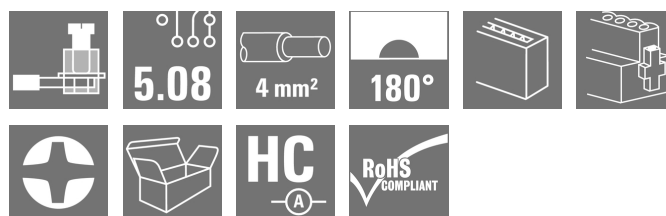


SP-BLZP 5.08 16P CLAMSHELL KIT**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****General ordering data**

Version	PCB plug-in connector, Hood, female plug, 5.08 mm, Number of poles: 16, 180°, Clamping range, max.: 4 mm², Box
Order No.	2697690000
Type	SP-BLZP 5.08 16P CLAMSHELL KIT
GTIN (EAN)	4050118704464
Qty.	1 pc(s).
Product data	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - AWG 12
Packaging	Box

Creation date July 15, 2025 7:00:34 AM CEST

Catalogue status 04.07.2025 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Depth	18.5 mm	Depth (inches)	0.728 inch
Height	72.4 mm	Height (inches)	2.85 inch
Width	91.1 mm	Width (inches)	3.587 inch
Net weight	90 g		

System Parameters

Product family	OMNIMATE Signal - series BL/SL 5.08		
Pitch in mm (P)	5.08 mm		
Pitch in inches (P)	0.2 "		
Conductor outlet direction	180°		
Number of poles	16		
Number of rows	1		
Pin series quantity	2		
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged		
Protection degree	IP20		
Volume resistance	≤5 mΩ		
Can be coded	Yes		
Clamping screw	M 2.5		
Screwdriver blade	0.6 x 3.5, PH 1, PZ 1		
Screwdriver blade standard	DIN 5264, ISO 8764/2-PH, ISO 8764/2-PZ		
Screwdriver blade housing	T8		
Plugging force/pole, max.	10 N		
Pulling force/pole, max.	9 N		
Tightening torque	Torque type		Wire connection
	Usage information		Tightening torque
			min. 0.4 Nm
			max. 0.5 Nm
	Torque type		Screw flange
	Usage information		Tightening torque
			min. 0.2 Nm
			max. 0.25 Nm
	Torque type		Housing
	Usage information		Tightening torque
			min. 0.4 Nm
			max. 0.5 Nm

Material data

Insulating material	PBT	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	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	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-40 °C
Operating temperature, max.	120 °C		

Conductors suitable for connection

Clamping range, min.	0.13 mm ²
Clamping range, max.	4 mm ²
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

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Technical data

w. plastic collar ferrule, DIN 46228 pt 4, 0.2 mm²
min.w. plastic collar ferrule, DIN 46228 pt 4, 2.5 mm²
max.w. wire end ferrule, DIN 46228 pt 1, 0.2 mm²
min.w. wire end ferrule, DIN 46228 pt 1, 4 mm²
max.

Plug gauge in accordance with EN 60999 a x b; ø 2.8 mm x 2.4 mm

Clampable conductor	Cross-section for conductor connection	Type	fine-wired	
		nominal	0.5 mm ²	
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

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	23 A
Rated current, max. number of poles (Tu=20°C)	18 A	Rated current, min. number of poles (Tu=40°C)	21 A
Rated current, max. number of poles (Tu=40°C)	16 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 class/ pollution degree II/2	4 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV	Short-time withstand current resistance	3 x 1s with 120 A

Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group C / CSA)	50 V
Rated voltage (Use group D / CSA)	300 V	Rated current (Use group B / CSA)	20 A
Rated current (Use group D / CSA)	20 A	Wire cross-section, AWG, min.	AWG 30
Wire cross-section, AWG, max.	AWG 12		

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Technical data

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	20 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12

Packing

Packaging	Box	VPE length	119 mm
VPE width	118 mm	VPE height	49 mm

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC002638
ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 9.0	27-44-03-09
ECLASS 9.1	27-44-03-09	ECLASS 10.0	27-44-03-09
ECLASS 11.0	27-46-02-02	ECLASS 12.0	27-46-02-02
ECLASS 13.0	27-46-02-02	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

Approvals

ROHS	Conform
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Environmental Product Compliance

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

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	- 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. - 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

Downloads

Engineering Data	Application notes – 2717970000-01062021-OGUI-Clamshell A7-WEB
Product Change Notification	20220106 BLT and BLZP in pitch 5.0x – Addition of a screw locking 20220106 BLT und BLZP im Raster 5.0x – Ergänzung einer Schraubensicherung

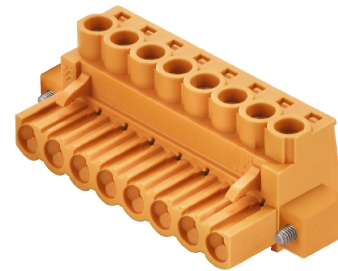
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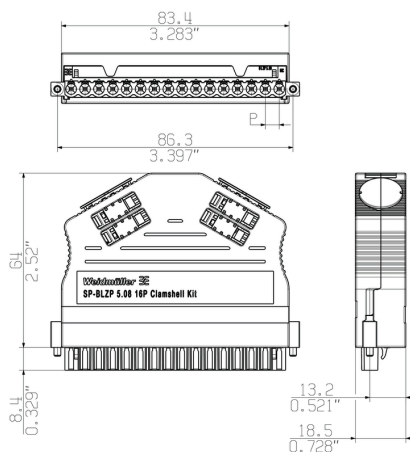
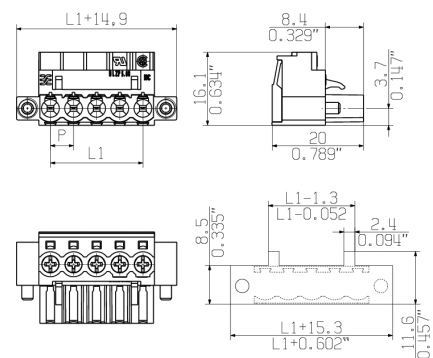
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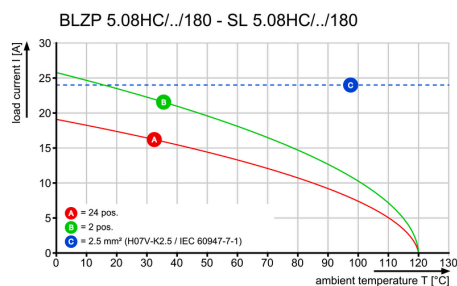
Drawings
Product image

Product image


Similar to illustration

Dimensioned drawing

Dimensional drawing


MIN. FRONT PLATE CUT-OUT

Graph


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Drawings

Example of use

