Technical Data

Rev.

Material data		
Insulation material type		LCP GF
Insulation material colours		black
Insulation material flammability class	UL94	V-0
Insulation resistance	MOhm	10^5
Contact base material		CuSn
Contact plating (mating end)		tin plated
Contact plating (solder end)		tin plated

System characteristic values	together with counterpart	BLZ 5.00	
Pitch **P**	mm/inch	5.00/0.197	
Number of rows		2	
Dielectric strength (r.m.s withstand voltage)	kV	4	
Mechanical operating cycles	acc. to IEC 512	25	
Plug in force (max.)	N/pole	n.a.	
Pull out force (max.)	N/pole	n.a.	
Through resistance (typical)	mOhm	<5	
Operating temperature range	°C	-55...+100	1)
Degree of protection acc. to VDE 0106 (plugged/unplugged)		back of hands	7)
Degree of protection acc. to DIN EN 60529 (plugged/unplugged)		IP10	8)
Solder pin length **L**	mm/inch	3.2/0.126 ; 1.5/0.059	
PCB hole diameter **D** (wave soldering)	mm/inch	1.4/0.055	2)
PCB hole diameter **D** (reflow soldering)	mm/inch	1.5/0.059	3)
Resistance to soldering heat acc. to DIN IEC 60512-6	°C/sec	260/5	4)
Resistance to soldering heat acc. to EN 61760-1	°C/sec	290/30	5)
Solderability classification acc. to EN 61760-1		class A	
Solder connection type		through hole solder	
Solder pin diameter **d** (max.)	mm/inch	1.2/0.047	

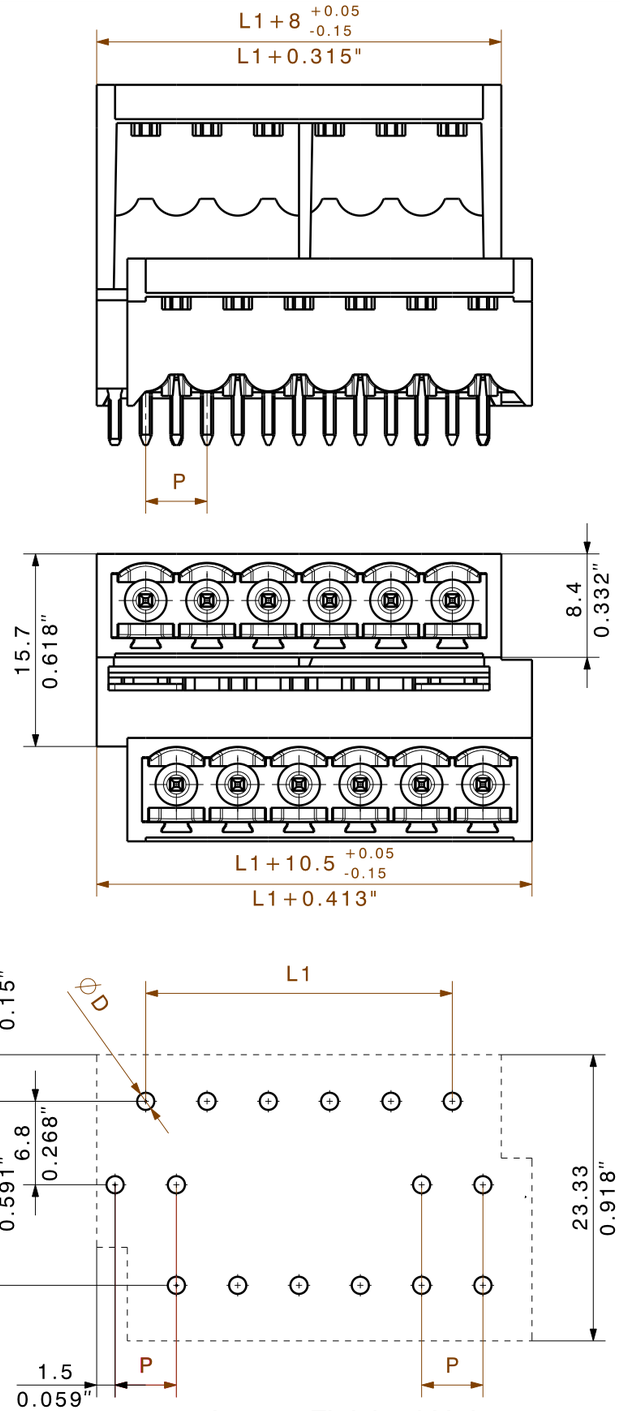
Application notes		
Coding possibility	yes/no	yes
Joinable without loss of pitch	yes/no	n.a.
Manual assembly of modules	yes/no	n.a.
Max. number of poles	n	48

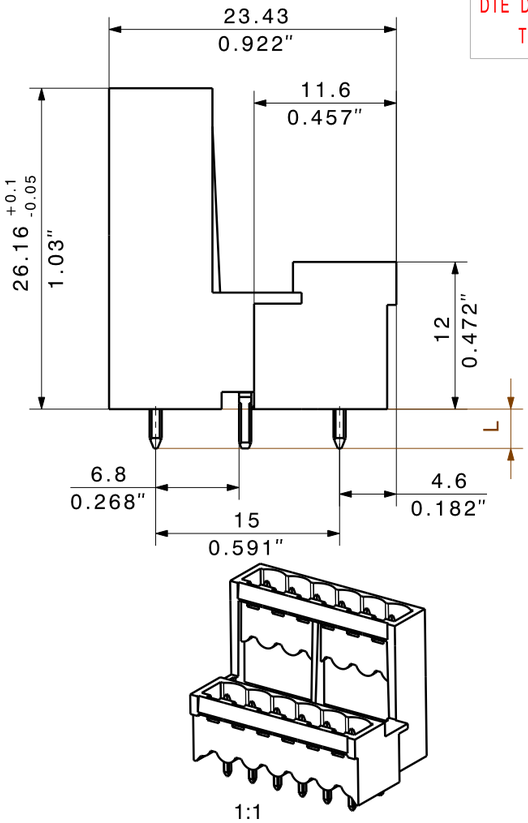
IEC 664-1 / VDE0110 (4.97) rated data					
Rated cross section acc. to EN 60999	mm^2	n.a.			
Rated current @ 20°C ambient (together with)	A	18.6			6)
Rated current @ 40°C ambient (together with)	A	16.1			6)
Overvoltage category / Pollution degree		**III/3**	**III/2**	**II/2**	
Rated voltage	V	250	320	400	
Rated impulse voltage	kV	4.0	4.0	4.0	

UL 1059 rated data **File No.: E60693**		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG wire range (field wiring / factory wiring)		n.a.		

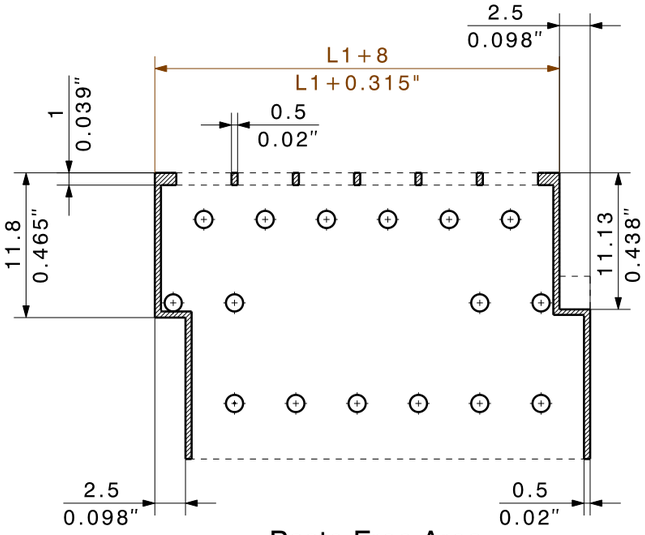
CSA C22.2 rated data **File No.: 12400** (old) **ReportNo.: 1308147** (new)		**B**	**C**	**D**
Rated voltage	V	300		300
Rated current	A	10		10
AWG wire range (field wiring / factory wiring)		n.a.		

Packaging	carton
Downloads	www.weidmueller.de





Layout Finished Holes



Paste-Free Area

n	L1 [mm]	L1 [inch]
48	115,00	4,53
46	110,00	4,33
44	105,00	4,13
42	100,00	3,94
40	95,00	3,74
38	90,00	3,54
36	85,00	3,35
34	80,00	3,15
32	75,00	2,95
30	70,00	2,76
28	65,00	2,56
26	60,00	2,36
24	55,00	2,17
22	50,00	1,97
20	45,00	1,77
18	40,00	1,57
16	35,00	1,38
14	30,00	1,18
12	25,00	0,98
10	20,00	0,79
8	15,00	0,59
6	10,00	0,39
4	5,00	0,20

1) Sum of ambient temperature and temperature rise
2) Recommendation for manual assembly
3) Recommendation for automatic assembly
4) Recommendation for wave soldering
5) Recommendation for reflow soldering
6) Referred to rated cross section and minimum pole number
7) Fingersafe above PC-board, if plugged with BLZ
8) IP20 above PC-board, if plugged with BLZ

n.a. = not applicable

Subject to technical changes

RoHS ☑

37601/5
07.09.07 HERTEL_S 01
MODIFICATION

CAT.NO.:.

Weidmüller

C 36146 05
DRAWING NO. ISSUE NO.
SHEET 5 OF 6 SHEETS

	DATE	NAME
DRAWN	04.08.2004	HERTEL_S
RESPONSIBLE		HERTEL_S
CHECKED	13.09.2007	HERTEL_S
APPROVED		GUENTHER_W

SCALE: 2:1
SUPERSEDES:
SUPERSEDED BY:.

SLDV-THR 5.00/../180GLF
SMT Doppelstock-Stiftleiste
SMT double level pin header

PRODUCT FILE: SLDV-THR 5.08 None