SLF 5.08/04/180F SN BK BX PRT

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Similar to illustration

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

Version	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4, 180°, PUSH IN, Spring connection
Order No.	2541270000
Type	SLF 5.08/04/180F SN BK BX PRT
GTIN (EAN)	4050118553703
Qty.	60 pc(s).
Product data	IEC: / 25.9 A UL: 300 V / 14 A / AWG 26 - AWG 12

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Technical data

Dimensions and weights

Depth	30 mm	Depth (inches)	1.181 inch
Height	14.2 mm	Height (inches)	0.559 inch
Net weight	7.839 g		

System Parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Field connection
Wire connection method	PUSH IN, Spring connection	Pitch in mm (P)	5.08 mm
Conductor outlet direction	180°	Number of poles	4
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	finger-safe plugged/ back-of-hand-safe unplugged
Volume resistance	≤5 mΩ	Plugging cycles	25
Plugging force/pole, max.	7 N	Pulling force/pole, max.	5.5 N

Material data

Insulation strength	≥ 10^8 Ω	Contact material	CuSn
Contact surface	tinned	Layer structure of plug contact	4...8 µm Sn hot-dip tinned
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

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Conductors suitable for connection

Clampable conductor	Cross-section for conductor connection	Type		fine-wired
		nominal		0.5 mm²
	wire end ferrule	Stripping length	nominal	12 mm
		Recommended wire-end ferrule		H0,5/16 OR
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule		H0,5/10
	Cross-section for conductor connection	Type		fine-wired
		nominal		0.75 mm²
	wire end ferrule	Stripping length	nominal	12 mm
		Recommended wire-end ferrule		H0,75/16 W
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule		H0,75/10
	Cross-section for conductor connection	Type		fine-wired
		nominal		1 mm²
	wire end ferrule	Stripping length	nominal	12 mm
		Recommended wire-end ferrule		H1,0/16D R
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule		H1,0/10
	Cross-section for conductor connection	Type		fine-wired
		nominal		1.5 mm²
	wire end ferrule	Stripping length	nominal	10 mm
		Recommended wire-end ferrule		H1,5/10
		Stripping length	nominal	12 mm
		Recommended wire-end ferrule		H1,5/16 R
	Cross-section for conductor connection	Type		fine-wired
		nominal		2.5 mm²
	wire end ferrule	Stripping length	nominal	10 mm
		Recommended wire-end ferrule		H2,5/10

Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P), Length of ferrules is to be chosen depending on the product and the rated voltage.

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	25.9 A
Rated current, max. number of poles (Tu=20°C)	21.7 A	Rated current, min. number of poles (Tu=40°C)	22.5 A
Rated current, max. number of poles (Tu=40°C)	18.5 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

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Technical data

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
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

Packing

VPE length	338 mm	VPE width	130 mm
VPE height	33 mm		

Type tests

Test: Durability of markings	Standard		IEC 61984 section 6.2 and 7.3.2 / 10.11, IEC 60068-2-70 / 12.95
	Test		mark of origin, type identification, pitch, date clock, type of material
	Evaluation		available
	Test		durability
	Evaluation		passed
Test: Misengagement (Non-interchangeability)	Standard		IEC 61984 section 6.3 and 6.9.1 / 10.11, IEC 60512-13-5 / 02.06
	Test		180° turned with coding elements
	Evaluation		passed
	Test		visual examination
	Evaluation		passed
Test: Clampable cross section	Standard		IEC 60999-1 section 7 and 9.1 / 11.99, IEC 60947-1 section 8.2.4.5.1 / 03.11
	Conductor type	Type of conductor and conductor cross-section	solid 0.5 mm²
		Type of conductor and conductor cross-section	stranded 0.5 mm²
		Type of conductor and conductor cross-section	stranded 1.0 mm²
		Type of conductor and conductor cross-section	solid 2.5 mm²
		Type of conductor and conductor cross-section	AWG 26/1
		Type of conductor and conductor cross-section	AWG 26/19
		Type of conductor and conductor cross-section	AWG 14/1
		Type of conductor and conductor cross-section	AWG 14/19
	Evaluation		passed

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Test for damage to and accidental loosening of conductors	Standard	IEC 60999-1 section 9.4 / 11.99	
	Requirement	0.2 kg	
	Conductor type	Type of conductor and conductor cross-section	AWG 26/1
		Type of conductor and conductor cross-section	AWG 26/19
	Evaluation	passed	
	Requirement	0.3 kg	
	Conductor type	Type of conductor and conductor cross-section	H05V-U0.5
		Type of conductor and conductor cross-section	H05V-K0.5
	Evaluation	passed	
	Requirement	0.7 kg	
	Conductor type	Type of conductor and conductor cross-section	H07V-K2.5
		Type of conductor and conductor cross-section	H07V-U2.5
		Type of conductor and conductor cross-section	AWG 14/1
		Type of conductor and conductor cross-section	AWG 14/19
	Evaluation	passed	
Pull-out test	Standard	IEC 60999-1 section 9.5 / 11.99	
	Requirement	≥10 N	
	Conductor type	Type of conductor and conductor cross-section	AWG 26/1
		Type of conductor and conductor cross-section	AWG 26/19
	Evaluation	passed	
	Requirement	≥20 N	
	Conductor type	Type of conductor and conductor cross-section	H05V-U0.5
		Type of conductor and conductor cross-section	H05V-K0.5
	Evaluation	passed	
	Requirement	≥50 N	
	Conductor type	Type of conductor and conductor cross-section	H07V-K2.5
		Type of conductor and conductor cross-section	H07V-U2.5
		Type of conductor and conductor cross-section	AWG 14/1
		Type of conductor and conductor cross-section	AWG 14/19
	Evaluation	passed	

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Technical data

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC002638
ECLASS 9.0	27-44-03-09	ECLASS 9.1	27-44-03-09
ECLASS 10.0	27-44-03-09	ECLASS 11.0	27-46-02-02

Important note

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.
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 • 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. • Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Approvals

ROHS	Conform

Downloads

Brochure/Catalogue	Catalogues in PDF-format

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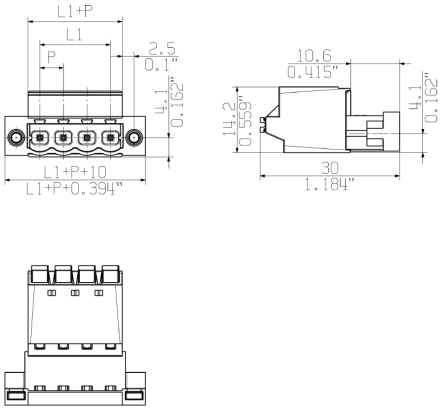
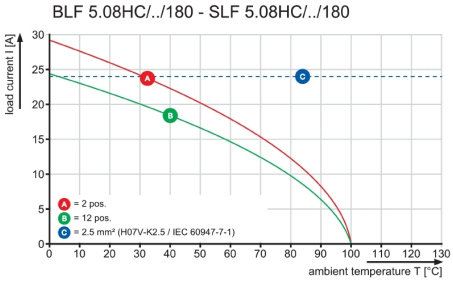
Drawings

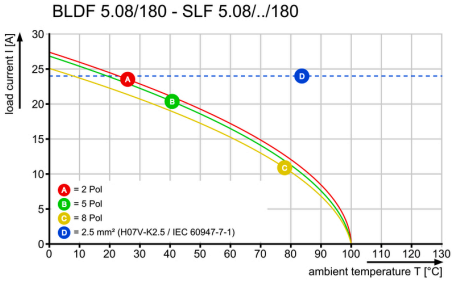
Dimensional drawing



Graph



Graph



Product benefits

Uncompromising functionality
High vibration resistance

Product benefits

Solid PUSH IN contact
Safe and durable

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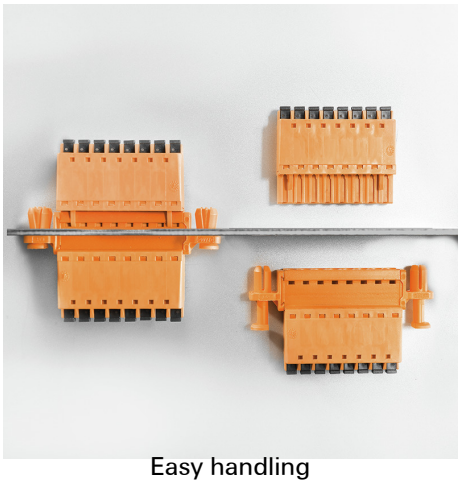
Drawings

Product benefits

Lower assembly costs
Secure in a matter of seconds

Product benefits



Easy handling
No implementation framework necessary