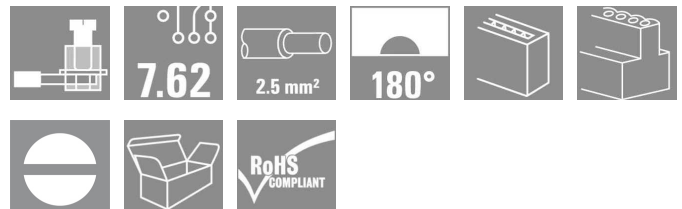


OMNIMATE Signal - series BL/SL 7.62 BLZ 7.62/07/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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Female plugs with clamping-yoke screw wire-connect system. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

General ordering data

Type	BLZ 7.62/07/180 SN OR BX
Order No.	1623100000
Version	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box
GTIN (EAN)	4008190194154
Qty.	40 pc(s).
Product data	IEC: 800 V / 18.5 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12
Packaging	Box

Erstellungs-Datum January 13, 2014 2:57:05 PM CET

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Technische Daten

Dimensions and weights

Net weight 14.2 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 7.62	Wire connection method	Clamping yoke connection
Conductor outlet direction	180°	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.3 inch	No. of poles	7
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5	Stripping length	7 mm
L1 in mm	45.72 mm	L1 in inches	1.8 inch
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	Cu-Leg
Contact surface	tinned		

Connectable conductors

Clamping range, rated connection, min.	0.13 mm ²	Clamping range, rated connection, max.	3.31 mm ²
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 ²	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Flexible, max. H05(07) V-K	2.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.0 mm; 2.4 mm		

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	18.5 A	Rated current, max. no. of poles (Tu=20°C)	17 A
Rated current, number of poles (Tu=40°C), min	16 A	Rated current, number of poles (Tu=40°C), max.	14.5 A
Rated voltage for surge voltage class pollution degree II/2	800 V	Rated voltage for surge voltage class pollution degree III/2	630 V
Rated voltage for surge voltage class pollution degree III/3	500 V	Rated impulse voltage for surge voltage class pollution degree II/2	6 kV
Rated impulse voltage for surge voltage class pollution degree III/2	6 kV	Rated impulse voltage for surge voltage class contamination degree III/3	6 kV
Short-time withstand current resistance	3 x 1 s 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) 15 A

Rated voltage (use group D) 300 V

Rated current (use group D) 10 A

Wire cross-section, AWG, min. AWG 26

Wire cross-section, AWG, max. AWG 12

UL 1059 rating data

Institute (UR)



Rated voltage (use group B)

300 V

Rated current (use group B) 15 A

Rated voltage (use group D) 300 V

Rated current (use group D) 10 A

Wire cross-section, AWG, min. AWG 26

Wire cross-section, AWG, max. AWG 12

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
- 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
- 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

OMNIMATE Signal - series BL/SL 7.62 BLZ 7.62/07/180 SN OR BX

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Zeichnungen

