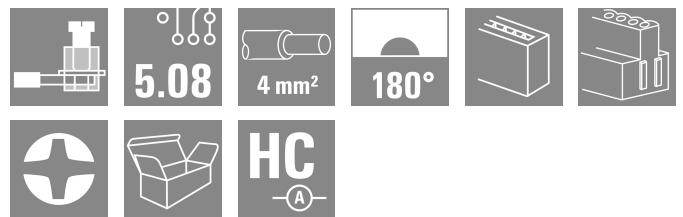
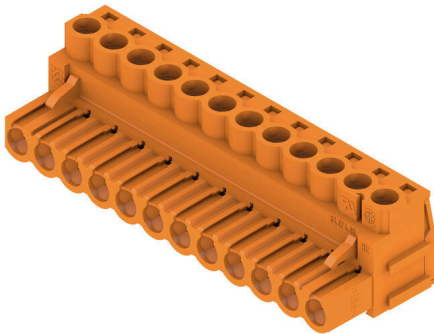


BLZP 5.08HC/12/180B SN OR BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Version	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 5, 180°, Clamping yoke connection, Box
Order No.	2879350000
Type	BLZP 5.08HC/12/180B SN OR BX
GTIN (EAN)	4064675671510
Qty.	24 items
Product data	IEC: 400 V / 0.2 - 4 mm ² UL: 300 V / AWG 26 - AWG 12
Packaging	Box

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Technical data

Approvals

Approvals



ROHS Conform
UL File Number Search [UL Website](#)
Certificate No. (cURus) E60693

Dimensions and weights

Depth	20.1 mm	Depth (inches)	0.7913 inch
Height	16 mm	Height (inches)	0.6299 inch
Width	62.96 mm	Width (inches)	2.4787 inch
Net weight	18.78 g		

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
REACH SVHC No SVHC above 0.1 wt%

System Parameters

Product family	OMNIMATE Signal - series BL/SL 5.08		
Wire connection method	Clamping yoke connection		
Pitch in mm (P)	5.08 mm		
Conductor outlet direction	180°		
Number of poles	5		
L1 in mm	55.88 mm		
L1 in inches	2.200 "		
Pin series quantity	1		
Protection degree	IP20		
Plugging cycles	25		
Tightening torque	Torque type	Wire connection	
	Usage information	Tightening torque	min. 0.4 Nm max. 0.5 Nm

Material data

Insulating material	PBT	Colour	orange
Colour chart (similar)	RAL 2000	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of plug contact	4...8 µm Sn hot-dip tinned
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C

Conductors suitable for connection

Solid, min. H05(07) V-U	0.2 mm ²		
Solid, max. H05(07) V-U	4 mm ²		
Flexible, min. H05(07) V-K	0.2 mm ²		
Flexible, max. H05(07) V-K	4 mm ²		
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm ²		
w. wire end ferrule, DIN 46228 pt 1, max.	4 mm ²		
Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	0.5 mm ²

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wire end ferrule	Stripping length	nominal	6 mm
	Recommended wire-end ferrule	H0,5/6	
	Stripping length	nominal	8 mm
	Recommended wire-end ferrule	H0,5/12 OR	
Cross-section for conductor connection	Type	fine-wired	
	nominal	1 mm ²	
wire end ferrule	Stripping length	nominal	6 mm
	Recommended wire-end ferrule	H1,0/6	
Cross-section for conductor connection	Type	fine-wired	
	nominal	1.5 mm ²	
wire end ferrule	Stripping length	nominal	7 mm
	Recommended wire-end ferrule	H1,5/7	
Cross-section for conductor connection	Type	fine-wired	
	nominal	2.5 mm ²	
wire end ferrule	Stripping length	nominal	7 mm
	Recommended wire-end ferrule	H2,5/7	
	Stripping length	nominal	10 mm
	Recommended wire-end ferrule	H2,5/15D BL	

Reference text The outside diameter of the plastic collar should not be larger than the pitch (P), Length of ferrules is to be chosen depending on the product and the rated voltage.

Rated data acc. to IEC

Rated current, max. number of poles (Tu=20°C)	18 A	Rated current, min. number of poles (Tu=40°C)	21 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 impulse voltage for surge voltage class/ pollution degree II/2	4000 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV

Rated data acc. to UL 1059

Institute (cURus)	CURUS	Certificate No. (cURus)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	338.00 mm
VPE width	130.00 mm	VPE height	27.00 mm

Important note

IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.
Notes	<ul style="list-style-type: none"> In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

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Technical data

Classifications

ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

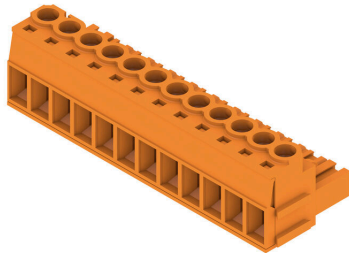
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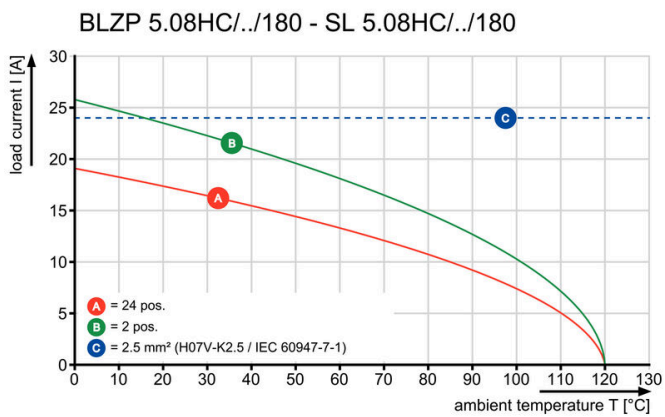
Drawings

Product image



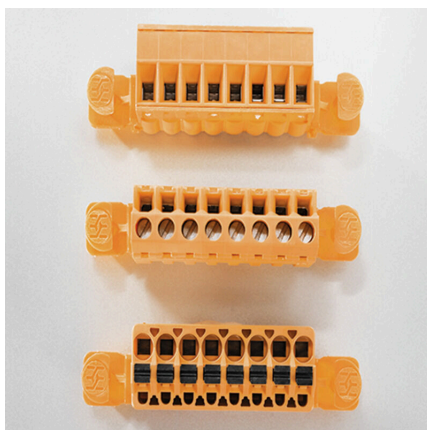
Graph

Product benefits



Lower assembly costs Secure in a matter of seconds

Product benefits



Flexible application options For 3 connection systems