



# Certificate of Compliance

**Certificate:** 70153051

**Master Contract:** 200039

**Project:** 70153051

**Date Issued:** 2017-09-27

**Issued to:** Weidmüller Interface GmbH & Co. KG  
Klingenbergstrasse 16  
32758 Detmold  
GERMANY  
**Attention:** Mr. Jochen Reese

*The products listed below are eligible to bear the CSA Mark shown*



Issued by: Michael Janker  
*Michael Janker*

## PRODUCTS

CLASS 6228 01 – WIRE CONNECTING DEVICES – Terminal Assemblies

Terminal block series with spring forces, for use with solid and stranded insulated copper conductors, Cat. No. **BHF**, followed by 5.00, followed by /02, /03 or /04, followed by /180 or blank, followed by LH or blank, followed by XX/XX. Denoting color combination.

Component Terminal Block pin header series, Cat. No. **SHL**, followed by SMT, followed by 5.00, followed by /02, /03 or /04, followed by GR or GL followed by 1.5..5.9 .

Catalogue #	Voltage [V]	Group	Current [A]	Wire range [AWG]	Torque [Nm]	Strip length [mm]	Remarks
SHL-SMT	300	B, D	9	---	---	---	Cu,
5.0	50	C	9				Factory wiring only
BHF 5.0	300	B, D	10	20-14	---	10	Solid/Stranded, Cu,
	50, 150	C	10	20-14	---	10	Factory and field wiring only



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**Notes:**

1. Certified for use in other equipment where the acceptability of the combination is to be determined by CSA Group or another NRTL.
2. Terminal blocks specified for Group Designation D shall be used only in or with industrial control equipment where the load on any single circuit of the terminal block does not exceed 15 A at 51-150 V, 10 A at 151-300 V, 5 A at 301-600 V, or the max current rating, whichever is less.
3. The spacing, specified under construction details, shall be maintained between uninsulated live parts of opposite polarity; and between and uninsulated live part and a grounded part including any mounting surface or exposed metal part.

**APPLICABLE REQUIREMENTS**

CSA C22.2 No. 0 - 10

- General Requirements Canadian Electrical Code, Part II

CSA C22.2 No. 158 - 10

- Terminal Blocks

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### Conditions of Acceptability:

1.

#### Insulation materials

The following materials are used, see description for details:

id	Type designation	Manufacturer	UL file no.	CTI [V]	Thickness [mm]	Flame Class	RTI °C] Elec/Str
1	Wellamid 6600-PA66-HWV0CP	CP-Polymer-Technik	E63957	600 and greater	0.4	V-2	130/120
2	6140L	CELANESE INTERNATIONAL CORP	E344082	175 through 249	0.4	V-0	130/130
3	A63 V0GV	Nilit Plastics Europe GmbH & Co KG	E86034	600 and greater	0.75	V-0	130/130
4	Grilon XE5017	EMS-CHEMIE AG	E53898	600 and greater	0.8	V-0	120/140

2.

These terminal blocks consist of a construction that exposes the live screw underneath the terminal block. Spacings were not measured from the bottom of the screw to the terminal block-mounting surface, since the terminal block is intended to be mounted to a circuit board (utilizes solder post). Spacing measurements are recommended as part of the end product investigation, if the terminal is mounted to a surface other than a printed circuit or if printed circuit board traces are routed under the terminal block.

3.

For a 2 piece terminal block, a header having a voltage rating less than the detachable terminal block, may be used at the higher voltage when subjected to a suitable evaluation for the higher voltage in the end-use investigation.

4.

Terminal block type BHF 5.00 and Header SHL – SMT 5.00 are intended to be used with the housing types CH20M12, CH20M17, CH20M22 and CH20M45 as a part of a system. The housings CH20M12, CH20M17, CH20M22 and CH20M45 are intended by the manufacturer to be used for UL508 applications. The plastic material fulfills the requirements for direct support of uninsulated live parts according table 15.1 of the standard UL 508 in the areas capped by the intended PWB-contour and has a minimum thickness of 1.2 mm in these areas with a related RTI Elec of 120. The suitability of the housings shall be judged in the end-use application.



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70153051	2017-09-27	Original Certification of springe force terminal blocks BHF 5.00 (acceptance of test data, without testing). To requirements of CSA No. 158-10, classes 6228-01.