180F SN OR BX BCF 3.81/05/180F SN OR BX SCZ 3.81/09/180F1 SN OR BX | J.45 J.45 J.55 J.55 J.45 | 1975420000 1975430000 1975440000 1975460000 1975690000 | LLIN 5.08/07/90 3.2SN OR BX LLIN 5.08/08/90 3.2SN OR BX LLIN 5.08/09/90 3.2SN OR BX LLIN 5.08/10/90 3.2SN OR BX LLIN 5.08/11/90 3.2SN OR BX LLIN 5.08/11/90 3.2SN OR BX BCLSMT 3.81/02/90F 1.5SN DR BX | F.36 F.36 F.36 F.36 F.36 F.36 J.59 | 1979750000 1980 1980170000 1980180000 1980190000 | 000000 BLF 5.00HC/02/90 SN OR BX BLF 5.00HC/03/90 SN OR BX BLF 5.00HC/04/90 SN OR BX | K.48 K.48 K.48 |
| 1958870000 1959150000 1959370000 1959390000 1959430000 1959440000 1959450000 | BLZP 5.00HC/02/270 SN OR BX BLZP 5.00HC/12/270 SN OR BX BLZP 5.00HC/12/90F SN OR BX BLZP 5.00HC/11/90F SN OR BX BLZP 5.00HC/11/90F SN OR BX BLZP 5.00HC/10/90F SN OR BX BLZP 5.00HC/12/270F SN OR BX | K.44 K.43 K.43 K.43 K.43 K.43 | 1970340000 1970350000 1970360000 1970370000 1970380000 1970390000 1970400000 | SCZ 3.81/06/180F1 SN OR BX SCZ 3.81/07/180F1 SN OR BX SCZ 3.81/08/180F1 SN OR BX BCF 3.81/04/180F1 SN OR BX BCF 3.81/04/180F SN OR BX SCZ 3.81/09/180F1 SN OR BX BCF 3.81/06/180F SN OR BX | J.45 J.45 J.55 J.55 J.45 J.45 J.55 | 1975420000 1975430000 1975440000 1975460000 1975470000 1975700000 | LLIN 5.08/07/90 3.2SN OR BX LLIN 5.08/08/90 3.2SN OR BX LLIN 5.08/09/90 3.2SN OR BX LLIN 5.08/10/90 3.2SN OR BX LLIN 5.08/11/90 3.2SN OR BX LLIN 5.08/11/90 3.2SN OR BX BCLSMT 3.81/02/90F 1.5SN BK BX BCLSMT 3.81/02/90F 1.5SN BK BX | F.36 F.36 F.36 F.36 F.36 J.59 | 1980 1980 1980170000 1980180000 1980190000 1980200000 | BLF 5.00HC/02/90 SN OR BX BLF 5.00HC/03/90 SN OR BX BLF 5.00HC/03/90 SN OR BX BLF 5.00HC/05/90 SN OR BX BLF 5.00HC/05/90 SN OR BX | K.48 K.48 K.48 K.48 |
| 1958870000 1959150000 1959370000 1959390000 1959430000 1959440000 | BLZP 5.00HC/02/270 SN OR BX BLZP 5.00HC/12/270 SN OR BX BLZP 5.00HC/12/90F SN OR BX BLZP 5.00HC/11/90F SN OR BX BLZP 5.00HC/10/90F SN OR BX BLZP 5.00HC/09/90F SN OR BX BLZP 5.00HC/02/90F SN OR BX BLZP 5.00HC/12/270F SN OR BX BLZP 5.00HC/08/90F SN OR BX | K.44 K.43 K.43 K.43 K.43 | 1970340000 1970350000 1970360000 1970370000 1970380000 1970390000 | SC2 3.81/06/180FI SN OR BX SC2 3.81/07/180FI SN OR BX SC2 3.81/07/180FI SN OR BX BCF 3.81/04/180F SN OR BX BCF 3.81/04/180F SN OR BX SC2 3.81/05/180F SN OR BX SC2 3.81/05/180F SN OR BX SC2 3.81/05/180F SN OR BX SC2 3.81/10/180FI SN OR BX | J.45 J.45 J.55 J.55 J.45 J.55 J.45 | 1975420000 1975430000 1975440000 1975460000 1975690000 | LLIN 5.08/07/90 3.2SN OR BX LLIN 5.08/08/99 3.2SN OR BX LLIN 5.08/09/90 3.2SN OR BX LLIN 5.08/10/90 3.2SN OR BX LLIN 5.08/11/90 3.2SN OR BX LLIN 5.08/12/90 3.2SN OR BX LLIN 5.08/12/90 3.2SN OR BX BCL-SMT 3.81/02/90F 1.5SN BK BX BCL-SMT 3.81/02/90F 1.5SN BK BX BCL-SMT 3.81/04/90F 1.5SN BK BX | F.36 F.36 F.36 F.36 F.36 F.36 J.59 | 1979750000 1980 1980170000 1980180000 1980190000 | BLF 5.00HC/02/90 SN OR BX BLF 5.00HC/03/90 SN OR BX BLF 5.00HC/03/90 SN OR BX BLF 5.00HC/05/90 SN OR BX BLF 5.00HC/05/90 SN OR BX | K.48 K.48 K.48 K.48 |
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| Order No. | Туре | Page |
|--------------------------|--------------------------------------------------------------|----------------|
| 1982910000 | BLF 5.08HC/04/270F SN OR BX | K.113 |
| 1982920000 | BLF 5.08HC/05/270F SN OR BX | K.113 |
| 1982930000 | BLF 5.08HC/06/270F SN OR BX | K.113 |
| 1982940000 | BLF 5.08HC/07/270F SN OR BX | K.113 |
| 1982950000 | BLF 5.08HC/08/270F SN OR BX | K.113 |
| 1982960000 | BLF 5.08HC/09/270F SN OR BX | K.113 |
| 1982970000 | BLF 5.08HC/10/270F SN OR BX | K.113 |
| 1982980000 | BLF 5.08HC/11/270F SN OR BX | K.113 |
| 1982990000 | BLF 5.08HC/12/270F SN OR BX | K.113 |
| 1983080000 | BLF 5.08HC/02/270LR SN OR BX | K.113 |
| 1983090000 | BLF 5.08HC/03/270LR SN OR BX | K.113 |
| 1983100000 | BLF 5.08HC/04/270LR SN OR BX | K.113 |
| 1983110000 | BLF 5.08HC/05/270LR SN OR BX | K.113 |
| 1983120000 | BLF 5.08HC/06/270LR SN OR BX | K.113 |
| 1983130000 | BLF 5.08HC/07/270LR SN OR BX | K.113 |
| 1983140000 | BLF 5.08HC/08/270LR SN OR BX | K.113 |
| 1983150000 | BLF 5.08HC/09/270LR SN OR BX | K.113 |
| 1983160000 1983170000 | BLF 5.08HC/10/270LR SN OR BX BLF 5.08HC/11/270LR SN OR BX | K.113 K.113 |
| 1983180000 | BLF 5.08HC/12/270LR SN OR BX | K.113 |
| 1985910000 | USB2.0A T1V 2.5N4 TY BK | E.12 |
| 1988380000 | BHF 5.00/02/180LH BK/OR | S.36 |
| 1988590000 | LUF 10.00/01/90 5.0SN BK BX | N.32 |
| 1988600000 | LUF 10.00/02/90 5.0SN BK BX | N.32 |
| 1988610000 | LUF 10.00/03/90 5.0SN BK BX | N.32 |
| 1988620000 | LUF 10.00/04/90 5.0SN BK BX | N.32 |
| 1988630000 | LUF 10.00/05/90 5.0SN BK BX | N.32 |
| 1988640000 | LUF 10.00/06/90 5.0SN BK BX | N.32 |
| 1988650000 | LUF 10.00/07/90 5.0SN BK BX | N.32 |
| 1988660000 | LUF 10.00/08/90 5.0SN BK BX | N.32 |
| 1988670000 | LUF 10.00/09/90 5.0SN BK BX | N.32 |
| 1988680000 | LUF 10.00/10/90 5.0SN BK BX | N.32 |
| 1988690000 | LUF 10.00/11/90 5.0SN BK BX | N.32 |
| 1988700000 | LUF 10.00/12/90 5.0SN BK BX | N.32 |
| 1989090000 | BHF 5.00/04/180LH BK/BL | \$.37 |
| 1989190000 | BHF 5.00/04/180LH BK/OR | S.36 |
| 1989200000 | BHF 5.00/03/180LH BK/BL | S.37 |
| 1989210000 | BHF 5.00/03/180LH BK/0R | \$.36 |
| 1989220000 | BHF 5.00/02/180LH BK/BL | S.37 |
| 1990 | 000000 | |
| 1994230000 | LL 5.00/02/180 3.2SN OR BX | F.33 |
| 1994240000 | LL 5.00/03/180 3.2SN OR BX | F.33 |
| 1994250000 | LL 5.08/02/180 3.2SN OR BX | F.33 |
| 1994260000 | LL 5.08/03/180 3.2SN OR BX | F.33 |
| 2000 | 000000 | |
| 2000430000 | BUZ 10.16IT/04/180MF3 AG BK BX | 0.93 |
| 2000890000 | RJ45C5 S1D 2.7N4N RL | D.8 |
| 2000940000 | LS2HF 3.50/04/90 3.5SN OR BX | F.96 |
| 2000950000 | LS2HF 3.50/06/90 3.5SN OR BX | F.96 |
| 2000960000 | LS2HF 3.50/08/90 3.5SN OR BX | F.96 |

| ZUUU | IUUUUUU | |
|------------|--------------------------------|------|
| 2000430000 | BUZ 10.16IT/04/180MF3 AG BK BX | 0.93 |
| 2000890000 | RJ45C5 S1D 2.7N4N RL | D.8 |
| 2000940000 | LS2HF 3.50/04/90 3.5SN OR BX | F.96 |
| 2000950000 | LS2HF 3.50/06/90 3.5SN OR BX | F.96 |
| 2000960000 | LS2HF 3.50/08/90 3.5SN OR BX | F.96 |
| 2000970000 | LS2HF 3.50/10/90 3.5SN OR BX | F.96 |
| 2000980000 | LS2HF 3.50/12/90 3.5SN OR BX | F.96 |
| 2000990000 | LS2HF 3.50/14/90 3.5SN OR BX | F.96 |
| 2001000000 | LS2HF 3.50/16/90 3.5SN OR BX | F.96 |
| 2001010000 | LS2HF 3.50/18/90 3.5SN OR BX | F.96 |
| 2001020000 | LS2HF 3.50/20/90 3.5SN OR BX | F.96 |
| 2001030000 | LS2HF 3.50/22/90 3.5SN OR BX | F.96 |
| 2001040000 | LS2HF 3.50/24/90 3.5SN OR BX | F.96 |
| 2004700000 | CH20M22 B BUS FE BK/OR 2010 | S.26 |

| 2010 | 1000000 | |
|-------------|------------------------------|------|
| 2012810000 | LUP 10.16/02/90V 5.0SN BK BX | N.20 |
| 2012890000 | LUP 10.16/03/90V 5.0SN BK BX | N.20 |
| 2013870000 | LUP 10.16/04/90V 5.0SN BK BX | N.20 |
| 2013880000 | LUP 10.16/05/90V 5.0SN BK BX | N.20 |
| 2013890000 | LUP 10.16/06/90V 5.0SN BK BX | N.20 |
| 2013900000 | LUP 10.16/07/90V 5.0SN BK BX | N.20 |
| 2013910000 | LUP 10.16/08/90V 5.0SN BK BX | N.20 |
| 2013920000 | LUP 10.16/09/90V 5.0SN BK BX | N.20 |
| 2014050000 | LUP 10.16/02/90 5.0SN BK BX | N.19 |
| 2014060000 | LUP 10.16/03/90 5.0SN BK BX | N.19 |
| 2014090000 | LUP 10.16/04/90 5.0SN BK BX | N.19 |
| 2014140000 | LUP 10.16/05/90 5.0SN BK BX | N.19 |
| 2014150000 | LUP 10.16/06/90 5.0SN BK BX | N.19 |
| 2014160000 | LUP 10.16/07/90 5.0SN BK BX | N.19 |
| 2014170000 | LUP 10.16/08/90 5.0SN BK BX | N.19 |
| 2014180000 | LUP 10.16/09/90 5.0SN BK BX | N.19 |
| 2014360000 | LUP 12.70/02/90 5.0SN BK BX | N.2 |
| 2014380000 | LUP 12.70/03/90 5.0SN BK BX | N.2 |
| 2014400000 | LUP 12.70/04/90 5.0SN BK BX | N.2 |
| 2014420000 | LUP 12.70/05/90 5.0SN BK BX | N.2 |
| 2014590000 | LUP 12.70/06/90 5.0SN BK BX | N.2 |
| 2014610000 | LUP 12.70/07/90 5.0SN BK BX | N.2 |
| 2014760000 | LUP 12.70/08/90 5.0SN BK BX | N.2 |
| 2014900000 | LUP 12.70/09/90 5.0SN BK BX | N.2 |

| 2030000000 | | | |
|------------|---------------------------|------|--|
| 2036460000 | RJ45M T12D 3.3E4G/Y RL | D.40 | |
| 2036510000 | RJ45G1 R12D 3.2E4YG/YG RL | D.34 | |

| 2060000000 | | |
|------------|---------------------------|------|
| 2062690000 | RF RS 70 RE/A3/M.BEZ 1665 | S.51 |

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| 2062810000 | RF RS 70 MI/A6 1665 | S.51 |
| 2064300000 | | S.51 |
| 2004300000 | III II3 70 IIE/A3/0.30 1003 | 3.31 |
| | | |
| <i>777</i> 0 | 1000000 | |
| | | |
| 2224040000 | KOPL MCZ 1.5 1816 | S.45 |
| 2224220000 | GH MCZ1.5 1674 | S.45 |
| 2224240000 | RA MCZ1.5 DKBG 1674 | S.45 |
| 2224380000 | SMSE LN FE MCZ 1.5 | S.45 |
| 2224390000 | SMSE KU FE MCZ 1.5 | S.45 |

| 2310 | 000000 | |
|------------|---------------------|--|
| 2312290000 | GH MCZUE1 5/UE 1674 | |

| 2410 | 000000 | |
|------------|------------------------|-------|
| 2418580000 | LHZ-SMT L 1.5SN BK RL | \$.32 |
| 2418590000 | LHZ-SMT R 1.5SN BK RL | S.32 |
| 2418620000 | CH20M6 C BK 1819 | \$.20 |
| 2418630000 | CH20M22 B BK/BK 2010 | S.26 |
| 2418640000 | CH20M22 F BK 2010 | S.26 |
| 2418650000 | CH20M22 S PPSC BK 2010 | S.27 |
| 2418660000 | CH20M22 S PPSC BL 2013 | S.27 |
| 2418670000 | CH20M22 C BK 1819 | S.26 |

| 2420 | 000000 | |
|------------|-----------------------------------------|------|
| 2427640000 | WGK 50 GY BX | 0.22 |
| 2427650000 | WGK 50/Z GY BX | 0.22 |
| 2427660000 | WGK 50 GN/YE BX | 0.22 |
| 2427680000 | WGK 50 BK BX | 0.22 |
| 2427690000 | WGK 50/Z BK BX | 0.22 |
| 2427810000 | WGK 50/Z GN/YE BX | 0.22 |
| 2427960000 | BVFL 7.62HP/4/180MF4 BCF/4 SNBKBX SH180 | 0.46 |
| 2428270000 | WGK 50 VP GN/YE BX | 0.23 |
| 2428280000 | WGK 50 VP GY BX | 0.23 |
| 2428290000 | WGK 50 VP/Z GN/YE BX | 0.23 |
| 2428300000 | WGK 50 VP/Z GY BX | 0.23 |
| 2428440000 | WGK 50 VP BK BX | 0.23 |
| 2428450000 | WGK 50 VP/Z BK BX | 0.23 |
| 2429470000 | LL 5.00/04/180 3.2SN OR BX | F.33 |
| 2429530000 | LL 5.00/05/180 3.2SN OR BX | F.33 |
| 2429540000 | LL 5.00/06/180 3.2SN OR BX | F.33 |
| 2429550000 | LL 5.00/07/180 3.2SN OR BX | F.33 |
| 2429560000 | LL 5.00/08/180 3.2SN OR BX | F.33 |
| 2429570000 | LL 5.00/09/180 3.2SN OR BX | F.33 |
| 2429580000 | LL 5.00/10/180 3.2SN OR BX | F.33 |
| 2429590000 | LL 5.00/11/180 3.2SN OR BX | F.33 |
| 2429600000 | LL 5.00/12/180 3.2SN OR BX | F.33 |
| 2429810000 | LL 5.08/04/180 3.2SN OR BX | F.33 |

| 2420010000 | EL 0.00/ 04/ 100 0.2014 011 BX | 1.0 |
|------------|---------------------------------|-----|
| 2/130 | 000000 | |
| 2430 | 100000 | |
| 2431930000 | LL 5.08/05/180 3.2SN OR BX | F.3 |
| 2431950000 | LL 5.08/06/180 3.2SN OR BX | F.3 |
| 2431960000 | LL 5.08/07/180 3.2SN OR BX | F.3 |
| 2431970000 | LL 5.08/08/180 3.2SN OR BX | F.3 |
| 2431980000 | LL 5.08/09/180 3.2SN OR BX | F.3 |
| 2431990000 | LL 5.08/10/180 3.2SN OR BX | F.3 |
| 2432000000 | LL 5.08/11/180 3.2SN OR BX | F.3 |
| 2432010000 | LL 5.08/12/180 3.2SN OR BX | F.3 |
| 2435460000 | CH20M6 BP 4P-4P FE BK 1 1261494 | S.2 |
| 2436450000 | RJ45C5 T1V 4.0N4N TY | D.1 |
| 2438860000 | BLF 2.50/02/180 SN BK BX | Н |
| 2439380000 | WGK 10 GN/YE BX | Q.1 |
| 2439390000 | WGK 10 GY BX | Q.1 |
| 2439400000 | WGK 10/Z GN/YE BX | 0.1 |
| 2439410000 | WGK 10/Z GY BX | Q.1 |
| 2439420000 | WGK 10 VP/Z GY BX | 0.1 |
| 2439430000 | WGK 10 VP GN/YE BX | 0.1 |
| 2439440000 | WGK 10 VP/Z GN/YE BX | 0.1 |
| 2439450000 | WGK 10 VP GY BX | 0.1 |
| 2439460000 | WGK 10/Z BK BX | 0.1 |
| 2439470000 | WGK 10 BK BX | 0.1 |
| 2439520000 | WGKV 10 GY BX | 0.1 |
| 2439530000 | WGKV 10 GN/YE BX | 0.1 |
| 2439540000 | WGKV 10/Z GN/YE BX | 0.1 |
| 2439550000 | WGKV 10/Z GY BX | 0.1 |
| 2439570000 | WGKV 10 BK BX | 0.1 |
| 2439580000 | WGKV 10/Z BK BX | Q.1 |
| 2439600000 | WGK 16 GN/YE BX | 0.1 |
| 2439650000 | BLF 2.50/03/180 SN BK BX | Н |
| 2439660000 | SL 2.50/02/90G 3.2SN BK BX | Н |
| 2439670000 | BLF 2.50/04/180 SN BK BX | Н |
| 2439680000 | BLF 2.50/05/180 SN BK BX | Н |
| 2439690000 | BLF 2.50/06/180 SN BK BX | Н |
| 2439700000 | BLF 2.50/07/180 SN BK BX | Н |
| 2439710000 | BLF 2.50/08/180 SN BK BX | Н |
| 2439720000 | BLF 2.50/09/180 SN BK BX | Н |
| 2439730000 | BLF 2.50/10/180 SN BK BX | Н |
| 2439740000 | BLF 2.50/11/180 SN BK BX | Н |
| 2439750000 | BLF 2.50/12/180 SN BK BX | Н |
| 2439760000 | SL 2.50/03/90G 3.2SN BK BX | Н |
| 2439770000 | SL 2.50/04/90G 3.2SN BK BX | Н |
| 2439780000 | SL 2.50/05/90G 3.2SN BK BX | Н |
| 2439790000 | SL 2.50/06/90G 3.2SN BK BX | Н |
| 2439800000 | SL 2.50/07/90G 3.2SN BK BX | Н |
| 2439810000 | SL 2.50/08/90G 3.2SN BK BX | H. |
| | | |

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| 2439820000 | SL 2.50/09/90G 3.2SN BK BX | H. |
| 2439830000 | SL 2.50/10/90G 3.2SN BK BX | H. |
| 2439840000 | SL 2.50/11/90G 3.2SN BK BX | Н |
| 2439850000 | SL 2.50/12/90G 3.2SN BK BX | Н |
| 2439910000 | SL 2.50/02/180G 3.2SN BK BX | Н |
| 2439920000 | SL 2.50/03/180G 3.2SN BK BX | Н |
| 2439930000 | SL 2.50/04/180G 3.2SN BK BX | Н |
| 2439940000 | SL 2.50/05/180G 3.2SN BK BX | Н |
| 2439950000 | SL 2.50/06/180G 3.2SN BK BX | Н |
| 2439960000 | SL 2.50/07/180G 3.2SN BK BX | Н |
| 2439970000 | SL 2.50/08/180G 3.2SN BK BX | Н |
| 2439980000 | SL 2.50/09/180G 3.2SN BK BX | Н |
| 2439990000 | SL 2.50/10/180G 3.2SN BK BX | Н |

S.45

| 2440 | 000000 | |
|--------------------------|--------------------------------------------------------------|--------------|
| 2440000000 | SL 2.50/11/180G 3.2SN BK BX | H.7 |
| 2440010000 | SL 2.50/12/180G 3.2SN BK BX WGK 16 GY BX | H.7 |
| 2440550000 | WGK 16/Z GN/YE BX | 0.18 0.18 |
| 2440580000 | WGK 16/Z GY BX | 0.18 |
| 2440590000 | WGK 16 BK BX | 0.18 |
| 2440600000 | WGK 16/Z BK BX | 0.18 |
| 2440610000 | WGK 16 VP GN/YE BX | 0.19 |
| 2440620000 2440630000 | WGK 16 VP GY BX WGK 16 VP/Z GN/YE BX | 0.19 0.19 |
| 2440630000 | WGK 16 VP/Z GY BX | 0.19 |
| 2440660000 | WGK 16 VP BK BX | 0.19 |
| 2440710000 | WGK 16 VP/Z BK BX | 0.19 |
| 2440720000 | WGKV 16/Z GN/YE BX | 0.19 |
| 2440730000 2440740000 | WGKV 16/Z GY BX | 0.19 |
| 2440740000 | WGKV 16 GN/YE BX WGKV 16 GY BX | 0.19 0.19 |
| 2440790000 | WGKV 16 BK BX | 0.19 |
| 2440800000 | WGKV 16/Z BK BX | 0.19 |
| 2442030000 | BCZ 3.81/05/180LRZE SN OR BX | J.51 |
| 2442040000 | BCF 3.81/02/180LR SN OR BX | J.55 |
| 2442050000 | SCZ 3.81/02/180LR SN OR BX | J.45 |
| 2442210000 | BCZ 3.81/07/180LRZE SN OR BX | J.51 |
| 2442240000 | BCZ 3.81/11/180LRZE SN OR BX BCZ 3.81/10/180LRZE SN OR BX | J.51 J.51 |
| 2442260000 | BCZ 3.81/06/180LRZE SN OR BX | J.51 |
| 2442270000 | BCZ 3.81/12/180LRZE SN OR BX | J.51 |
| 2442290000 | BCZ 3.81/08/180LRZE SN OR BX | J.51 |
| 2442300000 | BCZ 3.81/09/180LRZE SN OR BX | J.51 |
| 2442310000 | BCZ 3.81/04/180LR SN OR BX | J.49 |
| 2442320000 | BCZ 3.81/05/180LR SN OR BX BCZ 3.81/06/180LR SN OR BX | J.49 J.49 |
| 2442340000 | BCZ 3.81/07/180LR SN OR BX | J.49 |
| 2442350000 | BCZ 3.81/11/180LR SN OR BX | J.49 |
| 2442360000 | BCZ 3.81/02/180LR SN OR BX | J.49 |
| 2442370000 | BCZ 3.81/03/180LR SN OR BX | J.49 |
| 2442380000 | BCZ 3.81/08/180LR SN OR BX | J.49 |
| 2442390000 | BCZ 3.81/09/180LR SN OR BX BCZ 3.81/10/180LR SN OR BX | J.49 J.49 |
| 2442410000 | BCZ 3.81/12/180LR SN OR BX | J.49 |
| 2442610000 | BCF 3.81/03/180LR SN OR BX | J.55 |
| 2442620000 | BCF 3.81/04/180LR SN OR BX | J.55 |
| 2442630000 | BCF 3.81/05/180LR SN OR BX | J.55 |
| 2442640000 | BCF 3.81/06/180LR SN OR BX | J.55 |
| 2442650000 | BCF 3.81/07/180LR SN OR BX | J.55 |
| 2442660000 2442670000 | BCF 3.81/08/180LR SN OR BX BCF 3.81/09/180LR SN OR BX | J.55 J.55 |
| 2442680000 | BCF 3.81/10/180LR SN OR BX | J.55 |
| 2442690000 | BCF 3.81/11/180LR SN OR BX | J.55 |
| 2442700000 | BCF 3.81/12/180LR SN OR BX | J.55 |
| 2442910000 | BCF 3.81/10/180LRZE SN OR BX | J.57 |
| 2442920000 | BCF 3.81/11/180LRZE SN OR BX | J.57 |
| 2442960000 2443010000 | BCF 3.81/05/180LRZE SN OR BX BCF 3.81/06/180LRZE SN OR BX | J.57 J.57 |
| 2443020000 | BCF 3.81/08/180LRZE SN OR BX | J.57 |
| 2443030000 | BCF 3.81/09/180LRZE SN OR BX | J.57 |
| 2443050000 | BCF 3.81/12/180LRZE SN OR BX | J.57 |
| 2443060000 | BCF 3.81/07/180LRZE SN OR BX | J.57 |
| 2444060000 | SCZ 3.81/03/180LR SN OR BX SCZ 3.81/04/180LR SN OR BX | J.45 |
| 2444090000 | SCZ 3.81/05/180LR SN OR BX | J.45 J.45 |
| 2444110000 | SCZ 3.81/06/180LR SN OR BX | J.45 |
| 2444120000 | SCZ 3.81/07/180LR SN OR BX | J.45 |
| 2444130000 | SCZ 3.81/08/180LR SN OR BX | J.45 |
| | SCZ 3.81/09/180LR SN OR BX | J.45 |
| | SCZ 3.81/10/180LR SN OR BX | J.45 |
| 2444160000 2444170000 | SCZ 3.81/11/180LR SN OR BX SCZ 3.81/12/180LR SN OR BX | J.45 J.45 |
| | SCZ 3.81/07/180LRZE SN OR BX | J.47 |
| 2444220000 | SCZ 3.81/05/180LRZE SN OR BX | J.47 |
| 2444230000 | | J.47 |
| | SCZ 3.81/04/180LRZE SN OR BX | J.47 |
| 2444250000 | SCZ 3.81/11/180LRZE SN OR BX | J.47 |
| 2444260000 | SCZ 3.81/08/180LRZE SN OR BX SCZ 3.81/06/180LRZE SN OR BX | J.47 J.47 |
| 2444280000 | | J.47 |
| | SCZ 3.81/10/180LRZE SN OR BX | J.47 |
| | WGK 25/Z GY BX | 0.20 |
| 2444640000 | | 0.20 |
| | WGK 25 GN/YE BX | 0.20 |
| | WGK 25 GY BX WGK 25 BK BX | 0.20 0.20 |
| | WGK 25/Z BK BX | 0.20 |
| | | |

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| 2444700000 | WGK 25 VP GN/YE BX | 0.21 |
| 2444710000 | WGK 25 VP GY BX | 0.21 |
| 2444720000 | WGK 25 VP/Z GN/YE BX | 0.21 |
| 2444730000 | WGK 25 VP/Z GY BX | 0.21 |
| 2444790000 | WGK 25 VP/Z BK BX | 0.21 |
| 2444800000 | WGK 25 VP BK BX | 0.21 |
| 2444810000 | WGKV 25/Z GN/YE BX | 0.21 |
| 2444820000 | WGKV 25 GY BX | 0.21 |
| 2444830000 | WGKV 25 GN/YE BX | 0.21 |
| 2444840000 | WGKV 25 BK BX | 0.21 |
| 2444860000 | WGKV 25/Z GY BX | 0.21 |
| 2444870000 | WGKV 25/Z BK BX | 0.21 |

2450000000

| 453690000 | LUF 10.00/02/90V 5.0SN BK BX | N.33 |
|------------------------|----------------------------------------------------------|------|
| 453700000 | LUF 10.00/03/90V 5.0SN BK BX | N.33 |
| 453710000 | LUF 10.00/04/90V 5.0SN BK BX | N.33 |
| 453720000 | LUF 10.00/05/90V 5.0SN BK BX | N.33 |
| 453730000 | LUF 10.00/06/90V 5.0SN BK BX | N.33 |
| 453740000 | LUF 10.00/07/90V 5.0SN BK BX | N.33 |
| 453750000 | LUF 10.00/08/90V 5.0SN BK BX | N.33 |
| 453760000 | LUF 10.00/09/90V 5.0SN BK BX | N.33 |
| 453770000 | LUF 10.00/10/90V 5.0SN BK BX | N.33 |
| 453780000 | LUF 10.00/11/90V 5.0SN BK BX | N.33 |
| 453790000 | LUF 10.00/12/90V 5.0SN BK BX | N.33 |
| 454110000 | SV-SMT 7.62IT/04/90MF4 2.6SN BK BX | 0.69 |
| 458950000 | BLF 3.50/02/180 SN OR BX | 1.52 |
| 459060000 | BLF 3.50/03/180 SN OR BX | 1.52 |
| 459070000 | BLF 3.50/04/180 SN OR BX | 1.52 |
| 459080000 | BLF 3.50/05/180 SN OR BX | 1.52 |
| 459090000 | BLF 3.50/06/180 SN OR BX | 1.52 |
| 459100000 | BLF 3.50/07/180 SN OR BX | 1.52 |
| 459110000 | BLF 3.50/08/180 SN OR BX | 1.52 |
| 459120000 | BLF 3.50/09/180 SN OR BX | 1.52 |
| 459130000 | BLF 3.50/10/180 SN OR BX | 1.52 |
| 459140000 | BLF 3.50/11/180 SN OR BX | 1.52 |
| 459150000 | BLF 3.50/12/180 SN OR BX | 1.52 |
| 459190000 | BLF 3.50/16/180 SN OR BX | 1.52 |
| 459200000 | BLF 3.50/17/180 SN OR BX | 1.52 |
| 459210000 | BLF 3.50/18/180 SN OR BX | 1.52 |
| 459220000 | BLF 3.50/19/180 SN OR BX | 1.52 |
| 459230000 | BLF 3.50/20/180 SN OR BX | 1.52 |
| 459240000 | BLF 3.50/21/180 SN OR BX | 1.52 |
| 459250000 | BLF 3.50/22/180 SN OR BX | 1.52 |
| 459260000 | BLF 3.50/23/180 SN OR BX | 1.52 |
| 459270000 | BLF 3.50/24/180 SN OR BX | 1.52 |
| 459390000 | BLF 3.50/02/180F SN OR BX | 1.53 |
| 459400000 | BLF 3.50/03/180F SN OR BX | 1.53 |
| 459410000 | BLF 3.50/04/180F SN OR BX | 1.53 |
| 459420000 | BLF 3.50/05/180F SN OR BX | 1.53 |
| 459430000 | BLF 3.50/06/180F SN OR BX | 1.53 |
| 459440000 | BLF 3.50/07/180F SN OR BX | 1.53 |
| 459450000 | BLF 3.50/08/180F SN OR BX | 1.53 |
| 459460000 | BLF 3.50/09/180F SN OR BX | 1.53 |
| 459470000 | BLF 3.50/10/180F SN OR BX | 1.53 |
| 459480000 | BLF 3.50/11/180F SN OR BX | 1.53 |
| 459490000 | BLF 3.50/12/180F SN OR BX | 1.53 |
| 459680000 | BLF 3.50/02/180LR SN OR BX | 1.53 |
| 459690000 | BLF 3.50/03/180LR SN OR BX | 1.53 |
| 459700000 | BLF 3.50/04/180LR SN OR BX | 1.53 |
| 459710000 | BLF 3.50/05/180LR SN OR BX | 1.53 |
| 459720000 459730000 | BLF 3.50/06/180LR SN OR BX | 1.53 |
| | BLF 3.50/07/180LR SN OR BX | 1.53 |
| 459740000 459750000 | BLF 3.50/08/180LR SN OR BX BLF 3.50/09/180LR SN OR BX | 1.53 |
| 459760000 | BLF 3.50/10/180LR SN OR BX | 1.53 |
| 459770000 | BLF 3.50/11/180LR SN OR BX | 1.53 |
| 459780000 | BLF 3.50/12/180LR SN OR BX | 1.53 |
| .700/00000 | DEL 0.00/ 12/ 100EH ON OH DA | 1.00 |

2460000000

| 2460150000 | BLF 3.50/02/180UV SN UR BX | 1.53 |
|------------|----------------------------|-------|
| 2460240000 | BLF 3.50/04/180QV SN OR BX | 1.53 |
| 2460450000 | ZQV 4N/2 RD | S.44 |
| 2460450000 | ZQV 4N/2 RD | \$.45 |
| 2461060000 | RJ45M R1D 3.3N4Y/G TY | D.32 |
| 2461070000 | RJ45M R1V 3.3N4Y/G TY | D.29 |
| 2467670000 | SC-SMT 3.81 KO WT BX | M.10 |

2470000000

| 2471390000 | BL-I/O 3.50/10F CJC AU BK BX | 1.60 |
|------------|------------------------------|------|
| 2471520000 | LLF 7.50/01/90 5.0SN BK BX | N.26 |
| 2471530000 | LLF 7.50/02/90V 5.0SN BK BX | N.27 |
| 2472090000 | LLF 7.50/03/90V 5.0SN BK BX | N.27 |
| 2472100000 | LLF 7.50/04/90V 5.0SN BK BX | N.27 |
| 2472110000 | LLF 7.50/05/90V 5.0SN BK BX | N.27 |
| 2472120000 | LLF 7.50/06/90V 5.0SN BK BX | N.27 |
| 2472130000 | LLF 7.50/07/90V 5.0SN BK BX | N.27 |
| 2472140000 | LLF 7.50/08/90V 5.0SN BK BX | N.27 |
| 2472150000 | LLF 7.50/09/90V 5.0SN BK BX | N.27 |
| 2472160000 | LLF 7.50/10/90V 5.0SN BK BX | N.27 |
| 2472170000 | LLF 7.50/11/90V 5.0SN BK BX | N.27 |
| 2472180000 | LLF 7.50/12/90V 5.0SN BK BX | N.27 |
| 2473000000 | LLFS 7.50/02/90V 5.0SN BK BX | N.29 |
| 2473010000 | LLFS 7.50/03/90V 5.0SN BK BX | N.29 |
| 2473020000 | LLFS 7.50/04/90V 5.0SN BK BX | N.29 |
| 2473030000 | LLFS 7.50/05/90V 5.0SN BK BX | N.29 |

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H.6

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| 2473040000 2473050000 | | N.29 N.29 | 2499560000 2499570000 | SV-SMT 7.62HP/05/90G 2.6SN BK BX SV-SMT 7.62HP/03/90F 2.6SN BK BX | 0.140 | 2529520000 2529530000 | SV-SMT 7.62HP/05/270MF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/270MF4 SC/8 2.6SN BX | | 2549450000 BVFL 7.62HP/05/180 BCF/04R SN BK BX 2549460000 BVFL 7.62HP/03/180MF3 BCF/04R SN BK BX | 0.44 |
| 2473060000 | | N.29 | 2499580000 | SV-SMT 7.62HP/04/90F 2.6SN BK BX | 0.141 | 2529540000 | SV-SMT 7.62HP/02/270MSF2 SC/4 2.6SN B | | 2549470000 BVFL 7.62HP/03/180MF3 BCF/06R SN BK BX | 0.51 |
| 2473070000 | | N.29 | 2499590000 | SV-SMT 7.62HP/05/90F 2.6SN BK BX | 0.141 | | SV-SMT 7.62HP/02/270MSF2 SC/6 2.6SN B | | 2549480000 BVFL 7.62HP/03/180MF3 BCF/08R SN BK BX | 0.51 |
| 2473080000 2473090000 | | N.29 N.29 | 2499600000 2499610000 | SV-SMT 7.62HP/02/90SF 2.6SN BK BX SV-SMT 7.62HP/03/90SF 2.6SN BK BX | 0.141 | 2529560000 2529570000 | SV-SMT 7.62HP/02/270MSF2 SC/8 2.6SN B SV-SMT 7.62HP/03/270MSF2 SC/4 2.6SN B | | 2549490000 BVFL 7.62HP/04/180MF4 BCF/06R SN BK BX 2549500000 BVFL 7.62HP/04/180MF4 BCF/08R SN BK BX | 0.51 |
| 2473100000 | LLFS 7.50/11/90V 5.0SN BK BX | N.29 N.29 | 2499620000 | SV-SMT 7.62HP/04/90SF 2.6SN BK BX | 0.141 | 2529570000 | SV-SMT 7.62HP/03/270MSF2 SC/6 2.6SN B | | 2549510000 BVFL 7.62HP/05/180MF4 BCF/08R SN BK BX | 0.51 |
| 2473420000 | | N.28 | 2499630000 | SV-SMT 7.62HP/05/90SF 2.6SN BK BX | 0.141 | 2529590000 | SV-SMT 7.62HP/03/270MSF2 SC/8 2.6SN B | | 2549520000 BVFL 7.62HP/05/180MF4 BCF/06R SN BK BX | 0.51 |
| 2474160000 | RJ45M T1D 3.2E4N TY | D.38 | 2499640000 | | 0.143 | 2529600000 | SV-SMT 7.62HP/03/270MSF3 SC/4 2.6SN B | | 2549530000 BVFL 7.62HP/05/180MF4 BCF/08R SN BK BX | 0.51 |
| 0400 | 200000 | | 2499650000 2499660000 | SV-SMT 7.62HP/03/90LF 2.6SN BK BX SV-SMT 7.62HP/04/90LF 2.6SN BK BX | 0.143 | 2529610000 2529620000 | SV-SMT 7.62HP/03/270MSF3 SC/6 2.6SN B SV-SMT 7.62HP/03/270MSF3 SC/8 2.6SN B | | 2549540000 BVFL 7.62HP/03/180MSF3 BCF/04R SN BK BX 2549550000 BVFL 7.62HP/03/180MSF3 BCF/06R SN BK BX | |
| 248 L | 0000000 | | 2499670000 | SV-SMT 7.62HP/05/90LF 2.6SN BK BX | 0.143 | 2529630000 | SV-SMT 7.62HP/04/270MSF4 SC/4 2.6SN B | | 2549560000 BVFL 7.62HP/03/180MSF3 BCF/08R SN BK BX | |
| 2484680000 | VWGK 6 GN/YE BX | 0.14 | 2499680000 | SV-SMT 7.62HP/02/90LSF 2.6SN BK BX | 0.143 | 2529640000 | SV-SMT 7.62HP/04/270MSF4 SC/6 2.6SN B | | 2549570000 BVFL 7.62HP/04/180MSF4 BCF/06R SN BK BX | |
| | VWGK 6 GY BX | 0.14 | 2499690000 | SV-SMT 7.62HP/03/90LSF 2.6SN BK BX | 0.143 | 2529650000 | SV-SMT 7.62HP/04/270MSF4 SC/8 2.6SN B | | 2549580000 BVFL 7.62HP/04/180MSF4 BCF/08R SN BK BX | |
| 2484810000 | | 0.14 D.35 | 2499700000 2499710000 | SV-SMT 7.62HP/04/90LSF 2.6SN BK BX SV-SMT 7.62HP/05/90LSF 2.6SN BK BX | 0.143 | 2529660000 2529670000 | SV-SMT 7.62HP/05/270MSF3 SC/4 2.6SN B SV-SMT 7.62HP/05/270MSF3 SC/6 2.6SN B | | 2549590000 BVFL 7.62HP/05/180MSF4 BCF/04R SN BK BX 2549600000 BVFL 7.62HP/05/180MSF4 BCF/06R SN BK BX | |
| 24000/0000 | RJ45G1 R12D 3.2N4YG/YG RL | U.33 | 2499720000 | SV-SMT 7.62IT/03/90MF2 2.6SN BK BX | 0.143 | 2529680000 | SV-SMT 7.62HP/05/270MSF3 SC/8 2.6SN B | | 2549600000 BVFL 7.62HP/05/180MSF4 BCF/06R SN BK BX 2549610000 BVFL 7.62HP/05/180MSF4 BCF/08R SN BK BX | |
| 2490 | 000000 | | 2499730000 2499740000 | SV-SMT 7.62IT/03/90MF3 2.6SN BK BX SV-SMT 7.62IT/04/90MF2 2.6SN BK BX | 0.69 0.68 | 2529690000 2529700000 | SV-SMT 7.62HP/05/270MSF4 SC/4 2.6SN B SV-SMT 7.62HP/05/270MSF4 SC/6 2.6SN B | | 2549680000 AP 45/RE GN 2549690000 AP 45/LI GN | S.50 S.50 |
| 2491110000 | LLFS 7.50/01/180 5.0SN BK BX | N.30 | 2499750000 | SV-SMT 7.62IT/04/90MF3 2.6SN BK BX | 0.69 | 2529710000 | SV-SMT 7.62HP/05/270MSF4 SC/8 2.6SN B | | | |
| 2491620000 | LLFS 7.50/02/180V 5.0SN BK BX | N.31 | 2499760000 | SV-SMT 7.62IT/05/90MF2 2.6SN BK BX | 0.68 | 2529720000 | SV-SMT 7.62HP/02/90MF2 SC/6 2.6SN BX | 0.12 | 2550000000 | |
| 2491630000 2491640000 | | N.31 N.31 | 2499770000 2499780000 | SV-SMT 7.62IT/05/90MF3 2.6SN BK BX SV-SMT 7.62IT/05/90MF4 2.6SN BK BX | 0.69 | 2529730000 2529740000 | SV-SMT 7.62HP/02/90MF2 SC/8 2.6SN BX SV-SMT 7.62HP/03/90MF2 SC/4 2.6SN BX | 0.12 | 2551900000 RJ45M R12D 3.2N4G/Y RL | D.36 |
| 2491650000 | | N.31 | 2499910000 | SV-SMT 7.62HP/03/270F 2.6SN BK BX | 0.145 | 2529750000 | SV-SMT 7.62HP/03/90MF2 SC/6 2.6SN BX | 0.12 | 2554620000 CH20M12 B AGY/BK 3747 | S.22 |
| 2491660000 | | N.31 | 2499920000 | SV-SMT 7.62HP/04/270F 2.6SN BK BX | 0.145 | 2529760000 | SV-SMT 7.62HP/03/90MF2 SC/8 2.6SN BX | 0.12 | 2554640000 CH20M17 B AGY/BK 3747 | S.24 |
| 2491670000 | | N.31 | 2499930000 | SV-SMT 7.62HP/05/270F 2.6SN BK BX | 0.145 | 2529770000 | SV-SMT 7.62HP/03/90MF3 SC/4 2.6SN BX | 0.13 | 2554690000 CH20M12 S PPP AGY 3747 | S.23 |
| 2491680000 | LLFS 7.50/08/180V 5.0SN BK BX LLFS 7.50/09/180V 5.0SN BK BX | N.31 | 2499940000 | SV-SMT 7.62HP/02/270SF 2.6SN BK BX | 0.145 | 2529780000 | SV-SMT 7.62HP/03/90MF3 SC/6 2.6SN BX | 0.13 | 2554700000 CH20M17 S PPP AGY 3747 | S.25 |
| 2491690000 2491700000 | | N.31 N.31 | 2499950000 2499960000 | SV-SMT 7.62HP/03/270SF 2.6SN BK BX SV-SMT 7.62HP/04/270SF 2.6SN BK BX | 0.145 0.145 | 2529790000 2529800000 | SV-SMT 7.62HP/03/90MF3 SC/8 2.6SN BX SV-SMT 7.62HP/04/90MF4 SC/4 2.6SN BX | 0.13 | 2554710000 CH20M22 S PPSC AGY 3747 2554730000 CH20M22 F AGY 3747 | S.27 S.26 |
| 2491710000 | LLFS 7.50/10/180V 5.0SN BK BX | N.31 | | SV-SMT 7.62HP/05/270SF 2.6SN BK BX | 0.145 | 2529810000 | SV-SMT 7.62HP/04/90MF4 SC/6 2.6SN BX | 0.13 | 2554750000 CH20MI2 F AGY 3747 2554750000 CH20M17 F AGY 3747 | S.24 |
| 2491720000 | LLFS 7.50/12/180V 5.0SN BK BX | N.31 | | | | 2529820000 | SV-SMT 7.62HP/04/90MF4 SC/8 2.6SN BX | 0.13 | 2554760000 CH20M12 F AGY 3747 | S.22 |
| 2491800000 | | N.38 | 2500 | 000000 | | 2529830000 | SV-SMT 7.62HP/05/90MF3 SC/4 2.6SN BX | 0.13 | 2554840000 CH20M22 S PPP AGY 3747 | S.27 |
| 2491810000 | LUFS 10.00/01/180 5.0SN BK BX | N.36 | | | NOF | 2529840000 | SV-SMT 7.62HP/05/90MF3 SC/6 2.6SN BX | 0.13 | 2554850000 CH20M22 S PSCSC AGY 3747 | S.27 |
| 2491820000 2491900000 | | N.41 N.38 | | LUFS 10.00/03/90V 5.0SN BK BX LUFS 10.00/04/90V 5.0SN BK BX | N.35 N.35 | 2529850000 2529860000 | SV-SMT 7.62HP/05/90MF3 SC/8 2.6SN BX SV-SMT 7.62HP/05/90MF4 SC/4 2.6SN BX | 0.13 | 2554860000 CH20M12 S PPSC AGY 3747 2555100000 CH20M22 B BK/RD 2010 | S.23 S.26 |
| 2491910000 | LUF 15.00/04/90 5.0SN BK BX | N.38 | | LUFS 10.00/05/90V 5.0SN BK BX | N.35 | 2529870000 | SV-SMT 7.62HP/05/90MF4 SC/6 2.6SN BX | 0.13 | 2555110000 CH20M45 B BK/RD 2010 | S.28 |
| 2491920000 | | N.38 | 2500490000 | LUFS 10.00/06/90V 5.0SN BK BX | N.35 | 2529880000 | SV-SMT 7.62HP/05/90MF4 SC/8 2.6SN BX | 0.13 | | |
| 2491930000 | | N.38 | | LUFS 10.00/07/90V 5.0SN BK BX | N.35 | 2529890000 | SV-SMT 7.62HP/02/90MSF2 SC/4 2.6SN BX | | 2560000000 | |
| 2491940000 | | N.38 | 2500510000 | LUFS 10.00/08/90V 5.0SN BK BX | N.35 | 2529900000 | SV-SMT 7.62HP/02/90MSF2 SC/6 2.6SN BX | | | |
| 2491950000 2492000000 | | N.38 N.39 | 2500520000 | LUFS 10.00/09/90V 5.0SN BK BX LUFS 10.00/10/90V 5.0SN BK BX | N.35 N.35 | 2529910000 2529920000 | SV-SMT 7.62HP/02/90MSF2 SC/8 2.6SN BX SV-SMT 7.62HP/03/90MSF2 SC/4 2.6SN BX | | 2562150000 RJ45M R1V 1.9N4YG/YG RL 2562160000 RJ45G R1V 1.9N4YG/YG RL | D.29 D.28 |
| 2492010000 | | N.39 | | LUFS 10.00/11/90V 5.0SN BK BX | N.35 | 2529930000 | SV-SMT 7.62HP/03/90MSF2 SC/6 2.6SN BX | | 2562820000 RJ45C5 T1D 3.2E4G/Y TY | D.21 |
| 2492020000 | | N.39 | 2500550000 | LUFS 10.00/12/90V 5.0SN BK BX | N.35 | 2529940000 | SV-SMT 7.62HP/03/90MSF2 SC/8 2.6SN BX | | 2562870000 RJ45C5 R1D 3.2E4G/Y RL | D.14 |
| 2492030000 | | N.39 | | LUFS 10.00/01/90 5.0SN BK BX | N.34 | 2529950000 | SV-SMT 7.62HP/03/90MSF3 SC/4 2.6SN BX | | 2562880000 RJ45C5 T1U 2.8E4G/Y TY | D.23 |
| 2492040000 | | N.39 | 2500570000 | LUFS 15.00/03/90V 5.0SN BK BX | N.40 | 2529960000 | SV-SMT 7.62HP/03/90MSF3 SC/6 2.6SN BX | | 2562890000 RJ45C5E S1U DE4G/Y RL | D.11 |
| 2492050000 2492060000 | | N.39 N.39 | 2500580000 2500590000 | LUFS 15.00/04/90V 5.0SN BK BX LUFS 15.00/05/90V 5.0SN BK BX | N.40 N.40 | 2529970000 2529980000 | SV-SMT 7.62HP/03/90MSF3 SC/8 2.6SN BX SV-SMT 7.62HP/04/90MSF4 SC/4 2.6SN BX | | 2562900000 RJ45C5 T1D 3.3E4N TY 2562910000 RJ45C5 R1D 3.3E4N RL | D.21 D.15 |
| 2492110000 | LUFS 10.00/02/180V 5.0SN BK BX | N.37 | 2500600000 | LUFS 15.00/07/90V 5.0SN BK BX | N.40 | | SV-SMT 7.62HP/04/90MSF4 SC/6 2.6SN BX | | 2562920000 RJ45C5 T1U 2.8E4N TY | D.13 |
| 2492120000 | | N.37 | 2500610000 | LUFS 15.00/08/90V 5.0SN BK BX | N.40 | | | | 2562930000 RJ45C5 R1U 2.8E4N RL | D.16 |
| 2492130000 | | N.37 | 2500660000 | LUFS 15.00/06/90V 5.0SN BK BX | N.40 | 2530 | 000000 | | 2562940000 RJ45C5E S1U DE4N RL | D.11 |
| 2492140000 | | N.37 | 0540 | 00000 | | | SV-SMT 7.62HP/04/90MSF4 SC/8 2.6SN BX | 0.15 | 2562950000 RJ45C5 R1U 2.8N4G/Y RL | D.17 |
| 2492150000 2492160000 | | N.37 N.37 | 2510 | 1000000 | | 2530000000 | SV-SMT 7.62HP/05/90MSF3 SC/4 2.6SN BX | | 2562960000 RJ45C5 T1V 3.2N4G/Y TY 2562970000 RJ45C5 R1V 3.2N4N RL | D.19 D.13 |
| 2492170000 | | | 2514600000 | RJ45C5 S1V 2.7E4N RL | D.7 | 2530020000 | SV-SMT 7.62HP/05/90MSF3 SC/6 2.6SN BX | | 2563550000 USB3.0A T1H 2.3N4 TY BL | E.15 |
| 2492170000 | | N.37 | | | | | | | | |
| 2492180000 | LUFS 10.00/09/180V 5.0SN BK BX | N.37 | 2516380000 | RJ45C5 R1V 3.2N4G/YTY | D.12 | 2530030000 | SV-SMT 7.62HP/05/90MSF3 SC/8 2.6SN BX | | 2563710000 USB2.0A T1H 2.5N4 TY BK | E.14 |
| 2492180000 2492190000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX | N.37 N.37 | | RJ45C5 R1V 3.2N4G/Y TY | D.12 | 2530040000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX | 0.15 | 2563720000 USB2.0A S1H 1.4N4 TY BK | E.9 |
| 2492180000 2492190000 2492200000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX | N.37 N.37 N.37 | | | D.12 | 2530040000 2530050000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX | 0.15 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A R1V 2.5N4 TY BK | E.9 E.10 |
| 2492180000 2492190000 2492200000 2492210000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX | N.37 N.37 | 2520 | RJ45C5 R1V 3.2N4G/Y TY | D.12 0.10 | 2530040000 2530050000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX | 0.15 | 2563720000 USB2.0A S1H 1.4N4 TY BK | E.9 |
| 2492180000 2492190000 2492200000 2492210000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/12/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX | N.37 N.37 N.37 N.37 | 2520 | RJ45C5 R1V 3.2N4G/YTY | | 2530040000 2530050000 2530060000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/8 2.6SN BX | 0.15 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A R1V 2.5N4 TY BK 2563850000 RJ45M T1D 3.3E4G/Y TY | E.9 E.10 D.39 |
| 2492180000 2492190000 2492200000 2492210000 2492220000 2492230000 2492240000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/12/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX | N.37 N.37 N.37 N.37 N.41 N.41 | 2528 950000 2528970000 2529000000 | RJ45C5 RIV 3.2N46/Y TY 00000 SV-SMT 7.62HP/02/906 SC/4 2.6SN BX SV-SMT 7.62HP/02/2706 SC/4 2.6SN BX SV-SMT 7.62HP/02/90MF2 SC/4 2.6SN BX | 0.10 0.16 X 0.12 | 2530040000 2530050000 2530060000 2540 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/8 2.6SN BX | 0.15 0.15 0.15 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A R1V 2.5N4 TY BK 2563850000 R.J45M TID 3.3E4G/Y TY 2564410000 R.J45M R1D 3.2E4G/Y RL 2564440000 R.J45M R1D 3.2E4N RL 2564440000 R.J45M R1D 3.2E4N RL | E.9 E.10 D.39 D.32 D.31 D.30 |
| 2492180000 2492190000 2492200000 2492210000 2492220000 2492230000 2492240000 2492250000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/12/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX | N.37 N.37 N.37 N.37 N.41 N.41 N.41 | 2520 2528950000 2528970000 2529000000 2529010000 | RJ45C5 RIV 3.2N46/Y TY 000000 SV-SMT 7.62HP/02/906 SC/4 2.6SN BX SV-SMT 7.62HP/02/2706 SC/4 2.6SN BX SV-SMT 7.62HP/02/270MF2 SC/4 2.6SN BX SV-SMT 7.62HP/02/270MF2 SC/4 2.6SN | 0.10 0.16 X 0.12 BX 0.18 | 2530040000 2530050000 2530060000 2540 2544500000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX 000000 RJ4561 R120 3.3E4G/YTY | 0.15 0.15 0.15 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A RIV 2.5N4 TY BK 2563850000 RJ45M RID 3.3E4G/Y TY 2564410000 RJ45M RID 3.3E4G/Y RL 2564430000 RJ45M RID 3.2E4N RL | E.9 E.10 D.39 D.32 D.31 |
| 2492180000 2492190000 2492200000 2492210000 2492220000 2492230000 2492240000 2492250000 2492250000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/12/180V 5.0SN BK BX LUFS 15.00/02/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/06/180V 5.0SN BK BX | N.37 N.37 N.37 N.37 N.41 N.41 | 2528 950000 2528970000 2529000000 | RJ45C5 RIV 3.2N46/Y TY 00000 SV-SMT 7.62HP/02/906 SC/4 2.6SN BX SV-SMT 7.62HP/02/2706 SC/4 2.6SN BX SV-SMT 7.62HP/02/90MF2 SC/4 2.6SN BX | 0.10 0.16 X 0.12 | 2530040000 2530050000 2530060000 2544 500000 2544510000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/8 2.6SN BX | 0.15 0.15 0.15 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A RIV 2.5N4 TY BK 2563850000 RJ45M RID 3.3E46/Y TY 2564400000 RJ45M RID 3.2E4N FRL 2564440000 RJ45M RID 3.2E4N RL 2564440000 RJ45M RID 3.2E4N RL 2564450000 RJ45M SID 0. | E.9 E.10 D.39 D.32 D.31 D.30 |
| 2492180000 2492190000 2492200000 2492210000 2492220000 2492230000 2492240000 2492250000 2492260000 2492270000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 15.00/01/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/06/180V 5.0SN BK BX LUFS 15.00/08/180V 5.0SN BK BX LUFS 15.00/08/180V 5.0SN BK BX | N.37 N.37 N.37 N.37 N.41 N.41 N.41 N.41 N.41 N.41 | 2520 2528950000 2528970000 2529000000 2529010000 2529030000 | RJ45C5 R1V 3.2N46/Y TY 000000 SV-SMT 7.62HP/02/906 SC/4 2.6SN BX SV-SMT 7.62HP/02/7006 SC/4 2.6SN BX SV-SMT 7.62HP/02/90MF2 SC/4 2.6SN BS SV-SMT 7.62HP/02/700MF2 SC/4 2.6SN BX SV-SMT 7.62HP/02/700M SC/6 2.6SN BX | 0.10 0.16 X 0.12 BX 0.18 0.10 | 2530040000 2530050000 2530060000 2544500000 2544500000 2544950000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX 000000 RJ4561 R12D 3.3E46/YTY RJ4561 R1D 3.3E46/YTY | D.35 D.31 D.99 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A RIV 2.5N4 TY BK 2563850000 RJ45M TIO 3.546/Y TY 2564410000 RJ45M RID 3.254N RL 2564430000 RJ45G RID 3.254N RL 2564450000 RJ45G RID 3.254N RL 2564450000 RJ45M SID DE4N RL | E.9 E.10 D.39 D.32 D.31 D.30 D.26 |
| 2492180000 2492190000 2492200000 2492210000 2492220000 2492220000 2492240000 2492250000 2492270000 2492270000 2493160000 2493170000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/06/180V 5.0SN BK BX LUFS 15.00/180/180V 5.0SN BK BX BUF 10.1617/02/180V 5.0SN BK BX | N.37 N.37 N.37 N.37 N.41 N.41 N.41 N.41 N.41 N.41 0.98 | 25200 2528950000 2528970000 2529000000 2529030000 2529030000 2529050000 2529060000 | RJ45C5 RIV 3.2N46/Y TY OOOOO SV-SMT 7.62HP/02/90G SC/4 2.6SN BX SV-SMT 7.62HP/02/90G SC/4 2.6SN BX SV-SMT 7.62HP/02/90G SC/6 2.6SN BX SV-SMT 7.62HP/02/90MS SC/6 2.6SN BX SV-SMT 7.62HP/02/90G SC/6 2.6SN BX SV-SMT 7.62HP/02/90G SC/6 2.6SN BX SV-SMT 7.62HP/02/90G SC/6 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX | 0.10 0.16 X 0.12 BX 0.18 0.10 0.10 0.10 | 2530040000 2530050000 2530060000 2530060000 2544500000 2544500000 2544950000 2545800000 2545810000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX 000000 RJ456I R12D 3.3E46/YTY RJ456I R1D 3.3E46/YTY BUF 10.16IT/04/180MF4 AB KB X SV-SMT 7.62HP/02/905 2.6SN BK RL SV-SMT 7.62HP/02/905F 2.6SN BK RL | D.35 D.31 D.99 D.141 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A R1V 2.5N4 TY BK 2563850000 R.445M TIO 3.2464/Y RL 2564410000 R.445M R1D 3.2464/Y RL 2564440000 R.456M R1D 3.244 RL 2564450000 R.456M R1D 3.244 RL 2564450000 R.456M S1D 524N RL 2567000000000000000000000000000000000000 | E.9 E.10 D.39 D.32 D.31 D.30 D.26 |
| 2492180000 2492190000 2492200000 2492210000 2492220000 2492230000 2492240000 2492250000 2492260000 2492270000 2493160000 2493170000 2493180000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX LUFS 15.00/07/180V 5.0SN BK BX LUFS 15.00/07/180V 5.0SN BK BX BUF 10.1617/02/180MF2 AG BK BX BUF 10.1617/02/180 MF2 AG BK BX BUF 10.1617/02/180 MF2 AG BK BX | N.37 N.37 N.37 N.37 N.41 N.41 N.41 N.41 N.41 N.41 0.98 0.228 | 25200 2528950000 2528970000 2529000000 2529030000 2529030000 2529050000 2529050000 2529070000 | RJ45C5 RIV 3.2N46/Y TY OOOOO SV-SMT 7.62HP/02/90G SC/4 2.6SN BX SV-SMT 7.62HP/02/270G SC/4 2.6SN BX SV-SMT 7.62HP/02/270MF2 SC/4 2.6SN BX SV-SMT 7.62HP/02/270MF2 SC/4 2.6SN BX SV-SMT 7.62HP/02/90G SC/4 2.6SN BX SV-SMT 7.62HP/02/90G SC/4 2.6SN BX SV-SMT 7.62HP/03/90G SC/4 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX | 0.10 0.16 X 0.12 BX 0.18 0.10 0.10 0.10 0.10 | 2530040000 2530050000 2530060000 2530060000 2544500000 2544510000 2544950000 2545800000 2545810000 2545950000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/8 2.6SN BX 000000 RJ4561 R12D 3.3E46/Y TY RJ4561 R1D 3.3E46/Y TY BUF 10.16IT/04/180MF4 AG BK BX SV-SMT 7.62HP/02/90G 2.6SN BK RL SV-SMT 7.62HP/02/90G 5.6SN BK RL SV-SMT 7.62HP/03/90SF 2.6SN BK RL | 0.15 0.15 0.15 0.15 0.35 0.31 0.99 0.141 0.142 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A R1V 2.5N4 TY BK 2563850000 RJ45M R1D 3.3E46/Y TY 2564450000 RJ45M R1D 3.2E4N RL 2564440000 RJ45M R1D 3.2E4N RL 2564450000 RJ45M S1D 5.2E4N RL 2564450000 RJ45M S1D DE4N RL 257960000 CH20M45 FBL 2013 2579670000 CH20M45 FBL 2013 | E.9 E.10 D.39 D.32 D.31 D.30 D.26 |
| 2492180000 2492190000 2492200000 2492220000 2492220000 2492230000 2492240000 2492250000 2492260000 2492160000 2493160000 2493180000 2493180000 2493190000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/04/180V 5.0SN BK BX LUFS 15.00/06/180V 5.0SN BK BX LUFS 15.00/08/180V 5.0SN BK BX BUF 10.161T/02/180V 5.0SN BK BX | N.37 N.37 N.37 N.37 N.41 N.41 N.41 N.41 N.41 N.41 0.98 | 25200 2528950000 2528970000 2529000000 2529030000 2529030000 2529050000 2529060000 | RJ45C5 RIV 3.2N46/Y TY OOOOO SV-SMT 7.62HP/02/90G SC/4 2.6SN BX SV-SMT 7.62HP/02/90G SC/4 2.6SN BX SV-SMT 7.62HP/02/90G SC/6 2.6SN BX SV-SMT 7.62HP/02/90MS SC/6 2.6SN BX SV-SMT 7.62HP/02/90G SC/6 2.6SN BX SV-SMT 7.62HP/02/90G SC/6 2.6SN BX SV-SMT 7.62HP/02/90G SC/6 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX SV-SMT 7.62HP/03/90G SC/6 2.6SN BX | 0.10 0.16 X 0.12 BX 0.18 0.10 0.10 0.10 | 2530040000 2530050000 2530060000 2530060000 2544500000 2544510000 2544950000 2545800000 2545810000 2545950000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX 000000 RJ456I R12D 3.3E46/YTY RJ456I R1D 3.3E46/YTY BUF 10.16IT/04/180MF4 AB KB X SV-SMT 7.62HP/02/905 2.6SN BK RL SV-SMT 7.62HP/02/905F 2.6SN BK RL | D.35 D.31 D.99 D.141 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A R1V 2.5N4 TY BK 2563850000 R.445M TIO 3.2464/Y RL 2564410000 R.445M R1D 3.2464/Y RL 2564440000 R.456M R1D 3.244 RL 2564450000 R.456M R1D 3.244 RL 2564450000 R.456M S1D 524N RL 2567000000000000000000000000000000000000 | E.9 E.10 D.39 D.32 D.31 D.30 D.26 |
| 2492180000 2492190000 2492200000 2492220000 2492220000 2492220000 2492260000 2492260000 2492260000 2492270000 2493180000 2493180000 2493190000 2493190000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX LUFS 15.00/06/180V 5.0SN BK BX LUFS 15.00/06/180V 5.0SN BK BX LUFS 15.00/06/180V 5.0SN BK BX BUF 10.1617/02/180WF2 A6 BK BX BUF 10.1617/02/180MF2 A6 BK BX BUF 10.1617/02/180 A6 BK BX BUF 10.1617/02/180 A6 BK BX BUF 10.1617/03/180MF2 A6 BK BX | N.37 N.37 N.37 N.37 N.41 N.41 N.41 N.41 N.41 O.98 O.228 O.99 | 2520 2528950000 2528970000 2529000000 2529030000 2529040000 2529050000 2529050000 2529050000 2529050000 | RJ45C5 RIV 3.2N46/Y TY SV-SMT 7.62HP/02/906 SC/4 2.6SN BX SV-SMT 7.62HP/02/706 SC/4 2.6SN BX SV-SMT 7.62HP/02/70MF2 SC/4 2.6SN BX SV-SMT 7.62HP/02/70MF2 SC/4 2.6SN BX SV-SMT 7.62HP/02/906 SC/6 2.6SN BX SV-SMT 7.62HP/02/906 SC/6 2.6SN BX SV-SMT 7.62HP/03/906 SC/6 2.6SN BX | 0.10 0.16 X 0.12 BX 0.18 0.10 0.10 0.10 0.10 | 2530040000 2530050000 2530060000 2530060000 2544500000 2544950000 2544950000 2545950000 2545960000 2545970000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX 000000 RJ4561 R12D 3.3E4G/YTY RJ4561 R12D 3.3E4G/YTY RJ4561 R10 3.9E4G/YTY RJ4561 R10 3.9E4G/YTY SV-SMT 7.62HP/02/90S 2.6SN BK RL SV-SMT 7.62HP/02/90S 2.6SN BK RL SV-SMT 7.62HP/02/90S 2.6SN BK RL SV-SMT 7.62HP/02/90S 5.2SN BK RL SV-SMT 7.62HP/02/90S 5.2SN BK RL | 0.15 0.15 0.15 0.15 0.35 0.31 0.99 0.141 0.142 0.142 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A RIV 2.5N4 TY BK 2563850000 RJ45M TID 3.5846/Y PK 2564440000 RJ45M RID 3.264N RL 2564440000 RJ45M RID 3.264N RL 2564440000 RJ45M RID 3.264N RL 2564450000 RJ45M SID DE4N RL 2579000000000000000000000000000000000000 | E.9 E.10 D.39 D.32 D.31 D.30 D.26 |
| 2492180000 2492190000 2492200000 2492210000 24922200000 2492230000 2492250000 2492250000 2492250000 2493160000 2493180000 2493190000 2493190000 2493200000 2493200000 | LUFS 10.00/09/180V 5.0SN BK BX LUFS 10.00/10/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 10.00/11/180V 5.0SN BK BX LUFS 15.00/03/180V 5.0SN BK BX LUFS 15.00/05/180V 5.0SN BK BX LUFS 15.00/07/180V 5.0SN BK BX LUFS 15.00/08/180V 5.0SN BK BX BUF 10.161T/02/180MF2 AG BK BX BUF 10.161T/02/180MF2 AG BK BX BUF 10.161T/03/180MF3 AG BK BX | N.37 N.37 N.37 N.37 N.41 N.41 N.41 N.41 N.41 0.98 0.228 0.98 0.99 0.99 | 252950000 2528950000 2528900000 2529000000 2529030000 2529050000 2529050000 2529050000 2529080000 25290900000 2529100000 25291100000 | RJ45C5 RIV 3.2N46/Y TY OOOOO SV-SMT 7.62HP/02/906 SC/4 2.6SN BX SV-SMT 7.62HP/02/2706 SC/4 2.6SN BX SV-SMT 7.62HP/02/270MF2 SC/4 2.6SN BX SV-SMT 7.62HP/02/270MF2 SC/4 2.6SN BX SV-SMT 7.62HP/02/906 SC/6 2.6SN BX SV-SMT 7.62HP/02/906 SC/6 2.6SN BX SV-SMT 7.62HP/03/906 SC/6 2.6SN BX | 0.10 0.18 X 0.12 BX 0.18 0.10 0.10 0.10 0.10 0.10 0.10 | 25400000 2530060000 2530060000 2530060000 2544500000 2544500000 2545800000 2545800000 25458600000 25458600000 25459600000 2546000000 2546000000 | SV-SMT 7.62HP/05/90MSF4 SC/4 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX SV-SMT 7.62HP/05/90MSF4 SC/6 2.6SN BX 000000 RJ4561 R12D 3.3E46/YTY RJ4561 R12D 3.3E46/YTY RJ4561 R12D 3.3E46/YTY RJ4561 R12D 3.4E46/YTY RJ4561 R12D 3.5E46/YTY RJ4561 R12D 3. | 0.15 0.15 0.15 0.15 0.35 0.31 0.99 0.141 0.142 0.142 0.142 0.142 | 2563720000 USB2.0A S1H 1.4N4 TY BK 2563730000 USB2.0A R1V2.5N4 TY BK 2563850000 RJ45M TIO 3.546/Y TY 2564410000 RJ45M TIO 3.546/Y RL 2564430000 RJ45M RID 3.549/Y RL 2564430000 RJ45M RID 3.254N RL 2564450000 RJ45M SID DE4N RL 257960000 CH20M45 FBL 2013 2579670000 CH20M45 FBL 2013 2579670000 CH20M45 B FE BL/OR 2013 2579680000 CH20M45 B FE BL/OR 2013 | E.9 E.10 D.39 D.32 D.31 D.30 D.26 S.28 S.29 S.28 |
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| Order No. | Туре | Page |
|------------|----------------------------------|-------|
| 2592600000 | KO BU/SU10.16HP WT | 0.94 |
| 2592600000 | KO BU/SU10.16HP WT | 0.96 |
| 2592600000 | KO BU/SU10.16HP WT | 0.98 |
| 2592600000 | KO BU/SU10.16HP WT | 0.100 |
| 2592600000 | KO BU/SU10.16HP WT | 0.210 |
| 2592600000 | KO BU/SU10.16HP WT | 0.212 |
| 2592600000 | KO BU/SU10.16HP WT | 0.214 |
| 2592600000 | KO BU/SU10.16HP WT | 0.216 |
| 2592600000 | KO BU/SU10.16HP WT | 0.218 |
| 2592600000 | KO BU/SU10.16HP WT | 0.220 |
| 2592600000 | KO BU/SU10.16HP WT | 0.222 |
| 2592600000 | KO BU/SU10.16HP WT | 0.224 |
| 2592600000 | KO BU/SU10.16HP WT | 0.226 |
| 2592600000 | KO BU/SU10.16HP WT | 0.228 |
| 2592600000 | KO BU/SU10.16HP WT | 0.230 |
| 2594970000 | PB-ENDCAP 160 02RF BK BX | P.4 |
| 2597200000 | SU 10.16HP/05/90MF2 3.5AG BK BX | 0.212 |
| 2597210000 | SU 10.16HP/06/90MF2 3.5AG BK BX | 0.212 |
| 2597220000 | SU 10.16HP/05/90MF3 3.5AG BK BX | 0.213 |
| 2597230000 | SU 10.16HP/06/90MF3 3.5AG BK BX | 0.213 |
| 2597240000 | SU 10.16HP/05/90MF4 3.5AG BK BX | 0.213 |
| 2597250000 | SU 10.16HP/06/90MF4 3.5AG BK BX | 0.213 |
| 2597290000 | SU 10.16HP/05/270MF2 3.5AG BK BX | 0.218 |
| 2597300000 | SU 10.16HP/06/270MF2 3.5AG BK BX | 0.218 |
| 2597310000 | SU 10.16HP/05/270MF3 3.5AG BK BX | 0.219 |
| 2597320000 | SU 10.16HP/06/270MF3 3.5AG BK BX | 0.219 |
| 2597330000 | SU 10.16HP/05/270MF4 3.5AG BK BX | 0.219 |
| 2597340000 | SU 10.16HP/06/270MF4 3.5AG BK BX | 0.219 |
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| 2613340000 | LL 10.00/03/90 3.2SN OR BX | F.40 |
|------------|----------------------------------------|-------|
| 2613390000 | LL 10.00/02/90 3.2SN OR BX | F.40 |
| 2614040000 | BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP90 | 0.42 |
| 2614140000 | SLF 7.62HP/04/180FSH180 SN BK BX | 0.115 |
| 2614190000 | SLF 7.62HP/04/180LRSH180 SN BK BX | 0.117 |

| 2624760000 | CH20M45 S 3P/3P BL 2013 | S.29 |
|------------|----------------------------------------|-------|
| 2626050000 | RJ45C6 T1V 3.0N4N TY | D.18 |
| 2626800000 | SV-SMT 7.62HP/04/90MF2 SC/4 2.6SN BX | 0.12 |
| 2626930000 | SV-SMT 7.62HP/04/90MSF2 SC/4 2.6SN BX | 0.14 |
| 2627330000 | BUZ 10.16IT/03/180MF2SH160 AG BK BX | 0.80 |
| 2627340000 | BUZ 10.16IT/04/180MF2SH160 AG BK BX | 0.80 |
| 2627350000 | BUZ 10.16IT/03/180MF3SH160 AG BK BX | 0.82 |
| 2627360000 | BUZ 10.16IT/04/180MF3SH160 AG BK BX | 0.82 |
| 2627370000 | BUZ 10.16IT/04/180MF4SH160 AG BK BX | 0.84 |
| 2627380000 | BUZ 10.16IT/03/180MF2SH180 AG BK BX | 0.8 |
| 2627390000 | BUZ 10.16IT/04/180MF2SH180 AG BK BX | 0.8 |
| 2627400000 | BUZ 10.16IT/03/180MF3SH180 AG BK BX | 0.83 |
| 2627410000 | BUZ 10.16IT/04/180MF3SH180 AG BK BX | 0.83 |
| 2627420000 | BUZ 10.16IT/04/180MF4SH180 AG BK BX | 0.85 |
| 2627430000 | BUZ 10.16IT/03/180MF2SH200 AG BK BX | 0.8 |
| 2627440000 | BUZ 10.16IT/04/180MF2SH200 AG BK BX | 0.8 |
| 2627450000 | BUZ 10.16IT/03/180MF3SH200 AG BK BX | 0.83 |
| 2627460000 | BUZ 10.16IT/04/180MF3SH200 AG BK BX | 0.83 |
| 2627470000 | BUZ 10.16IT/04/180MF4SH200 AG BK BX | 0.85 |
| 2627480000 | BUZ 10.16IT/03/180MSF2SH160 AG BK BX | 0.86 |
| 2627490000 | BUZ 10.16IT/04/180MSF2SH160 AG BK BX | 0.86 |
| 2627500000 | BUZ 10.16IT/03/180MSF3SH160 AG BK BX | 0.88 |
| 2627510000 | BUZ 10.16IT/04/180MSF3SH160 AG BK BX | 0.88 |
| 2627520000 | BUZ 10.16IT/04/180MSF4SH160 AG BK BX | 0.90 |
| 2627530000 | BUZ 10.16IT/03/180MSF2SH180 AG BK BX | 0.87 |
| 2627540000 | BUZ 10.16IT/04/180MSF2SH180 AG BK BX | 0.87 |
| 2627550000 | BUZ 10.16IT/03/180MSF3SH180 AG BK BX | 0.89 |
| 2627560000 | BUZ 10.16IT/04/180MSF3SH180 AG BK BX | 0.89 |
| 2627570000 | BUZ 10.16IT/04/180MSF4SH180 AG BK BX | 0.9 |
| 2627580000 | BUZ 10.16IT/03/180MSF2SH200 AG BK BX | 0.87 |
| 2627590000 | BUZ 10.16IT/04/180MSF2SH200 AG BK BX | 0.87 |
| 2627600000 | BUZ 10.16IT/03/180MSF3SH200 AG BK BX | 0.89 |
| 2627610000 | BUZ 10.16IT/04/180MSF3SH200 AG BK BX | 0.89 |
| 2627620000 | BUZ 10.16IT/04/180MSF4SH200 AG BK BX | 0.9 |
| 2627720000 | BUF 10.16IT/04/180MF2SH180 AG BK BX | 0.94 |
| 2627720000 | BUF 10.16IT/04/180MF2SH180 AG BK BX | 0.224 |
| 2627750000 | BUF 10.16IT/04/180MF4SH180 AG BK BX | 0.95 |
| 2627750000 | BUF 10.16IT/04/180MF4SH180 AG BK BX | 0.225 |
| 2627860000 | BUF 10.16IT/03/180MSF2SH180 AG BK BX | 0.96 |
| 2627860000 | BUF 10.16IT/03/180MSF2SH180 AG BK BX | 0.226 |
| 2627950000 | BUF 10.16IT/04/180MSF4SH200 AG BK BX | 0.9 |
| 2627950000 | BUF 10.16IT/04/180MSF4SH200 AG BK BX | 0.22 |
| 2628320000 | BVF 7.62HP/04/180MF2 BCF/04R SN BK BX | 0.36 |
| 2628330000 | BVFL 7.62HP/02/180MF2 BCF/06R SN BK BX | 0.50 |
| 2628340000 | BVF 7.62HP/04/180MF2 BCF/06R SN BK BX | 0.36 |
| 2628350000 | BVF 7.62HP/04/180MF2 BCF/08R SN BK BX | 0.36 |
| 2628390000 | BVF 7.62HP/05/180MF2 BCF/04R SN BK BX | 0.36 |
| 2628400000 | BVF 7.62HP/05/180MF2 BCF/06R SN BK BX | 0.36 |
| 2628410000 | BVF 7.62HP/05/180MF2 BCF/08R SN BK BX | 0.36 |
| 2628450000 | BVF 7.62HP/04/180MF3 BCF/04R SN BK BX | 0.37 |
| 2628460000 | BVF 7.62HP/04/180MF3 BCF/06R SN BK BX | 0.37 |
| 2628470000 | BVF 7.62HP/04/180MF3 BCF/08R SN BK BX | 0.37 |
| 2628510000 | BVF 7.62HP/04/180MSF2 BCF/04R SN BK BX | 0.38 |
| 2628520000 | BVF 7.62HP/04/180MSF2 BCF/06R SN BK BX | 0.38 |
| 2628530000 | BVF 7.62HP/04/180MSF2 BCF/08R SN BK BX | 0.38 |
| 2628570000 | BVF 7.62HP/05/180MSF2 BCF/04R SN BK BX | 0.38 |
| 2628580000 | BVF 7.62HP/05/180MSF2 BCF/06R SN BK BX | 0.38 |
| 2628590000 | BVF 7.62HP/05/180MSF2 BCF/08R SN BK BX | 0.38 |
| 2628630000 | BVF 7.62HP/04/180MSF3 BCF/04R SN BK BX | 0.39 |
| 2628640000 | BVF 7.62HP/04/180MSF3 BCF/06R SN BK BX | 0.39 |
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| 2628650000 | BVF 7.62HP/04/180MSF3 BCF/08R SN BK BX | 0.3 |
| 2628690000 | BVFL 7.62HP/02/180MF2 BCF/08R SN BK BX | 0.5 |
| 2628720000 | BVFL 7.62HP/03/180MF2 BCF/04R SN BK BX | 0.5 |
| 2628730000 | BVFL 7.62HP/03/180MF2 BCF/06R SN BK BX | 0.5 |
| 2628740000 | BVFL 7.62HP/03/180MF2 BCF/08R SN BK BX | 0.5 |
| 2628780000 | BVFL 7.62HP/04/180MF2 BCF/04R SN BK BX | 0.5 |
| 2628790000 | BVFL 7.62HP/04/180MF2 BCF/06R SN BK BX | 0.5 |
| 2628800000 | BVFL 7.62HP/04/180MF2 BCF/08R SN BK BX | 0.5 |
| 2628840000 | BVFL 7.62HP/05/180MF2 BCF/04R SN BK BX | 0.5 |
| 2628850000 | BVFL 7.62HP/05/180MF2 BCF/06R SN BK BX | 0.5 |
| 2628860000 | BVFL 7.62HP/05/180MF2 BCF/08R SN BK BX | 0.5 |
| 2628900000 | BVFL 7.62HP/04/180MF3 BCF/04R SN BK BX | 0.5 |
| 2628910000 | BVFL 7.62HP/04/180MF3 BCF/06R SN BK BX | 0.5 |
| 2628920000 | BVFL 7.62HP/04/180MF3 BCF/08R SN BK BX | 0.5 |
| 2628960000 | BVFL 7.62HP/05/180MF3 BCF/04R SN BK BX | 0.5 |
| 2628970000 | BVFL 7.62HP/05/180MF3 BCF/06R SN BK BX | 0.5 |
| 2628980000 | BVFL 7.62HP/05/180MF3 BCF/08R SN BK BX | 0.5 |
| 2629020000 | BVFL 7.62HP/02/180MSF2 BCF/06R SN BK BX | 0.5 |
| 2629030000 | BVFL 7.62HP/02/180MSF2 BCF/08R SN BK BX | 0.5 |
| 2629060000 | BVFL 7.62HP/03/180MSF2 BCF/04R SN BK BX | 0.5 |
| 2629070000 | BVFL 7.62HP/03/180MSF2 BCF/06R SN BK BX | 0.5 |
| 2629080000 | BVFL 7.62HP/03/180MSF2 BCF/08R SN BK BX | 0.5 |
| 2629120000 | BVFL 7.62HP/04/180MSF2 BCF/04R SN BK BX | 0.5 |
| 2629130000 | BVFL 7.62HP/04/180MSF2 BCF/06R SN BK BX | 0.5 |
| 2629140000 | BVFL 7.62HP/04/180MSF2 BCF/08R SN BK BX | 0.5 |
| 2629180000 | BVFL 7.62HP/05/180MSF2 BCF/04R SN BK BX | 0.5 |
| 2629190000 | BVFL 7.62HP/05/180MSF2 BCF/06R SN BK BX | 0.5 |
| 2629200000 | BVFL 7.62HP/05/180MSF2 BCF/08R SN BK BX | 0.5 |
| 2629240000 | BVFL 7.62HP/04/180MSF3 BCF/04R SN BK BX | 0.5 |
| 2629250000 | BVFL 7.62HP/04/180MSF3 BCF/06R SN BK BX | 0.5 |
| 2629260000 | BVFL 7.62HP/04/180MSF3 BCF/08R SN BK BX | 0.5 |
| 2629300000 | BVFL 7.62HP/05/180MSF3 BCF/04R SN BK BX | 0.5 |
| 2629310000 | BVFL 7.62HP/05/180MSF3 BCF/06R SN BK BX | 0.5 |
| 2629320000 | BVFL 7.62HP/05/180MSF3 BCF/08R SN BK BX | 0.5 |
| 2629360000 | SL 7.62IT/05/90MF2 3.2SN BK BX | 0.6 |
| 2629480000 | SL 7.62IT/06/90MF2 3.2SN BK BX | 0.6 |
| 2629490000 | SL 7.62IT/04/90MF3 3.2SN BK BX S0 | 0.6 |
| 2629500000 | SL 7.62IT/06/90MF4 3.2SN BK BX S0 | 0.6 |
| 2629690000 | BLZ 7.62IT/05/180MF2 SN BK BX | 0.6 |
| 2629740000 | BLZ 7.62IT/06/180MF2 SN BK BX | 0.6 |
| 2629750000 | BLZ 7.62IT/04/180MF3 SN BK BX | 0.6 |
| 2629920000 | BVF 7.62HP/06/180MF2 SN BK BX | 0.18 |

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| 2630190000 | SU 10.16IT/04/270MF3 3.5AG BK BX S0 | 0.79 |
| 2630260000 | SVFL 7.62HP/02/180MF2 SN BK BX | 0.176 |
| 2630270000 | BVF 7.62HP/06/180MF3 SN BK BX | 0.187 |
| 2630320000 | BVF 7.62HP/06/180MSF3 SN BK BX | 0.189 |
| 2630420000 | SVFL 7.62HP/03/180MF2 SN BK BX | 0.176 |
| 2630430000 | SVFL 7.62HP/04/180MF2 SN BK BX | 0.176 |
| 2630440000 | SVFL 7.62HP/05/180MF2 SN BK BX | 0.176 |
| 2630450000 | SVFL 7.62HP/03/180MF3 SN BK BX | 0.177 |
| 2630460000 | SVFL 7.62HP/05/180MF3 SN BK BX | 0.177 |
| 2630470000 | SVFL 7.62HP/04/180MF4 SN BK BX | 0.177 |
| 2630480000 | SVFL 7.62HP/05/180MF4 SN BK BX | 0.177 |
| 2630700000 | BVFL 7.62HP/04/180MF2 SN BK BX | 0.192 |
| 2630710000 | BVFL 7.62HP/05/180MF2 SN BK BX | 0.192 |
| 2630720000 | BVFL 7.62HP/06/180MF2 SN BK BX | 0.192 |
| 2630730000 | BVFL 7.62HP/06/180MF3 SN BK BX | 0.193 |
| 2630740000 | BVFL 7.62HP/04/180MF4 SN BK BX | 0.193 |
| 2632730000 | SLF 7.62HP/04/180FSH160 SN BK BX | 0.114 |
| 2632770000 | SLF 7.62HP/04/180FSH200 SN BK BX | 0.115 |
| 2632780000 | SLF 7.62HP/04/180LRSH160 SN BK BX | 0.116 |
| 2632790000 | SLF 7.62HP/04/180LRSH200 SN BK BX | 0.117 |
| 2633380000 | BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP180 | 0.43 |
| 2633390000 | BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP180 | 0.49 |
| 2633400000 | BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP90 | 0.48 |
| 2633690000 | AP 45/LI BK | S.50 |
| 2633700000 | AP 45/RE BK | \$.50 |
| 2638340000 | CH20M12 S PSCSC AGY | S.23 |
| 2639980000 | CH20M22 FC TP BK 1819 | S.26 |
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| 2653360000 | CH20M67 B TYL/BK 2083 | \$.31 |
|------------|-----------------------------|-------|
| 2653370000 | CH20M67 FC TYL 2083 | \$.31 |
| 2653380000 | CH20M67 S 3P/3P/3P TYL 2083 | \$.3 |
| 2654620000 | PB-CO RD | P.4 |
| 2655070000 | CH20M17 FC TYL 2083 | S.24 |
| 2655080000 | CH20M17 FC BK 2010 | S.24 |

| 2667420000 | LMFS 7.50/02/90 3.5SN OR BX | F.9 |
|------------|-----------------------------|-----|
| 2667430000 | LMFS 7.50/03/90 3.5SN OR BX | F.9 |
| 2667440000 | LMFS 7.50/04/90 3.5SN OR BX | F.9 |
| 2667450000 | LMFS 7.50/05/90 3.5SN OR BX | F.9 |
| 2667460000 | LMFS 7.50/06/90 3.5SN OR BX | F.9 |
| 2667470000 | LMFS 7.50/07/90 3.5SN OR BX | F.9 |
| 2667480000 | LMFS 7.50/08/90 3.5SN OR BX | F.9 |
| 2667490000 | LMFS 7.50/09/90 3.5SN OR BX | F.9 |
| 2667500000 | LMFS 7.50/10/90 3.5SN OR BX | F.9 |
| 2667510000 | LMFS 7.50/11/90 3.5SN OR BX | F.9 |
| 2667520000 | LMFS 7.50/12/90 3.5SN OR BX | F.9 |
| 2667830000 | LMF 7.50/04/90 3.5SN OR BX | F.9 |
| 2667840000 | LMF 7.50/05/90 3.5SN OR BX | F.9 |
| 2667850000 | LMF 7.50/06/90 3.5SN OR BX | F.9 |
| 2007000000 | LME 7 E0 /07/00 2 ECN 00 DV | E 0 |

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| 2667870000 | LMF 7.50/08/90 3.5SN OR BX | F.92 |
| 2667880000 | LMF 7.50/09/90 3.5SN OR BX | F.92 |
| 2667910000 | LMF 7.50/02/90 3.5SN OR BX | F.92 |
| 2667920000 | LMF 7.50/03/90 3.5SN OR BX | F.92 |
| 2667930000 | LMF 7.50/10/90 3.5SN OR BX | F.92 |
| 2668140000 | LMF 7.50/11/90 3.5SN OR BX | F.92 |
| 2668150000 | LMF 7.50/12/90 3.5SN OR BX | F.92 |
| 2669590000 | BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP150 | 0.43 |
| 2669600000 | BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP150 | 0.49 |
| 2669610000 | BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SP210 | 0.43 |
| 2669620000 | BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SP210 | 0.49 |
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| 2673070000 | CH20M45 FC TP BK 1819 | S.28 |
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 2681760000
 BVF 7.62HP/4/180MF4 BCF/4 SNBKBX SH180
 0.40

 2681770000
 BVFL 7.62HP/4/180MSF4 BCF/4 SNBKBX SH180
 0.47

 2681780000
 BVF 7.62HP/4/180MSF4 BCF/4 SNBKBX SH180
 0.41

| 2698610000 | USB2.0B T1H 2.8N4 TY BK | E.16 | | |
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| 2708610000 | PB-CON IKSC M4X8 A2 | P.4 |
|------------|--------------------------|-----|
| 2708620000 | PB-CON SF DELTA PT 40X12 | P.4 |
| | | |

| 2710810000 | USB2.0B T1V 3.0N4 TY BK | E.1 |
|------------|-------------------------------|------|
| 2719370000 | BVDF 7.62HP/02/180SN BK BX | 0.19 |
| 2719380000 | BVDF 7.62HP/02/180SF SN BK BX | 0.19 |
| | | |

| 2720430000 | BVDF 7.62HP/03/180SN BK BX | 0.19 |
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| 2720440000 | BVDF 7.62HP/04/180SN BK BX | 0.19 |
| 2720450000 | BVDF 7.62HP/05/180SN BK BX | 0.19 |
| 2720460000 | BVDF 7.62HP/06/180SN BK BX | 0.19 |
| 2720470000 | BVDF 7.62HP/07/180SN BK BX | 0.19 |
| 2720480000 | BVDF 7.62HP/08/180SN BK BX | 0.19 |
| 2720490000 | BVDF 7.62HP/03/180SF SN BK BX | 0.19 |
| 2720500000 | BVDF 7.62HP/04/180SF SN BK BX | 0.19 |
| 2720510000 | BVDF 7.62HP/05/180SF SN BK BX | 0.19 |
| 2720520000 | BVDF 7.62HP/06/180SF SN BK BX | 0.19 |
| 2720530000 | BVDF 7.62HP/07/180SF SN BK BX | 0.19 |
| 2720540000 | BVDF 7.62HP/08/180SF SN BK BX | 0.19 |
| 2720560000 | BVDF 7.62HP/02/180MSF2 SN BK BX | 0.19 |
| 2720570000 | BVDF 7.62HP/03/180MSF3 SN BK BX | 0.19 |
| 2720580000 | BVDF 7.62HP/04/180MSF3 SN BK BX | 0.19 |
| 2720590000 | BVDF 7.62HP/05/180MSF4 SN BK BX | 0.19 |
| 2720600000 | BVDF 7.62HP/06/180MSF3 SN BK BX | 0.19 |
| 2720610000 | BVDF 7.62HP/07/180MSF2 SN BK BX | 0.19 |
| 2720620000 | BVDF 7.62HP/08/180MSF5 SN BK BX | 0.19 |
| 2725850010 | IE-S1DS2VE0010T01T01-E | C. |
| 2725850020 | IE-S1DS2VE0020T01T01-E | C. |
| 2725850030 | IE-S1DS2VE0030T01T01-E | C. |
| 2725850050 | IE-S1DS2VE0050T01T01-E | C. |
| 2725850100 | IE-S1DS2VE0100T01T01-E | C. |
| 2725850150 | IE-S1DS2VE0150T01T01-E | C. |
| 2725850400 | IE-S1DS2VE0400T01T01-E | C. |
| 2726010000 | IE-PCB-SPE-P-90V2.1-THR RL | C.1 |
| 2726020000 | IE-BHD-SPE-M8-OT-FP | C.2 |
| 2726030000 | IE-BHD-SPE-M8-OT-BP | C.2 |
| 2726040000 | IE-PS-SP0-S-FH-180 | C.1 |
| 2726050020 | IE-S1DS2VE0020TM1TM1-E | C. |
| 2726050050 | IE-S1DS2VE0050TM1TM1-E | C. |
| 2726050100 | IE-S1DS2VE0100TM1TM1-E | C. |
| 2726050150 | IE-S1DS2VE0150TM1TM1-E | C. |
| 2726050200 | IE-S1DS2VE0200TM1TM1-E | C. |
| 2726050400 | IE-S1DS2VE0400TM1TM1-E | C. |
| 2726060020 | IE-S1DS2VE0020TM1TM2-E | C. |
| 2726070020 | IE-S1DS2VE0020TM2TM2-E | C.1 |
| | | |

| 2730830000 | B2CF 3.50/12/180ZE SN OR BX | I.13 |
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| 2730900000 | B2CF 3.50/14/180ZE SN OR BX | I.13 |
| 2735920000 | IE-PCB-SPM-P-180-THR | C.21 |
| 2738670000 | CH20M45 B SIM BK/BK 2010 | S.28 |
| 2739640000 | IE-BHD-SPE-FP-CN-M10X0.75 | C.20 |

| 2741400000 | MHS 5/02 HT3 BT | B.11 |
|------------|-------------------|------|
| 2741420000 | MHS 5/03 H T3 B T | B.10 |
| 2741430000 | MHS 5/04 H T3 B T | B.10 |
| 2741440000 | MHS 5/05 HT3 BT | B.11 |
| 2741450000 | MHS 5/06 HT3 BT | B.10 |
| 2741460000 | MHS 5/07 HT3 BT | B.11 |
| 2741470000 | MHS 5/08 HT3 BT | B.1 |
| 2741480000 | MHS 5/09 HT3 BT | B.10 |
| 2741490000 | MHS 5/10 H T3 B T | B.10 |
| 2741500000 | MHS 5/11 HT3 BT | B.11 |
| 2741510000 | MHS 5/12 H T3 B T | B.1 |
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| 2741520000 | MHS 5/03 D11 H T3 B T | B.22 |
| 2741530000 | MHS 5/04 D11 HT3 BT | B.22 |
| 2741540000 2741550000 | MHS 5/05 D11 H T3 B T MHS 5/06 D11 H T3 B T | B.22 B.22 |
| 2741560000 | MPS 5/02 S TN B B | B.13 |
| 2741570000 | MPS 5/03 S TN B B MPS 5/04 S TN B B | B.13 B.13 |
| 2741590000 | MPS 5/05 S TN B B | B.13 |
| 2741600000 | MPS 5/06 S TN B B | B.13 |
| 2741610000 2741620000 | MPS 5/07 S TN B B MPS 5/08 S TN B B | B.13 B.13 |
| 2741630000 | MPS 5/09 S TN B B | B.13 |
| 2741640000 2741650000 | MPS 5/10 S TN B B MPS 5/11 S TN B B | B.13 B.13 |
| 2741660000 | MPS 5/12 S TN B B | B.13 |
| 2741670000 | MPS 5/02 S F1 TN B B | B.14 |
| 2741680000 2741690000 | MPS 5/03 S F2 TN B B MPS 5/04 S F2 TN B B | B.14 B.14 |
| 2741700000 | MPS 5/05 S F3 TN B B | B.14 |
| 2741710000 | MPS 5/06 S F3 TN B B | B.14 |
| 2741720000 2741730000 | MPS 5/07 S F4 TN B B MPS 5/08 S F4 TN B B | B.14 B.14 |
| 2741740000 | MPS 5/09 S F5 TN B B | B.14 |
| 2741750000 | MPS 5/10 S F5 TN B B | B.14 |
| 2741760000 2741770000 | MPS 5/11 S F6 TN B B MPS 5/12 S F6 TN B B | B.14 B.14 |
| 2741780000 | MPS 5/03 D11 S TN B B | B.23 |
| 2741790000 2741800000 | MPS 5/04 D11 S TN B B MPS 5/05 D11 S TN B B | B.23 B.23 |
| 2741810000 | MPS 5/06 D11 S TN B B | B.23 |
| 2741890000 | MPS 5/03 D11 S F2 TN B B | B.24 |
| 2741900000 2741910000 | MPS 5/04 D11 S F3 TN B B MPS 5/05 D11 S F4 TN B B | B.24 B.24 |
| 2741920000 | MPS 5/06 D11 S F4 TN B B | B.24 |
| 2743520000 | CH20M22 B SIM BK/OR 2010 | S.26 |
| 2745200000 2746980000 | CH20M67 B 2FE BK/OR FMH1 S1/12V F1 B RL | S.30 G.8 |
| 2746990000 | FMH1 S1/16V F1 B RL | G.8 |
| 2747000000 | FMH1 S1/20V F1 B RL | G.8 |
| 2747010000 2747020000 | FMH1 S1/26V F1 B RL FMH1 S1/32V F1 B RL | G.8 G.8 |
| 2747030000 | FMH1 S1/40V F1 B RL | G.8 |
| 2747040000 2747050000 | FMH1 S1/50V F1 B RL FMH1 S1/68V F1 B RL | G.8 G.8 |
| 2747060000 | FMH1 S1/80V F1 B RL | G.8 |
| 2747070000 | FMH3 S1/12V F1 B RL | G.10 |
| 2747080000 2747090000 | FMH3 S1/16V F1 B RL FMH3 S1/20V F1 B RL | G.10 G.10 |
| 2747100000 | FMH3 S1/26V F1 B RL | G.10 |
| 2747110000 | FMH3 S1/32V F1 B RL | G.10 |
| 2747120000 2747130000 | FMH3 S1/40V F1 B RL FMH3 S1/50V F1 B RL | G.10 G.10 |
| 2747140000 | FMH3 S1/68V F1 B RL | G.10 |
| 2747150000 2747160000 | FMH3 S1/80V F1 B RL FMH S1/12H F1 B RL | G.10 |
| 2747170000 | FMH S1/16H F1 B RL | G.6 G.6 |
| 2747180000 | FMH S1/20H F1 B RL | G.6 |
| 2747190000 2747200000 | FMH S1/26H F1 B RL FMH S1/32H F1 B RL | G.6 G.6 |
| 2747210000 | FMH S1/40H F1 B RL | G.6 |
| 2747220000 | FMH S1/50H F1 B RL | G.6 |
| 2747230000 2747240000 | FMH S1/68H F1 B RL FMH S1/80H F1 B RL | G.6 G.6 |
| 2747250000 | FFH6 S1/12V F1 B RL | G.14 |
| 2747260000 2747270000 | FFH6 S1/16V F1 B RL FFH6 S1/20V F1 B RL | G.14 G.14 |
| 2747280000 | FFH6 S1/26V F1 B RL | G.14 |
| 2747290000 | FFH6 S1/32V F1 B RL | G.14 |
| 2747300000 2747310000 | FFH6 S1/40V F1 B RL FFH6 S1/50V F1 B RL | G.14 G.14 |
| 2747320000 | FFH6 S1/68V F1 B RL | G.14 |
| 2747330000 | FFH6 S1/80V F1 B RL | G.14 |
| 2747340000 2747350000 | FFH9 S1/12V F1 B RL FFH9 S1/16V F1 B RL | G.16 G.16 |
| 2747360000 | FFH9 S1/20V F1 B RL | G.16 |
| 2747370000 | FFH9 S1/26V F1 B RL FFH9 S1/32V F1 B RL | G.16 G.16 |
| 2747390000 | FFH9 S1/40V F1 B RL | G.16 |
| 2747400000 | FFH9 S1/50V F1 B RL | G.16 |
| 2747410000 2747420000 | FFH9 S1/68V F1 B RL FFH9 S1/80V F1 B RL | G.16 G.16 |
| 2747440000 | FFH S1/16H F1 B RL | G.12 |
| 2747450000 | FFH S1/20H F1 B RL | G.12 |
| 2747460000 2747470000 | FFH S1/26H F1 B RL FFH S1/32H F1 B RL | G.12 G.12 |
| 2747480000 | FFH S1/40H F1 B RL | G.12 |
| 2747490000 2747500000 | FFH S1/50H F1 B RL FFH S1/68H F1 B RL | G.12 |
| 2747510000 | FFH S1/80H F1 B RL | G.12 G.12 |
| 2747520000 | FFP D1/12H S1 B TY | G.18 |
| 2747530000 2747540000 | FFP D1/16H S1 B TY FFP D1/20H S1 B TY | G.18 G.18 |
| 2747550000 | FFP D1/26H S1 B TY | G.18 |
| 2747560000 | FFP D1/32H S1 B RL | G.18 |
| 2747570000 2747580000 | FFP D1/40H S1 B TY FFP D1/50H S1 B TY | G.18 G.18 |
| 2747590000 | FFP D1/68H S1 B TY | G.18 |
| 2747600000 | FFP D1/80H S1 B TY | G.18 |
| 2749320000 | SDS 0.4X2.5X75 | F.18 |

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F.18

| Order No. | Туре | Page | Order No. | Туре | Page | Order No. | Туре | Page | Order No. | Туре | Page |
|--------------------------|------------------------------------|----------------|--------------------------|------------------------------------|----------------|--------------------------|--------------------------------------|---------------|--------------------------|----------------------------------------------------------------------|----------------|
| | SDS 0.4X2.5X75 | F.19 | | SDS 0.6X3.5X100 | 0.168 | 2749440000 | | N.16 | 2749810000 | | K.94 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | F.20 F.21 | 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 0.194 R.5 | 2749440000 2749440000 | SDK PZ1 X 80 SDK PZ1 X 80 | R.5 S.57 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | K.96 K.98 |
| 2749320000 | SDS 0.4X2.5X75 | F.46 | 2749340000 | SDS 0.6X3.5X100 | S.57 | 2749450000 | SDK PZ2 X 100 | M.15 | 2749810000 | SDIS 0.6X3.5X100 | K.100 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | F.48 F.50 | 2749360000 2749360000 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | F.38 F.39 | 2749450000 2749450000 | SDK PZ2 X 100 SDK PZ2 X 100 | N.18 N.19 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | K.102 K.104 |
| 2749320000 | SDS 0.4X2.5X75 | F.52 | 2749360000 | SDS 0.8X4.0X100 | M.15 | 2749450000 | SDK PZ2 X 100 | N.20 | 2749810000 | SDIS 0.6X3.5X100 | K.106 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | F.54 F.56 | 2749360000 2749360000 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | N.16 N.28 | 2749450000 2749450000 | SDK PZ2 X 100 SDK PZ2 X 100 | N.21 N.22 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | K.108 K.110 |
| 2749320000 | SDS 0.4X2.5X75 | F.58 | 2749360000 | SDS 0.8X4.0X100 | N.29 | 2749450000 | SDK PZ2 X 100 | N.24 | 2749810000 | SDIS 0.6X3.5X100 | K.112 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | F.60 F.62 | 2749360000 2749360000 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | N.30 N.31 | 2749450000 2749450000 | SDK PZ2 X 100 SDK PZ2 X 100 | 0.80 0.82 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | K.114 M.15 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | F.64 F.66 | 2749360000 2749360000 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | N.32 N.33 | 2749450000 2749450000 | SDK PZ2 X 100 SDK PZ2 X 100 | 0.84 0.86 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 0.66 0.114 |
| 2749320000 | SDS 0.4X2.5X75 | F.68 | 2749360000 | | N.34 | 2749450000 | SDK PZ2 X 100 | 0.88 | 2749810000 | SDIS 0.6X3.5X100 | 0.114 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | F.70 F.72 | 2749360000 2749360000 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | N.35 N.36 | 2749450000 2749450000 | SDK PZ2 X 100 SDK PZ2 X 100 | 0.90 0.92 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 0.118 0.120 |
| 2749320000 | SDS 0.4X2.5X75 | F.74 | 2749360000 | | N.37 | 2749450000 | SDK PZ2 X 100 | 0.220 | 2749810000 | SDIS 0.6X3.5X100 | 0.120 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | F.76 F.78 | 2749360000 2749360000 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | N.38 N.39 | 2749450000 2749450000 | SDK PZ2 X 100 SDK PZ2 X 100 | 0.222 R.5 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | 0.12 R.5 |
| 2749320000 | | F.80 | | SDS 0.8X4.0X100 | N.40 | | SDK PZ2 X 100 | S.57 | 2749810000 | SDIS 0.6X3.5X100 | S.57 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | F.82 F.84 | 2749360000 2749360000 | SDS 0.8X4.0X100 SDS 0.8X4.0X100 | N.41 R.5 | 2749460000 2749460000 | SDK PZ3 X 150 SDK PZ3 X 150 | M.15 R.5 | 2749820000 2749820000 | SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | F.38 F.39 |
| 2749320000 | SDS 0.4X2.5X75 | F.86 | 2749360000 | | S.57 | 2749460000 | SDK PZ3 X 150 | S.57 | 2749820000 | | M.15 |
| 2749320000 | SDS 0.4X2.5X75 | F.96 I.12 | 2749370000 | SDS 0.8X4.5X125 | M.15 | 2749790000 | SDIS 0.4X2.5X75 | F.18 F.19 | 2749820000 2749820000 | SDIS 0.8X4.0X100 | N.16 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 1.12 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.34 0.36 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | F.19 | 2749820000 | | N.28 N.29 |
| 2749320000 | SDS 0.4X2.5X75 | 1.48 | 2749370000 | SDS 0.8X4.5X125 | 0.38 | 2749790000 | SDIS 0.4X2.5X75 | F.21 | 2749820000 | SDIS 0.8X4.0X100 | N.30 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | I.50 I.54 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.44 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | F.46 F.48 | 2749820000 2749820000 | SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | N.31 N.32 |
| 2749320000 | SDS 0.4X2.5X75 | 1.56 | 2749370000 | SDS 0.8X4.5X125 | 0.94 | 2749790000 | SDIS 0.4X2.5X75 | F.50 | 2749820000 | SDIS 0.8X4.0X100 | N.33 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | 1.58 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.96 0.98 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | F.52 F.54 | 2749820000 2749820000 | SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | N.34 N.35 |
| 2749320000 | SDS 0.4X2.5X75 | J.44 | 2749370000 | SDS 0.8X4.5X125 | 0.100 | 2749790000 | SDIS 0.4X2.5X75 | F.56 | 2749820000 | SDIS 0.8X4.0X100 | N.36 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | J.46 J.48 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.162 0.164 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | F.58 F.60 | 2749820000 2749820000 | SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | N.37 N.38 |
| 2749320000 | SDS 0.4X2.5X75 | J.50 | 2749370000 | SDS 0.8X4.5X125 | 0.166 | 2749790000 | SDIS 0.4X2.5X75 | F.62 | 2749820000 | SDIS 0.8X4.0X100 | N.39 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | J.52 J.54 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.170 0.172 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | F.64 F.66 | 2749820000 2749820000 | SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | N.40 N.41 |
| 2749320000 | SDS 0.4X2.5X75 | J.56 | 2749370000 | SDS 0.8X4.5X125 | 0.174 | 2749790000 | SDIS 0.4X2.5X75 | F.68 | 2749820000 | SDIS 0.8X4.0X100 | 0.14 |
| 2749320000 2749320000 | SDS 0.4X2.5X75 SDS 0.4X2.5X75 | M.15 0.10 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.176 0.178 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | F.70 F.72 | 2749820000 2749820000 | SDIS 0.8X4.0X100 SDIS 0.8X4.0X100 | 0.16 R.5 |
| 2749320000 | SDS 0.4X2.5X75 | R.5 | 2749370000 | SDS 0.8X4.5X125 | 0.180 | 2749790000 | SDIS 0.4X2.5X75 | F.74 | 2749820000 | SDIS 0.8X4.0X100 | S.57 |
| 2749320000 2749330000 | SDS 0.4X2.5X75 SDS 0.5X3.0X80 | S.57 M.15 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.182 0.184 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | F.76 F.78 | 2749830000 2749830000 | SDIS 1.0X4.5X125 SDIS 1.0X4.5X125 | M.15 R.5 |
| 2749330000 | SDS 0.5X3.0X80 | N.26 | 2749370000 | SDS 0.8X4.5X125 | 0.186 | 2749790000 | SDIS 0.4X2.5X75 | F.80 | 2749830000 | SDIS 1.0X4.5X125 | S.57 |
| 2749330000 2749330000 | SDS 0.5X3.0X80 SDS 0.5X3.0X80 | N.27 0.122 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.188 0.190 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | F.82 F.84 | 2749850000 2749850000 | SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | M.15 N.18 |
| 2749330000 | SDS 0.5X3.0X80 | 0.122 | 2749370000 | SDS 0.8X4.5X125 | 0.190 | 2749790000 | SDIS 0.4X2.5X75 | F.86 | 2749850000 | SDIS 1.0X5.5X125 | N.18 N.19 |
| 2749330000 | SDS 0.5X3.0X80 | R.5 | 2749370000 | SDS 0.8X4.5X125 | 0.224 | 2749790000 | SDIS 0.4X2.5X75 | F.96 | 2749850000 | SDIS 1.0X5.5X125 | N.20 |
| 2749330000 2749340000 | SDS 0.5X3.0X80 SDS 0.6X3.5X100 | S.57 F.22 | 2749370000 2749370000 | SDS 0.8X4.5X125 SDS 0.8X4.5X125 | 0.226 0.228 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 1.48 | 2749850000 2749850000 | SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | N.21 0.80 |
| 2749340000 | SDS 0.6X3.5X100 | F.24 | 2749370000 | SDS 0.8X4.5X125 | R.5 | 2749790000 | SDIS 0.4X2.5X75 | 1.54 | 2749850000 | SDIS 1.0X5.5X125 | 0.82 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | F.26 F.28 | 2749370000 2749380000 | SDS 0.8X4.5X125 SDS 1.0X5.5X150 | S.57 M.15 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | 1.56 1.58 | 2749850000 2749850000 | SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | 0.84 |
| 2749340000 | SDS 0.6X3.5X100 | F.30 | 2749380000 | | N.18 | 2749790000 | SDIS 0.4X2.5X75 | 1.60 | 2749850000 | | 0.88 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | F.32 F.34 | 2749380000 | SDS 1.0X5.5X150 SDS 1.0X5.5X150 | N.19 N.20 | 2749790000 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | J.44 J.46 | 2749850000 2749850000 | SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | 0.90 |
| 2749340000 | SDS 0.6X3.5X100 | F.36 | 2749380000 | SDS 1.0X5.5X150 | N.21 | 2749790000 | SDIS 0.4X2.5X75 | J.48 | 2749850000 | SDIS 1.0X5.5X125 | 0.220 |
| | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | F.88 F.90 | | SDS 1.0X5.5X150 SDS 1.0X5.5X150 | R.5 S.57 | | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | J.50 J.52 | | SDIS 1.0X5.5X125 SDIS 1.0X5.5X125 | 0.222 0.18 |
| | SDS 0.6X3.5X100 | F.98 | | SDS 1.2X6.5X150 | M.15 | | SDIS 0.4X2.5X75 | J.54 | | | R.5 |
| 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | F.100 F.102 | 2749390000 | SDS 1.2X6.5X150 SDS 1.2X6.5X150 | N.22 N.24 | 2749790000 | SDIS 0.4X2.5X75 SDIS 0.4X2.5X75 | J.56 M.15 | 2749850000 | SDIS 1.0X5.5X125 SDIS 1.2X6.5X150 | S.57 M.15 |
| 2749340000 | SDS 0.6X3.5X100 | F.104 | 2749390000 | SDS 1.2X6.5X150 | R.5 | 2749790000 | SDIS 0.4X2.5X75 | R.5 | 2749860000 | SDIS 1.2X6.5X150 | N.22 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | K.40 K.42 | | SDS 1.2X6.5X150 SDK PH0 X 60 | S.57 M.15 | 2749790000 2749800000 | SDIS 0.4X2.5X75 SDIS 0.5X3.0X100 | S.57 M.15 | 2749860000 2749860000 | | 0.20 |
| 2749340000 | SDS 0.6X3.5X100 | K.44 | 2749400000 | SDK PHO X 60 | R.5 | 2749800000 | SDIS 0.5X3.0X100 | N.26 | 2749860000 | SDIS 1.2X6.5X150 | 0.22 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | K.46 K.48 | 2749400000 2749410000 | SDK PH0 X 60 SDK PH1 X 80 | S.57 K.40 | 2749800000 2749800000 | SDIS 0.5X3.0X100 SDIS 0.5X3.0X100 | N.27 0.122 | 2749860000 2749860000 | | R.5 S.57 |
| 2749340000 | SDS 0.6X3.5X100 | K.82 | 2749410000 | SDK PH1 X 80 | K.42 | 2749800000 | SDIS 0.5X3.0X100 | R.5 | 2749870000 | SDIS 1.2X8.0X175 | M.15 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | K.84 K.86 | 2749410000 2749410000 | SDK PH1 X 80 SDK PH1 X 80 | K.44 K.96 | 2749800000 2749810000 | SDIS 0.5X3.0X100 SDIS 0.6X3.5X100 | S.57 F.22 | 2749870000 2749870000 | | R.5 S.57 |
| 2749340000 | SDS 0.6X3.5X100 | K.88 | 2749410000 | SDK PH1 X 80 | K.98 | 2749810000 | SDIS 0.6X3.5X100 | F.24 | 2749930000 | SDIK PZ2 X 100 | N.18 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | K.90 K.92 | 2749410000 2749410000 | SDK PH1 X 80 SDK PH1 X 80 | K.100 K.102 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | F.26 F.28 | 2749930000 2749930000 | SDIK PZ2 X 100 SDIK PZ2 X 100 | N.19 N.20 |
| 2749340000 | SDS 0.6X3.5X100 | K.93 | 2749410000 | SDK PH1 X 80 | M.15 | 2749810000 | SDIS 0.6X3.5X100 | F.30 | 2749930000 | SDIK PZ2 X 100 | N.21 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | K.94 K.96 | 2749410000 2749410000 | SDK PH1 X 80 SDK PH1 X 80 | 0.74 0.178 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | F.32 F.34 | 2749930000 2749930000 | | N.22 N.24 |
| 2749340000 | SDS 0.6X3.5X100 | K.98 | 2749410000 | SDK PH1 X 80 | 0.180 | 2749810000 | SDIS 0.6X3.5X100 | F.36 | 2749930000 | SDIK PZ2 X 100 | 0.80 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | K.100 K.102 | 2749410000 2749410000 | SDK PH1 X 80 SDK PH1 X 80 | 0.182 R.5 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | F.42 F.44 | 2749930000 2749930000 | SDIK PZ2 X 100 SDIK PZ2 X 100 | 0.82 |
| 2749340000 | SDS 0.6X3.5X100 | K.104 | 2749410000 | SDK PH1 X 80 | S.57 | 2749810000 | SDIS 0.6X3.5X100 | F.45 | 2749930000 | SDIK PZ2 X 100 | 0.86 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | K.106 K.108 | 2749420000 2749420000 | SDK PH2 X 100 SDK PH2 X 100 | M.15 R.5 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | F.98 F.100 | 2749930000 2749930000 | SDIK PZ2 X 100 SDIK PZ2 X 100 | 0.88 |
| 2749340000 | SDS 0.6X3.5X100 | K.110 | 2749420000 | SDK PH2 X 100 | S.57 | 2749810000 | SDIS 0.6X3.5X100 | F.102 | 2749930000 | SDIK PZ2 X 100 | 0.92 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | K.112 K.114 | 2749430000 2749430000 | SDK PH3 X 150 SDK PH3 X 150 | M.15 R.5 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | F.104 K.40 | | SDIK PZ2 X 100 SDIK PZ2 X 100 | 0.220 |
| 2749340000 | SDS 0.6X3.5X100 | M.15 | 2749430000 | | S.57 | 2749810000 | SDIS 0.6X3.5X100 | K.40 K.42 | 2140000000 | ODIN 1 22 A 100 | 0.222 |
| 2749340000 | SDS 0.6X3.5X100 | 0.40 | | SDK PZ1 X 80 | F.38 | 2749810000 | SDIS 0.6X3.5X100 | K.44 K.46 | 2760 | 000000 | |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 0.42 0.46 | | SDK PZ1 X 80 SDK PZ1 X 80 | F.39 K.40 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | K.48 | | USB-MIC2.0B S1V 1N1 RL BK | E.8 |
| 2749340000 | SDS 0.6X3.5X100 | 0.50 | 2749440000 | SDK PZ1 X 80 | K.42 | 2749810000 | SDIS 0.6X3.5X100 | K.82 | 0770 | | |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 0.52 0.66 | | SDK PZ1 X 80 SDK PZ1 X 80 | K.44 K.96 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | K.84 K.86 | 2//0 | 1000000 | |
| 2749340000 | SDS 0.6X3.5X100 | 0.114 | 2749440000 | SDK PZ1 X 80 | K.98 | 2749810000 | SDIS 0.6X3.5X100 | K.88 | | CH20M6 BC 4P-4P BUS BK 1 1261494 | \$.21 |
| 2749340000 2749340000 | SDS 0.6X3.5X100 SDS 0.6X3.5X100 | 0.116 0.118 | | SDK PZ1 X 80 SDK PZ1 X 80 | K.100 K.102 | 2749810000 2749810000 | SDIS 0.6X3.5X100 SDIS 0.6X3.5X100 | K.90 K.92 | 2771140000 2771150000 | CH20M6 BC 4P-4P BUS GY 1 1261516 CH20M6 BC 4P-4P BUS RD 1 1261515 | S.21 S.21 |
| 2749340000 | SDS 0.6X3.5X100 | 0.120 | 2749440000 | SDK PZ1 X 80 | M.15 | 2749810000 | SDIS 0.6X3.5X100 | K.93 | 2771160000 | CH20M6 BC 4P-4P BK 1 1261494 | \$.21 |

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| 2771170000 | CH20M6 BC 4P-4P BUS TGY 1 1293806 | S.21 | 2826950000 | FC20 PN/16A S1 B BX | G.21 | 3021340000 | B2CF 3.50/22/180ZE SN OR BX | I.13 | 8000078334 | MPS 7S/08 S TN B B | B.18 |
| 2771180000 | CH20M6 BC 4P-4P GY 1 1261516 | S.21 | 2826960000 | FC50 PN/16A S1 B BX | G.21 | 3021350000 | B2CF 3.50/24/180ZE SN OR BX | I.13 | 8000078335 | | B.20 |
| 2771190000 | CH20M6 BC 4P-4P RD 1 1261515 | S.21 | 2826970000 | FC10 TN/16A S1 B BX | G.23 | | | | 8000078336 | | B.20 |
| 2771200000 2771210000 | CH20M6 BC 4P-4P TGY 1 1293806 CH20M6 BC 4P-4P AGY 1 1293807 | S.21 S.21 | 2826980000 2826990000 | FC20 TN/16A S1 B BX FC50 TN/16A S1 B BX | G.23 G.23 | 4010 | 000000 | | 8000078337 8000078338 | | B.20 B.20 |
| 2771220000 | CH20M6 BC 4P-4P BUS AGY 1 1293807 | S.21 | 2827000000 | FC10 PN/20A S1 B BX | G.21 | 4010870000 | PF RS 100 GR 2000MM | S.54 | 8000078339 | | B.20 |
| 2771400000 | CH20M6 BP 4P-4P BUS TGY LF 1 1293806 | S.20 | 2827010000 | FC20 PN/20A S1 B BX | G.21 | 4011200000 | | \$.50 | 8000078340 | | B.20 |
| 2771410000 | CH20M6 BP 4P-4P BUS RD LF 1 1261515 | S.20 | 2827020000 | FC50 PN/20A S1 B BX | G.21 | 4011200000 | <u> </u> | S.52 | 8000078341 | | B.20 |
| 2771420000 2771430000 | CH20M6 BP 4P-4P BUS AGY LF 1 1293807 CH20M6 BP 4P-4P BUS BK LF 1 1261494 | S.20 S.20 | 2827030000 2827040000 | FC10 TN/20A S1 B BX FC20 TN/20A S1 B BX | G.23 G.23 | 4011200000 | LKSC M2,9x13VZ PTSC KB40X14 | S.53 S.54 | 8000078342 8000078343 | | B.20 B.20 |
| 2771440000 | | S.20 | 2827050000 | FC50 TN/20A S1 B BX | G.23 | 4013420000 | 1130 0040014 | 0.04 | 8000078344 | | B.21 |
| 2771450000 | | S.20 | 2827060000 | FC10 PN/26A S1 B BX | G.21 | ፈበ2በ | 000000 | | 8000078345 | MPS 7S/03-5/02 S TN B B | B.21 |
| 2771460000 | CH20M6 BP 4P-4P GY LF 1 1261516 | S.20 | 2827070000 | FC20 PN/26A S1 B BX | G.21 | | | | 8000078346 | | B.21 |
| 2771470000 2771480000 | CH20M6 BP 4P-4P BK LF 1 1261494 CH20M6 BP 4P-4P TGY LF 1 1293806 | S.20 S.20 | 2827080000 2827090000 | FC50 PN/26A S1 B BX FC10 TN/26A S1 B BX | G.21 G.23 | 4027750000 | PF RS 45 GR 2000MM | \$.50 | 8000078347 8000078348 | | B.21 B.21 |
| 2771490000 | | S.20 | 2827100000 | FC20 TN/26A S1 B BX | G.23 | // UE | 000000 | | 8000078349 | | B.21 |
| 2774540000 | | F.93 | 2827110000 | FC50 TN/26A S1 B BX | G.23 | 4030 | JUUUUUU | | 8000078350 | MPS 7S/02-5/04 S TN B B | B.21 |
| 2774550000 | LMF 7.50/03/180 3.5SN OR BX | F.93 | 2827120000 | FC10 PN/32A S1 B BX | G.21 | | PF RS 90 GR 2000MM | S.53 | 8000078351 | | B.21 |
| 2774560000 2774570000 | LMF 7.50/04/180 3.5SN OR BX LMF 7.50/05/180 3.5SN OR BX | F.93 F.93 | 2827130000 2827140000 | FC20 PN/32A S1 B BX FC50 PN/32A S1 B BX | G.21 G.21 | 4053240000 | PF RS 90 OR 2000MM | S.53 | 8000078352 8000078353 | | B.21 B.19 |
| 2774580000 | | F.93 | 2827150000 | FC10 TN/32A S1 B BX | G.23 | /11/1 | 000000 | | 8000078354 | | B.19 |
| 2774590000 | LMF 7.50/07/180 3.5SN OR BX | F.93 | 2827160000 | FC20 TN/32A S1 B BX | G.23 | | | | 8000078355 | | B.19 |
| 2774600000 | | F.93 | 2827170000 | FC50 TN/32A S1 B BX | G.23 | 4144870000 | PF RS 100 OR 2000MM | S.54 | 8000078356 | | B.19 |
| 2774610000 2774620000 | LMF 7.50/09/180 3.5SN OR BX LMF 7.50/10/180 3.5SN OR BX | F.93 F.93 | 2827180000 2827190000 | FC10 PN/40A S1 B BX FC20 PN/40A S1 B BX | G.21 G.21 | // 1 E C | 000000 | | 8000078357 8000078358 | | B.19 B.19 |
| 2774630000 | | F.93 | 2827200000 | FC50 PN/40A S1 B BX | G.21 | 4150 | 000000 | | 8000078359 | | B.19 |
| 2774640000 | | F.93 | 2827210000 | FC10 TN/40A S1 B BX | G.23 | 4157440000 | PF RS 80 OR 2000MM | \$.52 | 8000085192 | MHS 7S/03-5/02 D11 HT3 BT | B.25 |
| 2774760000 | LMFS 7.50/02/180 3.5SN OR BX | F.93 | 2827220000 | FC20 TN/40A S1 B BX | G.23 | | | - | 8000085260 | | B.25 |
| 2774770000 2774780000 | LMFS 7.50/03/180 3.5SN OR BX LMFS 7.50/04/180 3.5SN OR BX | F.93 F.93 | 2827230000 2827240000 | FC50 TN/40A S1 B BX FC10 PN/50A S1 B BX | G.23 G.21 | 4160 | 000000 | | 8000085261 8000085263 | | B.25 B.25 |
| 2774790000 | LMFS 7.50/04/180 3.55N OR BX | F.93 | 2827250000 | FC20 PN/50A S1 B BX | G.21 | 4167150000 | | S.52 | 8000085268 | | B.25 B.26 |
| 2774800000 | LMFS 7.50/06/180 3.5SN OR BX | F.93 | 2827260000 | FC50 PN/50A S1 B BX | G.21 | 4167160000 | | \$.52 | 8000085269 | MPS 7S/04-5/02 D11 S TN B B | B.26 |
| 2774810000 | LMFS 7.50/07/180 3.5SN OR BX | F.93 | 2827270000 | FC10 TN/50A S1 B BX | G.23 | 4169320000 | | \$.54 | 8000085270 | | B.26 |
| 2774820000 2774830000 | | F.93 F.93 | 2827280000 2827290000 | FC20 TN/50A S1 B BX FC50 TN/50A S1 B BX | G.23 G.23 | 4169330000 | ADP 11 | S.54 | 8000085271 | MPS 7S/04-5/04 D11 S TN B B | B.26 |
| 2774840000 | | F.93 | 2827300000 | FC10 PN/68A S1 B BX | G.21 | // 1 O f | 0000000 | | 01// | 000000 | |
| 2774850000 | LMFS 7.50/11/180 3.5SN OR BX | F.93 | 2827310000 | FC20 PN/68A S1 B BX | G.21 | 4100 | JUUUUUU | | 0 140 | JUUUUUU | |
| 2774860000 | LMFS 7.50/12/180 3.5SN OR BX | F.93 | 2827320000 | FC50 PN/68A S1 B BX | G.21 | 4183130000 | PF RS 80 GR 2000MM | \$.52 | | AP 45/RE DI GR | \$.50 |
| 0700 | 000000 | | 2827330000 2827340000 | FC10 TN/68A S1 B BX FC20 TN/68A S1 B BX | G.23 | 4046 | 000000 | | 8140870000 | | S.50 |
| 2/80 | 000000 | | 2827350000 | FC50 TN/68A S1 B BX | G.23 G.23 | 4341 | 000000 | | | AP 45/RE GR 2025 AP 45/LI GR 2025 | S.50 S.50 |
| 2786530000 | LMFV 5.00/02/90 3.5SN OR BX | F.94 | 2827360000 | FC10 PN/80A S1 B BX | G.21 | 4340430000 | PF RS 45 OR 2000MM | \$.50 | | | |
| 2786540000 | | F.94 | 2827370000 | FC20 PN/80A S1 B BX | G.21 | 4347570000 | PF RS 100 GN 2000MM | \$.54 | 8150 | 000000 | |
| 2786550000 | | F.94 | 2827380000 | FC50 PN/80A S1 B BX | G.21 | 4056 | 000000 | | | | 0.52 |
| 2786560000 2786570000 | | F.94 F.94 | 2827390000 2827400000 | FC10 TN/80A S1 B BX FC20 TN/80A S1 B BX | G.23 G.23 | 4350 | 000000 | | | AP RF 80 RE 2025 AP RF 80 LI 2025 | S.52 S.52 |
| 2786580000 | | F.94 | | FC50 TN/80A S1 B BX | G.23 | 4352940000 | PF RS 100 BK 2000MM | \$.54 | 0100210000 | 711 111 00 21 2320 | |
| 2786590000 | | F.94 | | | | | | | 8320 | 000000 | |
| 2786600000 2786620000 | LMFV 5.00/09/90 3.5SN OR BX LMFV 5.00/10/90 3.5SN OR BX | F.94 F.94 | 2860 | 1000000 | | 8000 |)000000 | | 8320300000 | | S.52 |
| 2786630000 | LMFV 5.00/10/90 3.55N OR BX | F.94 | 2861260000 | IF-BI-SPO-C | C.17 | | MHS 5/02 V T3 B T | B.11 | 8320300000 | AP 80 GR | 5.52 |
| 2786640000 | | F.94 | 2001200000 | 12 51 61 6 6 | 0.17 | | MHS 5/03 V T3 B T | B.11 | 8380 | 000000 | |
| 2786690000 | | F.94 | 2870 | 1000000 | | 8000072431 | | B.11 | | | |
| 2787570000 2787580000 | LMFV 7.50/02/90 3.5SN OR BX LMFV 7.50/03/90 3.5SN OR BX | F.95 F.95 | | | C.16 | 8000072435 8000072438 | | B.11 B.11 | 8389030000 | AP MCZ1.5 1674 | S.45 |
| 2787590000 | | F.95 | | IE-TO-SPO-C-LP IE-FCM-SPO-C | C.15 | | MHS 5/07 V T3 B T | B.11 | 0/150 | 2000000 | |
| 2787600000 | LMFV 7.50/05/90 3.5SN OR BX | F.95 | | | | 8000072453 | MHS 5/08 V T3 B T | B.11 | 0431 | 000000 | |
| 2787610000 | LMFV 7.50/06/90 3.5SN OR BX | F.95 | 2910 | 000000 | | 8000072454 | | B.11 | 8453040000 | RF RS 70 RE/A5/0.SG | S.51 |
| 2787620000 2787630000 | LMFV 7.50/07/90 3.5SN OR BX LMFV 7.50/08/90 3.5SN OR BX | F.95 F.95 | | MTS 5/02 HT4 BT | B.28 | 8000072456 8000072461 | | B.11 B.11 | 0046 | 200000 | |
| | LMFV 7.50/09/90 3.5SN OR BX | F.95 | | MTS 5/03 H T4 B T | B.28 | | MHS 5/12 V T3 B T | B.11 | וושש | 000000 | |
| | LMFV 7.50/10/90 3.5SN OR BX | F.95 | 2913620000 | MTS 5/04 H T4 B T | B.28 | 8000072497 | MHS 5/02 W T3 B T | B.12 | 8817790000 | AP 100 D GR | \$.54 |
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| 2/8/6/0000 | LMFV 7.50/12/90 3.5SN OR BX | F.95 | 2913640000 2913650000 | MTS 5/06 H T4 B T MTS 5/07 H T4 B T | B.28 B.28 | | MHS 5/04 W T3 B T MHS 5/05 W T3 B T | B.12 B.12 | 885(| 000000 | |
| 2700 | 000000 | | 2913660000 | MTS 5/08 H T4 B T | B.28 | | MHS 5/06 W T3 B T | B.12 | 8857560000 | MCZ 5 | S.45 |
| 2/30 | JUUUUUU | | 2913670000 | MTS 5/09 H T4 B T | B.28 | 8000072510 | MHS 5/07 W T3 B T | B.12 | | | |
| | IE-PCB-SPM-P-90-THR | C.21 | 2913680000 | MTS 5/10 H T4 B T | B.28 | 8000072511 | | B.12 | 9000 | 000000 | |
| 2795110000 2795120000 | | C.21 C.18 | 2913690000 2913700000 | MTS 5/11 H T4 B T MTS 5/12 H T4 B T | B.28 B.28 | | MHS 5/09 W T3 B T MHS 5/10 W T3 B T | B.12 B.12 | | DW RSV 1.6 | L.14 |
| | IE-PCB-SPE-P-180V2.1-THR RL | C.19 | 2913710000 | MTS 5/02 V T4 B T | B.29 | | MHS 5/11 W T3 B T | B.12 | | DW RSV 1.6 | M.14 |
| | | | 2913720000 | MTS 5/03 V T4 B T | B.29 | 8000072515 | MHS 5/12 W T3 B T | B.12 | 9004590000 | H0,5/14S W | K.46 |
| 2810 | 000000 | | 2913730000 | MTS 5/04 V T4 B T | B.29 | | MHS 7S/02 HT3 BT | B.15 | | H0,5/14S W | K.48 |
| 2812290000 | | 0.76 | 2913740000 2913750000 | MTS 5/05 V T4 B T MTS 5/06 V T4 B T | B.29 B.29 | | MHS 7S/03 H T3 B T MHS 7S/04 H T3 B T | B.15 B.15 | | H0,5/14S W H0,5/14S W | K.84 K.88 |
| 2812290000 | | 0.78 | 2913760000 | MTS 5/07 V T4 B T | B.29 | | MHS 75/05 HT3 BT | B.15 | | H0,5/14S W | K.94 |
| 2812290000 | | 0.210 | 2913770000 | MTS 5/08 V T4 B T | B.29 | 8000078311 | MHS 7S/06 HT3 BT | B.15 | 9004590000 | H0,5/14S W | K.108 |
| 2812290000 | | 0.212 | 2913780000 | MTS 5/09 V T4 B T | B.29 | 8000078312 | | B.15 | | H0,5/14S W | K.110 |
| 2812290000 2812290000 | | 0.214 | 2913790000 2913800000 | MTS 5/10 V T4 B T MTS 5/11 V T4 B T | B.29 B.29 | | MHS 7S/08 HT3 BT MHS 7S/02 VT3 BT | B.15 B.16 | | H0,5/14S W H0,5/14S W | K.112 K.114 |
| 2812290000 | | 0.218 | | MTS 5/12 V T4 B T | B.29 | | MHS 7S/03 V T3 B T | B.16 | 9005990000 | | 1.12 |
| 2812340000 | SU 10.16 BFSC P 35X 14 | 0.76 | | | | 8000078316 | MHS 7S/04 V T3 B T | B.16 | 9005990000 | PZ 1.5 | I.18 |
| 2812340000 | | 0.78 | 2920 | 000000 | | | MHS 7S/05 V T3 B T | B.16 | 9005990000 | | 1.54 |
| 2812340000 2812340000 | | 0.210 | | IE-S1DS2UE-500 | C.11 | | MHS 7S/06 V T3 B T MHS 7S/07 V T3 B T | B.16 | 9005990000 | | 1.56 |
| 2812340000 | | 0.212 | | IE-S1DS2LE-500 | C.11 | | MHS 7S/08 V T3 B T | B.16 B.16 | 9005990000 | | 1.58 |
| 2812340000 | | 0.216 | | IE-S1ES2UE-500 | C.12 | | MHS 7S/02 W T3 B T | B.17 | 9005990000 | | J.54 |
| 2812340000 | | 0.218 | 2924370000 | IE-S1ES2LE-500 | C.12 | | MHS 7S/03 W T3 B T | B.17 | 9005990000 | PZ 1.5 | J.56 |
| 2814400000 | IE-AD-SP0-P-SPM-P-90 | C.14 | 2000 | 00000 | | | MHS 7S/04 W T3 B T MHS 7S/05 W T3 B T | B.17 B.17 | 0044 | 000000 | |
| 2020 | 000000 | | ZYXL | 1000000 | | | MHS 7S/06 W T3 B T | B.17 B.17 | ยบไไ | 000000 | |
| | | | | USB3.1C S1V DN1 RL | E.7 | 8000078326 | MHS 7S/07 W T3 B T | B.17 | 9011460000 | | I.12 |
| | FC10 PN/12A S1 B BX | G.21 | 2987560000 | USB3.1C S1H DN1 RL | E.6 | | MHS 7S/08 W T3 B T | B.17 | 9011460000 | | I.18 |
| | FC20 PN/12A S1 B BX FC50 PN/12A S1 B BX | G.21 G.21 | 2000 | 00000 | | | MPS 7S/02 S TN B B MPS 7S/03 S TN B B | B.18 B.18 | 9011460000 | | 1.54 |
| 2826910000 | | G.23 | 3UZL | 1000000 | | | MPS 7S/04 S TN B B | B.18 B.18 | 9011460000 | | 1.56 |
| 2826920000 | FC20 TN/12A S1 B BX | G.23 | | B2CF 3.50/16/180ZE SN OR BX | I.13 | 8000078331 | MPS 7S/05 S TN B B | B.18 | 9011460000 | PZ 6/5 | 1.60 |
| | FC50 TN/12A S1 B BX | G.23 | 3021310000 | B2CF 3.50/18/180ZE SN OR BX | I.13 | | MPS 7S/06 S TN B B | B.18 | 9011460000 | | J.54 |
| 2826940000 | FC10 PN/16A S1 B BX | G.21 | 3021330000 | B2CF 3.50/20/180ZE SN OR BX | I.13 | 8000078333 | MPS 7S/07 S TN B B | B.18 | 9011460000 | PZ 6/5 | J.56 |
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| 9994140000 | LM 5.08/05/90 3.5SN OR BX | F.26 |
| 9994150000 | LM 5.08/06/90 3.5SN OR BX | F.26 |
| 9994160000 | LM 5.08/07/90 3.5SN OR BX | F.26 |
| 9994170000 | LM 5.08/08/90 3.5SN OR BX | F.26 |
| 9994180000 | LM 5.08/09/90 3.5SN OR BX | F.26 |
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| 9995050000 | LM 5.08/12/180 3.5SN OR BX | F.27 |

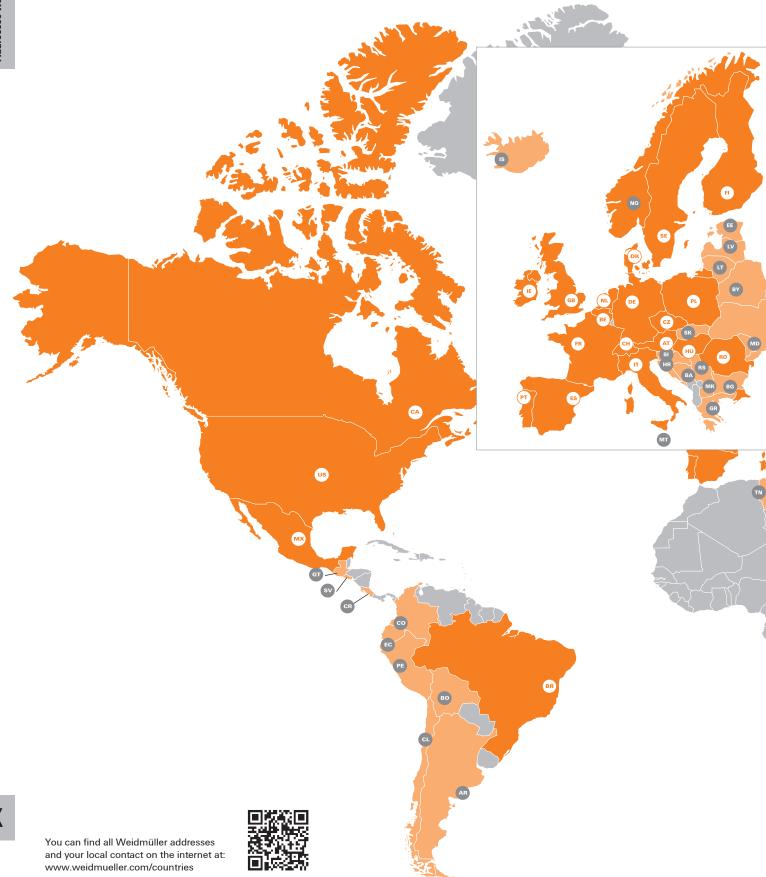


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