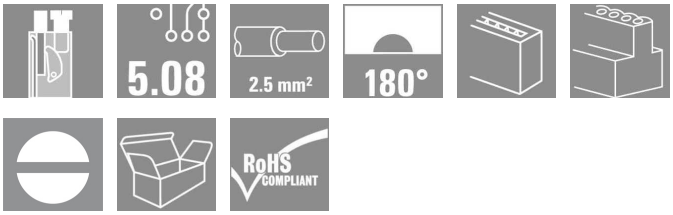
OMNIMATE Signal - series BL/SL 5.08
BLT 5.08HC/08/180 SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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Female plugs with TOP screw system for connecting wires with straight 180° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Type	BLT 5.08HC/08/180 SN BK BX
Order No.	1500110000
Version	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm², Box
GTIN (EAN)	4008190861742
Qty.	42 pc(s).
Product data	IEC: 400 V / 17 A / 0.2 - 2.5 mm² UL: 300 V / 13 A / AWG 26 - AWG 14
Packaging	Box

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Technische Daten

Dimensions and weights

Net weight	25.214 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Wire connection method	TOP connection
Conductor outlet direction	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	8
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	13 mm
L1 in mm	35.56 mm	L1 in inches	1.4 inch
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		

Material data

Insulating material	PBT	Colour	Black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned		

Connectable conductors

Clamping range, rated connection, min.	0.13 mm²	Clamping range, rated connection, max.	2.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm²	Solid, max. H05(07) V-U	2.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²	Flexible, max. H05(07) V-K	1.5 mm²
w. wire end ferrule, DIN 46228 pt 1, min	0.2 mm²	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm²	w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm²
Plug gauge acc. to EN 60999 a x b; Ø	2.4 mm x 1.5 mm ; 2.4 mm		

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	17 A	Rated current, max. no. of poles (Tu=20°C)	14 A
Rated current, number of poles (Tu=40°C), min	15 A	Rated current, number of poles (Tu=40°C), max.	11.5 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 100 A		

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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		

UL 1059 rating data

Institute (UR)		Rated voltage (use group B)	300 V
Rated current (use group B)	13 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
- 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
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- 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

ME25

ROHS	Conform

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Zeichnungen

