

**OMNIMATE Signal - series BL/SL 5.08
SLS 5.08/08/180B SN OR BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

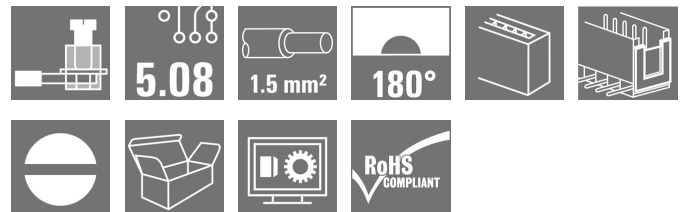
D-32758 Detmold

Germany

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www.weidmueller.com



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

General ordering data

Type	SLS 5.08/08/180B SN OR BX
Order No.	1627300000
Version	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box
GTIN (EAN)	4008190199814
Qty.	42 pc(s).
Product data	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - AWG 12
Packaging	Box

OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/08/180B SN OR BX

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Technical data

Dimensions and weights

Height	15.2 mm	Height (inches)	0.598 inch
Depth	22.3 mm	Depth (inches)	0.878 inch
Net weight	13.46 g		

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)	0.2 inch	Conductor outlet direction	180°
No. of poles	8	L1 in mm	35.56 mm
L1 in inches	1.4 inch	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Finger-safe plugged/ back-of-hand-safe unplugged
Volume resistance	4.50 mΩ	Can be coded	Yes
Stripping length	7 mm	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm	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		

Material data

Insulating material	PBT	Colour	Orange
Colour chart (similar)	RAL 2000	Insulating material group	IIIa
CTI	≥ 200	Insulation resistance	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	Contact material	CuSn
Contact surface	tinned	Layer structure of plug contact	4-8 μm Sn hot-dip tinned
Storage temperature, min.	-25 °C	Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %	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

Clamping 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
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 4, min.	0.2 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	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		

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Technical data
Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. no. of poles (Tu=20°C)	21.5 A
Rated current, max. no. of poles (Tu=20°C)	16 A	Rated current, min. no. of poles (Tu=40°C)	18 A
Rated current, max. no. 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 class/ contamination degree III/3	4 kV	Short-time withstand current resistance	3 x 1s with 120 A

Rated data acc. to CSA

Institute (CSA)		Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B)	300 V	Rated voltage (use group D)	300 V
Rated current (use group B)	15 A	Rated current (use group D)	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)		Certificate No. (UR)	E60693
Rated voltage (use group B)	300 V	Rated voltage (use group D)	300 V
Rated current (use group B)	14 A	Rated current (use group D)	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.		

Packaging

Packaging	Box	VPE length	30 mm
VPE width	135 mm	VPE height	350 mm

Classifications

ETIM 3.0	EC001284	ETIM 4.0	EC002637
ETIM 5.0	EC002637	ETIM 6.0	EC002637
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
eClass 8.1	27-44-04-02	eClass 9.0	27-44-04-02
eClass 9.1	27-44-04-02		

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Technical data

Notes

Notes

- Additional colours 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.

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.

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity

[Declaration of the Manufacturer](#)

Brochure/Catalogue

[FL DRIVES EN](#)
[MB DEVICE MANUF. EN](#)
[FL DRIVES DE](#)
[CAT 2 PORTFOLIOGUIDE EN](#)
[FL BUILDING SAFETY EN](#)
[FL APPL LED LIGHTING EN](#)
[FL INDUSTR.CONTROLS EN](#)
[FL MACHINE SAFETY EN](#)
[FL HEATING ELECTR EN](#)
[FL APPL INVERTER EN](#)
[FL_BASE_STATION_EN](#)
[FL ELEVATOR EN](#)
[FL POWER SUPPLY EN](#)
[FL 72H SAMPLE SER EN](#)
[PO OMNIMATE EN](#)

Engineering Data

[WSCAD](#)

Engineering Data

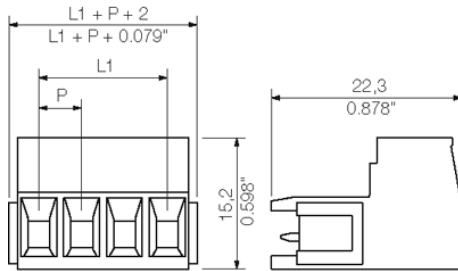
[STEP](#)

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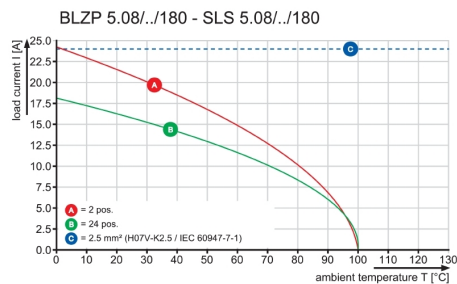
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Drawings

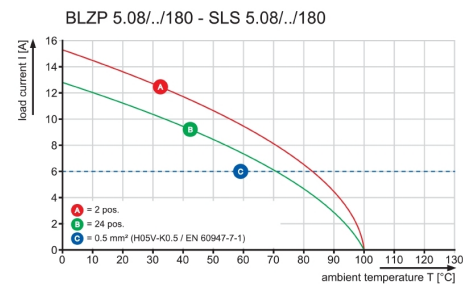
Dimensional drawing



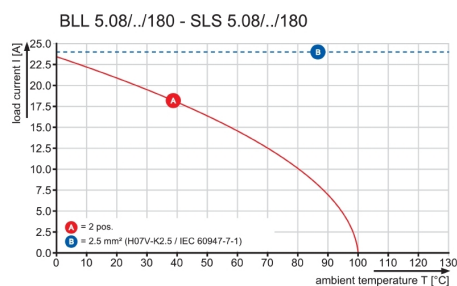
Graph



Graph



Graph



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Mating connector (fully pluggable)

BLL 5.08/180B



Female header for PCB mounting. The solder pin length is optimised for wave flow soldering.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1682790000	PCB plug-in connector,	4008190474553 42 pc(s).		IEC: 400 V / 23 A	Box
5.08/08/180B		female header, Dovetails for			UL: 300 V / 15 A	
3.2SN OR BX		fixing blocks, THT solder				
		connection, 5.08 mm, No.				
		of poles: 8, 180°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				

BLF 5.08HC/270 SN



Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-04-08T00:00:00+02:00	BLF 5.08HC/08/270 SN	1981990000	PCB plug-in	4032248684687	42
	BK BX		connector,		pc(s).
			female plug,		
			5.08 mm, No. of		
			poles: 8, 270°,		
			PUSH IN, Spring		
			connection,		
			Clamping range,		
			max. : 3.31 mm ² ,		
			Box		

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Mating connector (fully pluggable)

BLF	1982760000	PCB plug-in connector,	4032248686858 42 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/270		female plug, 5.08 mm, No.		UL: 300 V / 18.5 A / AWG 26 - AWG	
SN OR BX		of poles: 8, 270°, PUSH		12	
		IN, Spring connection,			
		Clamping range, max. :			
		3.31 mm ² , Box			

BLF 5.08HC/180 SN



Just as reliable as the millionfold proven original and featuring innovative details:

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- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF	1013490000	PCB plug-in connector,	4032248721641 42 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/180		female plug, 5.08 mm, No.			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN BK BX		of poles: 8, 180°, PUSH			12	
		IN, Spring connection,				
		Clamping range, max. :				
		3.31 mm ² , Box				
BLF	1013750000	PCB plug-in connector,	4032248721863 42 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/180		female plug, 5.08 mm, No.			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN OR BX		of poles: 8, 180°, PUSH			12	
		IN, Spring connection,				
		Clamping range, max. :				
		3.31 mm ² , Box				

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Mating connector (fully pluggable)

BLZP 5.08HC/270 SN



Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/270 SN OR BX	1948850000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248626304 42 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box
BLZP 5.08HC/08/270 SN BK BX	1949080000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248626533 42 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

BLZP 5.08HC/225 SN



Clamping-yoke connection with right-angled (90° or 270°) or angled (225°) 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/225 SN OR BX	1946310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 225°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248621880 42 pc(s).		IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZP 5.08HC/08/225 SN BK BX	1946620000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 225°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248622399 42 pc(s).		IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SLS 5.08/08/180B SN OR BX

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Mating connector (fully pluggable)

BLL 5.08/180



Female header for PCB mounting. The solder pin length is optimised for wave flow soldering.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1630770000	PCB plug-in connector,	4008190204198 42 pc(s).		IEC: 400 V / 23 A	Box
5.08/08/180		female header, closed side,			UL: 300 V / 15 A	
3.2 SN OR BX		THT solder connection,				
		5.08 mm, No. of poles: 8,				
		180°, Solder pin length (l):				
		3.2 mm, tinned, Orange,				
		Box				

BLDT 5.08B



Female plugs with two clamping-yoke screw connections per pole for wire connections with 90° and 270° outlet directions. The female plugs provide space for labelling and can be coded.

General ordering data

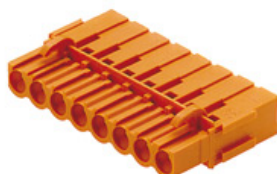
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT	1651800000	PCB plug-in connector,	4008190400484 35 pc(s).		IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
5.08/08/-B		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		of poles: 8, 180°, Clamping				
		yoke connection, Clamping				
		range, max. : 3.31 mm ² ,				
		Box				
Discontinued	2014-05-20T00:00:00+02:00	BLDT 5.08/08/-B SN BK	1673840000	PCB plug-in	4008190435578	50
		BX		connector, female		pc(s).
				plug, 5.08 mm,		
				No. of poles: 8,		
				180°, Clamping		
				yoke connection,		
				Clamping range,		
				max. : 3.31 mm ² ,		
				Box		

OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/08/180B SN OR BX

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Mating connector (fully pluggable)

BLC 5.08BR



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

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-09-01T00:00:00+02:00	BLC 5.08/08/180BR BK BX	1712170000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Crimp connection, Clamping range, max. : 2.5 mm², Box	4008190935184	50 pc(s).
BLC 5.08/08/180BR OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Crimp connection, Clamping range, max. : 2.5 mm², Box	4008190294540	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BLZP 5.08HC/90 SN



Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/90 SN OR BX	1948060000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, max. : 4 mm², Box	4032248624287	42 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - AWG 12	Box
BLZP 5.08HC/08/90 SN BK BX	1948300000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Clamping	4032248624829	42 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

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Mating connector (fully pluggable)

yoke connection, Clamping
range, max. : 4 mm², Box

BLZP 5.08HC/225B SN

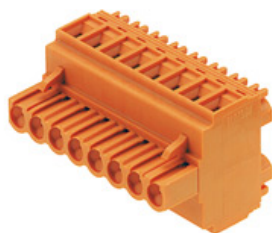


Clamping-yoke connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-04-08T00:00:00+02:00	BLZP 5.08HC/08/225B SN BK BX	1946040000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	4032248621576	42 pc(s).
BLZP 5.08HC/08/225B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	1945810000	403224862128642 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BLDT 5.08



Female plugs with two clamping-yoke screw connections per pole for wire connections with 90° and 270° outlet directions. The female plugs provide space for labelling and can be coded.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT	1644790000	PCB plug-in connector,	400819028400835 pc(s).		IEC: 400 V / 14 A / 0.2 - 2.5 mm²	Box
5.08/08/- SN		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
OR BX		of poles: 8, 180°, Clamping				
		yoke connection, Clamping				
		range, max. : 3.31 mm²,				
		Box				
Discontinued	2016-09-01T00:00:00+02:00	BLDT 5.08/08/- SN BK BX	1660770000	PCB plug-in	4008190417222	35
				connector, female		pc(s).

OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/08/180B SN OR BX

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Mating connector (fully pluggable)

plug, 5.08 mm,
No. of poles: 8,
180°, Clamping
yoke connection,
Clamping range,
max. : 3.31 mm²,
Box

BLL 5.08/90



Female header for PCB mounting. The solder pin length is optimised for wave flow soldering.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/08/90 3.2 SN OR BX	1623000000	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190194055	42 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box
BLL 5.08/08/90 3.2 SN BK BX	1730190000	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4050118007008	42 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

BLZP 5.08HC/180 SN



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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/180 SN OR BX	1943640000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping	4032248617647	42 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/08/180B SN OR BX

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Germany
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www.weidmueller.com

Mating connector (fully pluggable)

		yoke connection, Clamping range, max. : 4 mm ² , Box		
BLZP	1943870000	PCB plug-in connector,	4032248617913 42 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² Box
5.08HC/08/180		female plug, 5.08 mm, No.		UL: 300 V / 20 A / AWG 26 - AWG 12
SN BK BX		of poles: 8, 180°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box		

BLF 5.08HC/90 SN



Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF	1001590000	PCB plug-in connector,	4032248693399 42 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/90		female plug, 5.08 mm,			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN OR BX		No. of poles: 8, 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , Box			12	
BLF	1000090001	PCB plug-in connector,	4032248690022 42 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/90		female plug, 5.08 mm,			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN BK BX		No. of poles: 8, 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , Box			12	

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Mating connector (fully pluggable)

BLF 5.08HC/180DF SN



Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF	1353300000	PCB plug-in connector,	4050118155679	24 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/180DF		female plug, 5.08 mm, No.			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN OR BX		of poles: 8, 180°, PUSH			12	
		IN, Spring connection,				
		Clamping range, max. :				
		3.31 mm ² , Box				

BLDF 5.08/180 SN



The powerful daisy-chain solution for high-performance signal bus applications is also suitable for 400V auxiliary power chains with 18.5A current-carrying capacity.

The large clamping capacity (up to 2.5mm² wire cross-sections) is particularly beneficial for long bus cables or high currents because of the low voltage drop.

Four flange variations, including the patented release latch, allow for user-friendly unplugging designs.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDF	1001210000	PCB plug-in connector,	4032248817573	28 pc(s).	IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ²	Box
5.08/08/180		female plug, 5.08 mm, No.			UL: 300 V / 18.5 A / AWG 12 - AWG	
SN OR BX		of poles: 8, 180°, PUSH			26	
		IN, Spring connection,				
		Clamping range, max. :				
		3.31 mm ² , Box				
BLDF	1000920000	PCB plug-in connector,	4032248817092	28 pc(s).	IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ²	Box
5.08/08/180		female plug, 5.08 mm, No.			UL: 300 V / 18.5 A / AWG 12 - AWG	
SN BK BX		of poles: 8, 180°, PUSH			26	
		IN, Spring connection,				

OMNIMATE Signal - series BL/SL 5.08

SLS 5.08/08/180B SN OR BX

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Mating connector (fully pluggable)

Clamping range, max. :
 3.31 mm², Box

BLC 5.08R



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC	1610550000	PCB plug-in connector,	4008190080563	50 pc(s).	IEC: 400 V / 21 A	Box
5.08/08/180R		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 14	
OR BX		of poles: 8, 180°, Crimp connection, Clamping range, max. : 2.5 mm ² , Box				
BLC	1712020000	PCB plug-in connector,	4008190935030	50 pc(s).	IEC: 400 V / 21 A	Box
5.08/08/180R		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 14	
BK BX		of poles: 8, 180°, Crimp connection, Clamping range, max. : 2.5 mm ² , Box				

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Accessories

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLA BB6R OR	1723470000	PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	4008190366025	20 pc(s).	UL:	Box
SLA BB1R OR	1723430000	PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	4008190365981	20 pc(s).	UL:	Box
SLA BB2R SW	1723490000	PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190366049	20 pc(s).	UL:	Box
SLA BB5R SW	1723510000	PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190366063	20 pc(s).	UL:	Box
SLA BB12R SW	1626880000	PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190198213	100 pc(s).	UL:	Box
SLA BB6R SW	1723520000	PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190366070	20 pc(s).	UL:	Box
SLA BB12R OR	1593450000	PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	4008190122164	100 pc(s).	UL:	Box
SLA BB11R SW	1692340000	PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190864965	20 pc(s).	UL:	Box
SLA BB5R OR	1723460000	PCB plug-in connector, Accessories, Mounting	4008190366018	20 pc(s).	UL:	Box

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Accessories

		block, Orange, No. of poles: 1			
SLA BB11R OR	1604120000	PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	4008190182977 20 pc(s).	UL:	Box
SLA BB2R OR	1723440000	PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	4008190365998 20 pc(s).	UL:	Box
SLA BB1R SW	1723480000	PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190366032 20 pc(s).	UL:	Box

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ/SL KO BK BX	1545710000	PCB plug-in connector, Accessories, Coding element, Black, No. of poles: 1	4008190087142 50 pc(s).		UL:	Box
BLZ/SL KO OR BX	1573010000	PCB plug-in connector, Accessories, Coding element, Orange, No. of poles: 1	4008190048396 100 pc(s).		UL:	Box