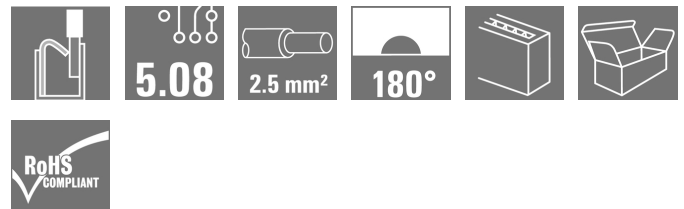
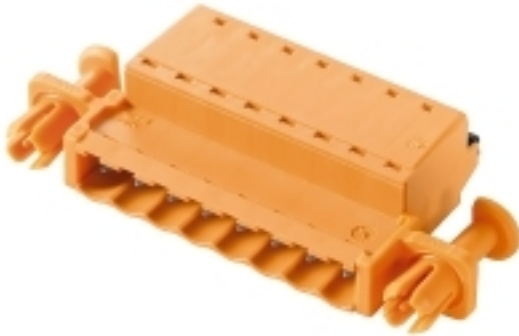


**OMNIMATE Signal - series BL/SL 5.08  
SLF 5.08/08/180DF SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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**Product image**


Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through. The male plugs provide space for labelling and can be coded.

**General ordering data**

Type	SLF 5.08/08/180DF SN OR BX
Order No.	<a href="#">1353650000</a>
Version	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 8, 180°, PUSH IN, Tension-clamp connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Box
GTIN (EAN)	4050118156379
Qty.	24 pc(s).
Product data	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 14 A / AWG 26 - AWG 12
Packaging	Box

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**Technical data****Dimensions and weights**

Height	14.2 mm	Height (inches)	0.559 inch
Depth	31 mm	Depth (inches)	1.22 inch
Net weight	18.917 g		

**system parameters**

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Field connection
Wire connection method	PUSH IN, Tension-clamp connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	Conductor outlet direction	180°
No. of poles	8	L1 in mm	35.56 mm
L1 in inches	1.4 inch	Pin series quantity	1
Rated cross-section	2.5 mm <sup>2</sup>	Touch-safe protection acc. to DIN VDE 57 106	finger-safe plugged/ back-of-hand-safe unplugged
Volume resistance	4.50 mΩ	Can be coded	Yes
Stripping length	10 mm	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264	Plugging cycles	25
Plugging force/pole, max.	7 N	Pulling force/pole, max.	5.5 N

**Material data**

Insulating material	PBT	Colour	orange
Colour of operational elements	black	Colour chart (similar)	RAL 2000
Insulation strength	≥ 10 <sup>8</sup> Ω	UL 94 flammability rating	V-0
GWFI	960 °C	Contact material	CuSn
Contact surface	tinned	Layer structure of plug contact	4-8 μm Sn hot-dip tinned
Storage temperature, min.	-25 °C	Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C		

**Conductors suitable for connection**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, 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. plastic collar ferrule, DIN 46228 pt 4, 0.2 mm <sup>2</sup> min.	
w. plastic collar ferrule, DIN 46228 pt 4, 2.5 mm <sup>2</sup> max.	
w. wire end ferrule, DIN 46228 pt 1, min 0.2 mm <sup>2</sup>	
w. wire end ferrule, DIN 46228 pt 1, 2.5 mm <sup>2</sup> max.	
Plug gauge in accordance with EN 60999 a x b; ø	2.8 mm x 2.0 mm

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**Technical data**

Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	0.5 mm <sup>2</sup>
AEH	Cross-section for conductor connection	Stripping length	nominal 12 mm
		Stripping length	nominal 10 mm
Cross-section for conductor connection	Cross-section for conductor connection	Type	fine-wired
		nominal	0.75 mm <sup>2</sup>
AEH	Cross-section for conductor connection	Stripping length	nominal 12 mm
		Stripping length	nominal 10 mm
Cross-section for conductor connection	Cross-section for conductor connection	Type	fine-wired
		nominal	1 mm <sup>2</sup>
AEH	Cross-section for conductor connection	Stripping length	nominal 12 mm
		Stripping length	nominal 10 mm
Cross-section for conductor connection	Cross-section for conductor connection	Type	fine-wired
		nominal	1.5 mm <sup>2</sup>
AEH	Cross-section for conductor connection	Stripping length	nominal 10 mm
		Stripping length	nominal 12 mm
Cross-section for conductor connection	Cross-section for conductor connection	Type	fine-wired
		nominal	2.5 mm <sup>2</sup>
AEH	Stripping length	nominal	10 mm
Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P).		
Max. clamping range	3.31 mm <sup>2</sup>		


**Rated data acc. to IEC**

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. no. of poles (Tu=20°C)	25.9 A
Rated current, max. no. of poles (Tu=20°C)	21.7 A	Rated current, min. no. of poles (Tu=40°C)	22.5 A
Rated current, max. no. of poles (Tu=40°C)	18.5 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

**Rated data acc. to CSA**

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

**Rated data acc. to UL 1059**

Institute (cURus)		Certificate No. (cURus)	E60693
Rated voltage (Use group B / UL 1059)		300 V	Rated voltage (Use group D / UL 1059)
Rated current (Use group B / UL 1059)	14 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

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**Technical data**
**Packing**

Packaging	Box	VPE length	350 mm
VPE width	135 mm	VPE height	35 mm

**Classifications**

ETIM 4.0	EC002637	ETIM 5.0	EC002637
ETIM 6.0	EC002638	eClass 6.2	27-26-07-04
eClass 7.1	27-44-04-02	eClass 8.1	27-44-04-02
eClass 9.0	27-44-03-09	eClass 9.1	27-44-03-09

**Notes**

Notes	<ul style="list-style-type: none"> <li>• Additional colours on request</li> <li>• Gold-plated contact surfaces on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</li> <li>• P on drawing = pitch</li> </ul>
IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of the Manufacturer</a>
Brochure/Catalogue	<a href="#">FL DRIVES EN</a> <a href="#">MB DEVICE MANUF. EN</a> <a href="#">FL DRIVES DE</a> <a href="#">CAT 2 PORTFOLIOGUIDE EN</a> <a href="#">FL BUILDING SAFETY EN</a> <a href="#">FL APPL LED LIGHTING EN</a> <a href="#">FL INDUSTR.CONTROLS EN</a> <a href="#">FL MACHINE SAFETY EN</a> <a href="#">FL HEATING ELECTR EN</a> <a href="#">FL APPL INVERTER EN</a> <a href="#">FL_BASE_STATION_EN</a> <a href="#">FL ELEVATOR EN</a> <a href="#">FL POWER SUPPLY EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a>
White Paper wire connection	<a href="#">Download Whitepaper</a>

Creation date May 27, 2019 7:08:59 PM CEST

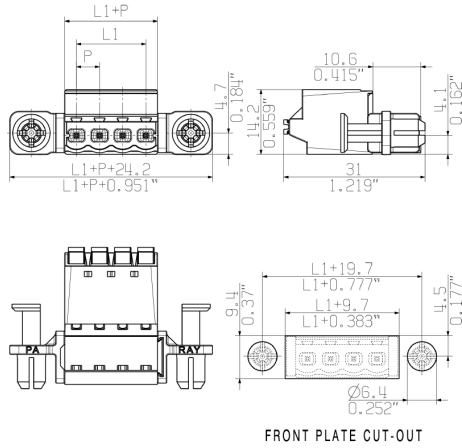
Catalogue status 23.05.2019 / We reserve the right to make technical changes.

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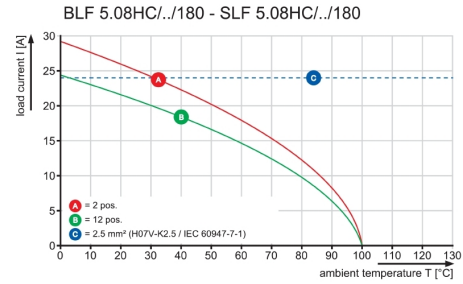
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**Drawings**

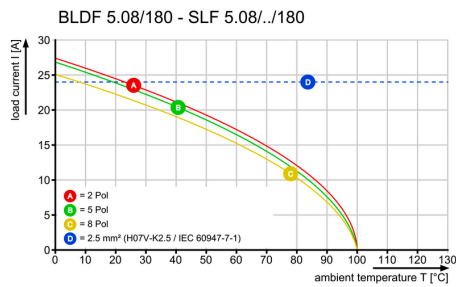
**Dimensional drawing**



**Graph**



**Graph**

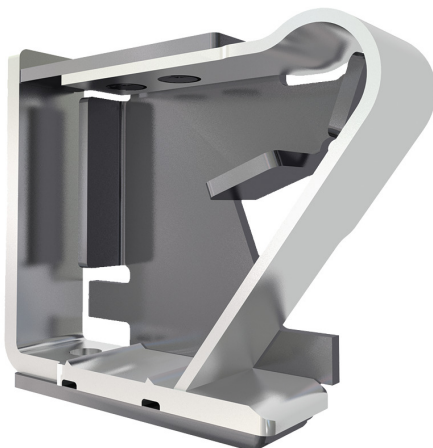


**Product benefits**



Uncompromising functionality  
High vibration resistance

**Product benefits**



Solid PUSH IN contact  
Safe and durable

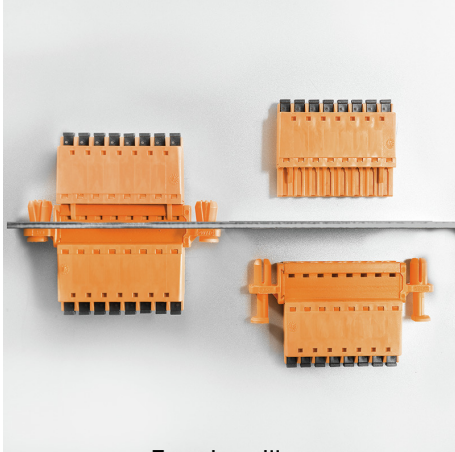
**Product benefits**



Lower assembly costs  
Secure in a matter of seconds

**Data sheet****OMNIMATE Signal - series BL/SL 5.08  
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**Drawings****Product benefits**

Easy handling  
No implementation framework necessary