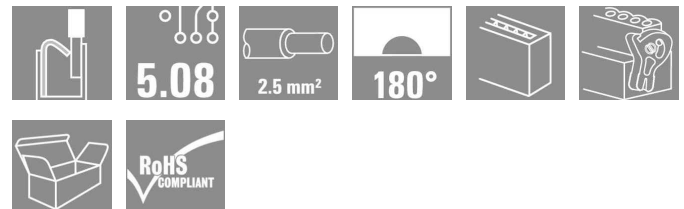


## OMNIMATE Signal - series BL/SL 5.08 BLDF 5.08/02/180LR SN BK BX

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



The powerful daisy-chain solution for high-performance signal bus applications is also suitable for 400V auxiliary power chains with 18.5 A current-carrying capacity. The large clamping capacity (up to 2.5mm<sup>2</sup> wire cross-sections) is particularly beneficial for long bus cables or high currents because of the low voltage drop. Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.

**Specifications:**

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC)
- 18.5 A (IEC)

**General ordering data**

Type	BLDF 5.08/02/180LR SN BK BX
Order No.	<a href="#">1001010000</a>
Version	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box
GTIN (EAN)	4032248817542
Qty.	60 pc(s).
Product data	IEC: 400 V / 20.8 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 12 - AWG 26
Packaging	Box

Erstellungs-Datum December 12, 2013 11:26:32 AM CET

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## Technische Daten

### Dimensions and weights

Net weight 7.99 g

### System parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Wire connection method	PUSH IN spring connection
Conductor outlet direction	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	2
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Stripping length	10 mm	L1 in mm	5.08 mm
L1 in inches	0.2 inch	Touch-safe protection acc. to DIN VDE 0470	IP 20
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		

### Material data

Insulating material	PBT	Colour	Black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned		

### Connectable conductors

Clamping range, rated connection, min.	0.13 mm <sup>2</sup>	Clamping range, rated connection, max.	3.31 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.0 mm		

### DIN IEC rating data


Rated current, min. no. of poles (Tu=20°C)	20.8 A	Rated current, max. no. of poles (Tu=20°C)	17.4 A
Rated current, number of poles (Tu=40°C), min	17.9 A	Rated current, number of poles (Tu=40°C), max.	14.9 A
Rated voltage for surge voltage class pollution degree II/2	400 V	Rated voltage for surge voltage class pollution degree III/2	320 V
Rated voltage for surge voltage class pollution degree III/3	250 V	Rated impulse voltage for surge voltage class pollution degree II/2	4 kV
Rated impulse voltage for surge voltage class pollution degree III/2	4 kV	Rated impulse voltage for surge voltage class contamination degree III/3	4 kV
Short-time withstand current resistance	3 x 1s with 120 A		

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**Technische Daten**

**CSA rating data**

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	10 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A	Wire cross-section, AWG, min.	AWG 12
Wire cross-section, AWG, max.	AWG 26		

**UL 1059 rating data**

Rated voltage (use group B)	300 V	Rated current (use group B)	10 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A
Wire cross-section, AWG, min.	AWG 12	Wire cross-section, AWG, max.	AWG 26

**Cross-connector rated data according to DIN IEC**

Rated current cross-connector, min. number of poles (Tu=20°C)	28.1 A	Rated current cross-connector, max. number of poles (Tu=20°C)	23.3 A
Rated current cross-connector, min. number of poles (Tu=40°C)	24.2 A	Rated current cross-connector, max. number of poles (Tu=40°C)	19.9 A

**Classifications**

eClass 6.2	27-26-07-04	eClass 7.1	27-44-04-02
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**Notes**

- Notes
- Additional colours 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

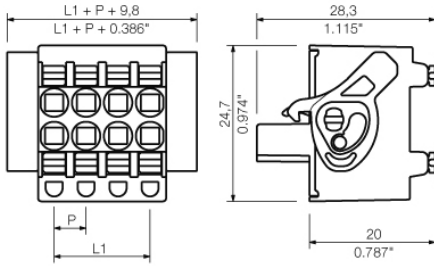
**Approvals**

Approvals	
ROHS	Conform

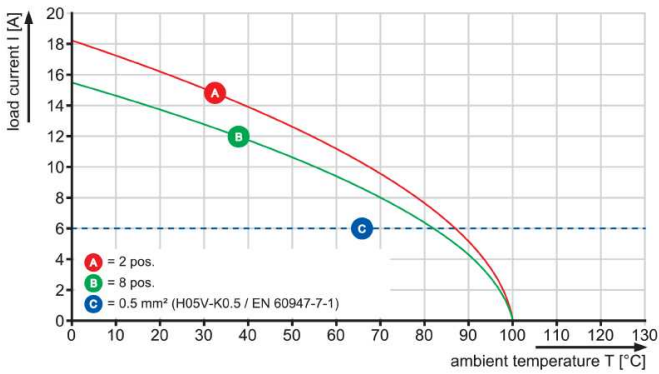
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**Zeichnungen**



BLDF 5.08/180 - SL 5.08HC/..90



BLDF 5.08/180 - SL 5.08HC/..90

