

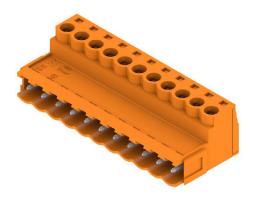


Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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Product image















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Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

General ordering data

Version	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 11, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm², Box
Order No.	1627330000
Туре	SLS 5.08/11/180B SN OR BX
GTIN (EAN)	4008190199845
Qty.	30 items
Product data	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm ² UL: 300 V / 14 A / AWG 26 - AWG 12
Packaging	Вох





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Technical data

Approva	als
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Approvals



ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate No. (UR)	E60693

Dimensions and weights

Depth	22.2 mm	Depth (inches)	0.874 inch
Height	15.3 mm	Height (inches)	0.6024 inch
Net weight	17.76 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			
Type of connection	Field connection			
Wire connection method	Clamping yoke connection			
Pitch in mm (P)	5.08 mm			
Pitch in inches (P)	0.200 "			
Conductor outlet direction	180°			
Number of poles	11			
L1 in mm	50.80 mm			
L1 in inches	2.000 "			
Number of rows	1			
Pin series quantity	1			
Touch-safe protection acc. to DIN VDE 57 106	finger-safe plugged/ back-of-hand-safe unplugg	ged		
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged			
Protection degree	IP20, when fully mounted			
Volume resistance	≤5 mΩ			
Can be coded	Yes			
Stripping length	7 mm			_
Clamping screw	M 2.5			
Screwdriver blade	0.6 x 3.5			
Screwdriver blade standard	DIN 5264-A			
Plugging cycles	25			_
Plugging force/pole, max.	4 N			
Pulling force/pole, max.	3 N			
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	Insulating material group	IIIa	

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Technical data

Comparative Tracking Index (CTI)	≥ 200	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of plug contact	48 µm Sn hot-dip tinned
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

Conductors suitable for connection

lamping range, min.	0.13 mm ²			
Clamping range, 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			
Stranded, min. H07V-R	0.2 mm ²			
Stranded, max. H07V-R	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. plastic collar ferrule, DIN 46228 pt of the min.	4, 0.2 mm ²			
w. plastic collar ferrule, DIN 46228 pt on max.	4, 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			
Plug gauge in accordance with EN 60999 a x b; ø	2.8 mm x 2.0 mm; 2.4 mm			
Clampable conductor	Cross-section for conductor connection	Туре	fine-wired	
		nominal	0.5 mm ²	
	wire end ferrule	Stripping length	nominal	6 mm
		Recommended wire- end ferrule	<u>H0,5/6</u>	
	Cross-section for conductor connection	Туре	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	Туре	fine-wired	
		nominal	1.5 mm ²	
	wire end ferrule	Stripping length	nominal	7 mm
		Recommended wire- end ferrule	<u>H1,5/7</u>	
	Cross-section for conductor connection	Туре	fine-wired	
		nominal	2.5 mm ²	
	wire end ferrule	Stripping length	nominal	7 mm
		Recommended wire- end ferrule	H2,5/7	
	Cross-section for conductor connection	Туре	fine-wired	
		nominal	0.75 mm ²	
	wire end ferrule	Stripping length	nominal	6 mm
		Recommended wire- end ferrule	H0,75/6	

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Technical data

Rated data acc. to IEC			
tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	21.5 A
Rated current, max. number of poles (Tu=20°C)	16 A	Rated current, min. number of poles (Tu=40°C)	18 A
Rated current, max. number of poles (Tu=40°C)	14 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	4 kV	Short-time withstand current resistance	3 x 1s with 120 A

Rated data acc. to CSA

class/ contamination degree III/3

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	15 A	Rated current (Use group D / CSA)	10 A
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.		

Rated data acc. to UL 1059

Institute (UR)	UR	Certificate No. (UR)	E60693
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)	14 A	Rated current (Use group D / UL 1059)	10 A
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	349.00 mm
VPE width	135.00 mm	VPE height	31.00 mm

Type tests

Test: Durability of markings	Standard	VDE 0627 Tab. 7 item 3/6.86	
	Test	durability	
	Evaluation	passed	
Test: Clampable cross section	Standard	VDE 0609 part 1 06.83, EN 60947-1 03.9	
	Conductor type	Type of conductor H05V-U0.5 and conductor cross- section	
		Type of conductor H05V-K0.5 and conductor cross-section	
		Type of conductor H05V-U2.5 and conductor cross- section	
		Type of conductor H05V-K2.5 and conductor cross- section	
		Type of conductor AWG 28 and conductor cross-section	

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Technical data

		Type of conductor AWG 14 and conductor cross-section	
	Evaluation	passed	
Test for damage to and accidental loosening of conductors	Standard	EN 60947-1/1991 section 8.2.4.3	
	Requirement	0.3 kg	
	Conductor type	Type of conductor H05V-U0.5 and conductor cross- section	
		Type of conductor H05V-K0.5 and conductor cross-section	
	Evaluation	passed	
	Requirement	0.7 kg	
	Conductor type	Type of conductor H07V-U2.5 and conductor cross-section	
		Type of conductor H07V-K2.5 and conductor cross-section	
	Evaluation	passed	
Pull-out test	Standard	EN 60947-1/1991 section 8.2.4.4	
	Requirement	≥5 N	
	Conductor type	Type of conductor AWG 28/1 and conductor cross-section	
		Type of conductor AWG 28/7 and conductor cross-section	
	Evaluation	passed	
	Requirement	≥50 N	
	Conductor type	Type of conductor H07V-U2.5 and conductor cross-section	
		Type of conductor H07V-K2.5 and conductor cross-section	
		Type of conductor AWG 14/19 and conductor cross-section	
	Evaluation	passed	

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	 Additional variants 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.
- 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 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		



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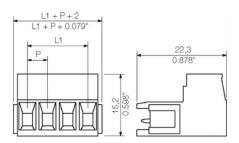
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Drawings

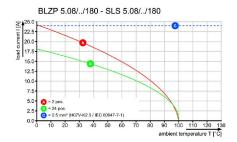
Product image

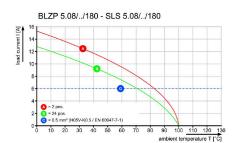


Dimensional drawing

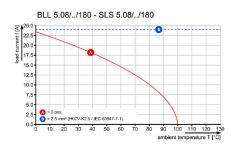


Graph Graph





Graph



Product benefits



Lower assembly costsSecure in a matter of seconds



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Drawings

Product benefits



Flexible application optionsFor 3 connection systems



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Accessories

Coding elements



Only connects what is supposed to be connected: the right connection at the right place.

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery. Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

General ordering data

Туре	BLZ/SL KO OR BX	Version
Order No.	<u>1573010000</u>	PCB plug-in connector, Accessories, Coding element, orange, Number
GTIN (EAN)	4008190048396	of poles: 1
Qty.	100 ST	
Туре	BLZ/SL KO BK BX	Version
Type Order No.	BLZ/SL KO BK BX 1545710000	Version PCB plug-in connector, Accessories, Coding element, black, Number
• •		

Blocks for PCB mounting





Minor component, major effect:

Clip-on attachment elements increase the mechanical resilience of the whole plug connection by

- securing the male connectors to the circuit board
- providing a vibration-proof connection between the sockets and the male connectors

Clip-on or pre-assembled - always the right solution:

- Hard-wearing, precise fitting dovetail joint
- Hard-wearing metal threaded inserts
- Suitable for all outlet directions

Maximum stability, minimum effort:

- Extremely resilient for frequent fastening operations
- Complete set for easy selection

The result: soldering points, contacts and overall module are more resilient against mechanical stress such as vibrations and tensile loads.

General ordering data

	_	
Туре	SLA BB1R OR	Version
Order No.	<u>1723430000</u>	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190365981	of poles: 0
Qty.	20 ST	
•		
Туре	SLA BB1R SW	Version
	SLA BB1R SW 1723480000	Version PCB plug-in connector, Accessories, Mounting block, black, Number
Туре		

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Accessories

Туре	SLA BB2R SW	Version
Order No.	1723490000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190366049	of poles: 0
Qty.	20 ST	5, poles, 5
Туре	SLA BB2R OR	Version
Order No.	1723440000	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN) Qty.	4008190365998 20 ST	of poles: 0
•		V
Туре	SLA BB5R OR	Version
Order No.	<u>1723460000</u>	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190366018	of poles: 0
Qty.	20 ST	
Type	SLA BB5R SW	Version
Order No.	<u>1723510000</u>	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190366063	of poles: 0
Qty.	20 ST	
Туре	SLA BB6R OR	Version
Order No.	<u>1723470000</u>	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190366025	of poles: 0
Qty.	20 ST	
Туре	SLA BB6R SW	Version
Order No.	1723520000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190366070	of poles: 0
Qty.	20 ST	
Туре	SLA BB11R OR	Version
Order No.	1604120000	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190182977	of poles: 0
Qty.	20 ST	
Туре	SLA BB11R SW	Version
Order No.	1692340000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190864965	of poles: 0
Qty.	20 ST	·
Туре	SLA BB12R OR	Version
Order No.	<u>1593450000</u>	PCB plug-in connector, Accessories, Mounting block, orange, Number
GTIN (EAN)	4008190122164	of poles: 0
Oty.	100 ST	·
Туре	SLA BB12R SW	Version
Order No.	1626880000	PCB plug-in connector, Accessories, Mounting block, black, Number
GTIN (EAN)	4008190198213	of poles: 0
Qty.	100 ST	or poice. o
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