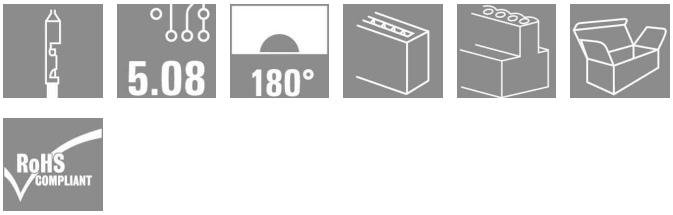
OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/02/180R OR BX

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 plugs with crimp wire connection system.The female plugs provide space for labelling and can be coded.

- 0.25 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21 A (IEC) / 10 A (UL)

General ordering data

Type	BLC 5.08/02/180R OR BX
Order No.	1610490000
Version	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm², Box
GTIN (EAN)	4008190057114
Qty.	100 pc(s).
Product data	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14
Packaging	Box

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Technische Daten

Dimensions and weights

Net weight	1.52 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Wire connection method	Crimp connection
Conductor outlet direction	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	2
Stripping length	5 mm	L1 in mm	5.08 mm
L1 in inches	0.2 inch	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch

Material data

Insulating material	PBT GF	Colour	Orange
Colour chart (similar)	RAL 2000	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	Cu-Leg

Connectable conductors

Clamping range, rated connection, min.	0.22 mm²	Clamping range, rated connection, max.	2.5 mm²
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section AWG, max.	AWG 14
Flexible, min. H05(07) V-K	0.5 mm²	Flexible, max. H05(07) V-K	2.5 mm²

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	21 A	Rated current, max. no. of poles (Tu=20°C)	14.5 A
Rated current, number of poles (Tu=40°C), min	18 A	Rated current, number of poles (Tu=40°C), max.	12.5 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 classpollution degree II/2	4 kV
Rated impulse voltage for surge voltage classpollution degree III/2	4 kV	Rated impulse voltage for surge voltage classcontamination degree III/3	4 kV
Short-time withstand current resistance	3 x 1s with 120 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	10 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 14		

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Technische Daten

UL 1059 rating data

Institute (UR)		Rated voltage (use group B)	300 V
Rated current (use group B)	10 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 14		

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. • Rated cross-section depends on crimp contact used. • 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

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Zeichnungen

