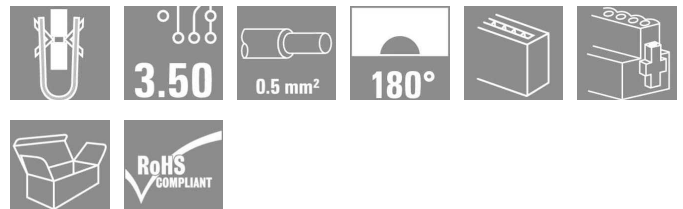


OMNIMATE Signal - series BL/SL 3.50 BLIDCB 3.50/02/-F SN OR BX

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



Female connectors for fast wiring with IDC system for connecting conductors at 3.50 mm pitch. They include space for labelling and can be coded.

- 0.35 - 0.5 mm² (IEC) / 22 - 20 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 6 A (IEC) / 7 A (UL)

General ordering data

Type	BLIDCB 3.50/02/-F SN OR BX
Order No.	1751450000
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 2, 90°/270°, IDC terminal, Clamping range, rated connection, max.: 0.5 mm ² , Box
GTIN (EAN)	4032248174386
Qty.	10 pc(s).
Product data	IEC: 250 V / 6 A / 0.35 - 0.5 mm ² UL: 300 V / 7 A / AWG 22 - AWG 20
Packaging	Box

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Technische Daten

Dimensions and weights

Net weight 3.9 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 3.50	Wire connection method	IDC terminal
Conductor outlet direction	90°/270°	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	No. of poles	2
Screwdriver blade	0.4 x 2.5	Screwdriver blade standard	DIN 5264-A
L1 in mm	3.5 mm	L1 in inches	0.138 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	Orange
Colour chart (similar)	RAL 2000	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned	Operating temperature, min.	-50 °C
Operating temperature, max.	80 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	80 °C		


Connectable conductors

Clamping range, rated connection, min.	0.32 mm ²	Clamping range, rated connection, max.	0.5 mm ²
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 20
Outer diameter of insulation, max.	2.1 mm	Solid, min. H05(07) V-U	0.35 mm ²
Solid, max. H05(07) V-U	0.5 mm ²	Flexible, min. H05(07) V-K	0.35 mm ²
Flexible, max. H05(07) V-K	0.5 mm ²		

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	6 A	Rated current, max. no. of poles (Tu=20°C)	6 A
Rated current, number of poles (Tu=40°C), min	6 A	Rated current, number of poles (Tu=40°C), max.	5 A
Rated voltage for surge voltage class pollution degree II/2	250 V	Rated voltage for surge voltage class pollution degree III/2	160 V
Rated voltage for surge voltage class pollution degree III/3	160 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
Short-time withstand current resistance	3 x 1s with 60 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	7 A	Rated voltage (use group D)	300 V
Rated current (use group D)	7 A	Wire cross-section, AWG, min.	AWG 22
Wire cross-section, AWG, max.	AWG 20		

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Technische Daten

UL 1059 rating data

Institute (UR)



Rated voltage (use group B)

300 V

Rated current (use group B) 7 A

Rated voltage (use group D) 300 V

Rated current (use group D) 7 A

Wire cross-section, AWG, min. AWG 22

Wire cross-section, AWG, max. AWG 20

Classifications

ETIM 3.0	EC001284	UNSPSC	30-21-18-10
eClass 5.1	27-26-07-04	eClass 6.2	27-26-07-04
eClass 7.1	27-44-04-02		

Notes

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- For IDC contact 0.5: cable acc. to DIN EN 60352-4
- AWG conductor: solid, 7 or 19 strands only
- Temperature range -20 to +80 °C
- BLIDC 3.5 and BLIDCB 3.5 conductors "solid"/"flexible" to DIN 47726
- P on drawing = pitch
- 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.

Approvals

Approvals



ROHS

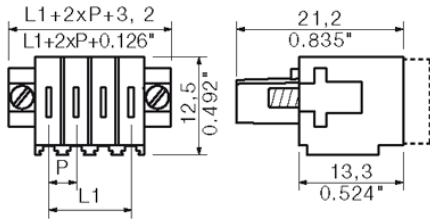
Conform

Datenblatt

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Zeichnungen



BLIDCB 3.5/.. /180 - SL 3.50/.. /90

