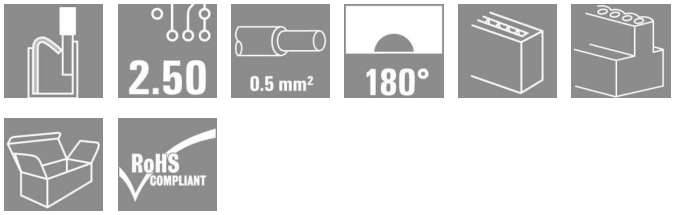
OMNIMATE Signal - series BL/SL 2.50
BLF 2.50/09/180 SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 1429-0
Fax: +49 5231 14292083
www.weidmueller.com





PUSH IN - Weidmüller's innovative connection system simplifies the wire connection process.
The benefits for users and applications:

- High component density because of small pitch. Simply insert the prepared wire - and you're done
- Simplified processing, thanks to integrated push buttons for opening the terminal point
- Intuitive handling – since the conductor entry and handling areas are clearly separated

General ordering data

Type	BLF 2.50/09/180 SN BK BX
Order No.	2439720000
Version	PCB plug-in connector, female plug, Pitch in mm (P): 2.50 mm, No. of poles: 9, Box
GTIN (EAN)	4050118454796
Qty.	125 pc(s).
Product data	IEC: 320 V / 6 A / 0.08 - 0.5 mm² UL: 150 V / 5 A / AWG 28 - AWG 20
Packaging	Box

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Technical data

Dimensions and weights

Net weight	5.952 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 2.50	Type of connection	PUSH IN direct insertion
Wire connection method	PUSH IN	Pitch in mm (P)	2.5 mm
Pitch in inches (P)	0.984 inch	Conductor outlet direction	180°
No. of poles	9	L1 in mm	20 mm
L1 in inches	7.872 inch	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Volume resistance	< 10 mΩ
Stripping length	8 mm	Screwdriver blade standard	DIN 5264
Plugging cycles	25	Packaging	Box

Material data

Insulating material	PA	Colour	Black
Colour chart (similar)	RAL 9011	CTI	≥ 600
UL 94 flammability rating	V-0	Contact material	Cu-Leg
Contact surface	tinned	Operating temperature, min.	-40 °C
Operating temperature, max.	105 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	105 °C		

Conductors suitable for connection

Clamping range, rated connection, min.	0.08 mm²	Clamping range, rated connection, max.	0.5 mm²
Wire connection cross section AWG, min.	AWG 28	Wire connection cross section AWG, max.	AWG 20
Solid, min. H05(07) V-U	0.08 mm²	Solid, max. H05(07) V-U	0.5 mm²
Stranded, min. H07V-R	0.08 mm²	Stranded, max. H07V-R	0.5 mm²
Flexible, min. H05(07) V-K	0.08 mm²	Flexible, max. H05(07) V-K	0.5 mm²

Rated data acc. to IEC

tested acc. to standard	IEC 61984	Rated current, min. no. of poles (Ta = 20°C)	6 A
Rated current, max. no. of poles (Ta = 20°C)	6 A	Rated current, min. no. of poles (Ta = 40°C)	6 A
Rated current, max. no. of poles (Ta = 40°C)	6 A	Rated voltage for surge voltage class / pollution degree II/2	320 V
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated voltage for surge voltage class / pollution degree III/3	80 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	2.5 kV		

Rated data acc. to CSA

Rated voltage (Use group B)	150 V	Rated current (use group B)	5 A
Wire cross-section, AWG, min.	AWG 28	Wire cross-section, AWG, max.	AWG 20

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Technical data

Rated data acc. to UL 1059

Institute (cURus)		Certificate No. (cURus)	E60693
Rated voltage (use group B)	150 V	Rated current (use group B)	5 A
Wire cross-section, AWG, min.	AWG 28	Wire cross-section, AWG, max.	AWG 20
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Classifications

ETIM 6.0	EC002637	eClass 6.2	27-26-07-04
eClass 9.1	27-44-04-02		

Notes

Notes	• Rated current related to rated cross-section & min. No. of poles. • P on drawing = pitch • Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended. • Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
IPC conformity	The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

Approvals

Approvals

Downloads

Safety notice	Safety indication

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Drawings

