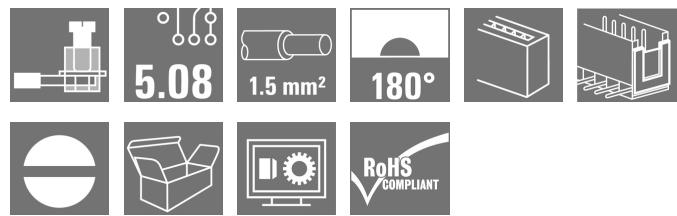
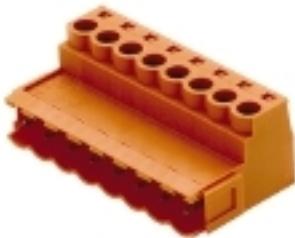


**OMNIMATE Signal - series BL/SL 5.08**  
**SLS 5.08/07/180B SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergsstraße 16  
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 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Product image**

**Similar to illustration**

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 5.08/07/180B SN OR BX
Order No.	<a href="#">1627290000</a>
Version	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box
GTIN (EAN)	4008190199807
Qty.	48 pc(s).
Product data	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 14 A / AWG 26 - AWG 12
Packaging	Box

## Data sheet

**OMNIMATE Signal - series BL/SL 5.08  
SLS 5.08/07/180B 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	11.3 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	7	L1 in mm	30.48 mm
L1 in inches	1.2 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 <sup>8</sup> 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 <sup>2</sup>	Clamping range, max.	3.31 mm <sup>2</sup>
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 <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min	0.2 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm <sup>2</sup>
Plug gauge in accordance with EN 60999 a x b; Ø	2.8 mm x 2.0 mm; 2.4 mm		

## Data sheet

**OMNIMATE Signal - series BL/SL 5.08  
SLS 5.08/07/180B SN OR BX**

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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		

**Data sheet****OMNIMATE Signal - series BL/SL 5.08  
SLS 5.08/07/180B SN OR BX**

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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 INDISTR.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](#)

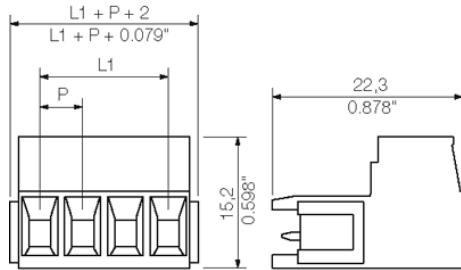
## Data sheet

### OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

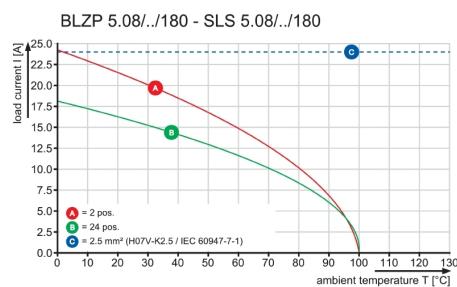
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## Drawings

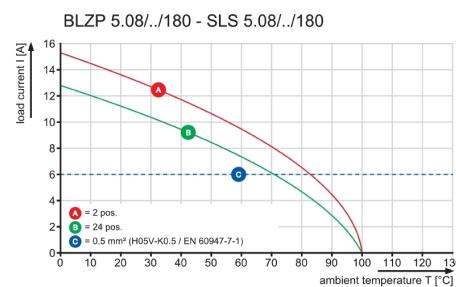
### Dimensional drawing



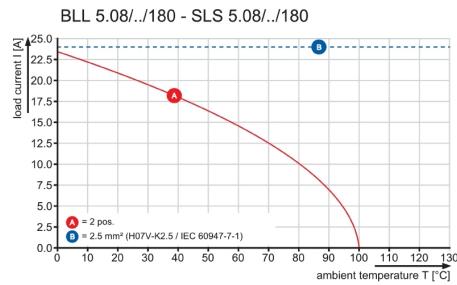
## Graph



## Graph



## Graph

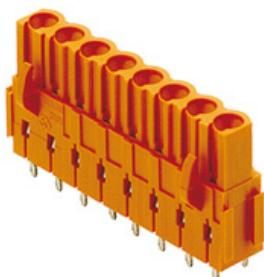


## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

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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	<a href="#">1682780000</a>	PCB plug-in connector, female header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 7, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190474546	48 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	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/07/270 SN	<a href="#">1981980000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 270°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box	4032248684670	48 pc(s).

## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

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### Mating connector (fully pluggable)

BLF	<a href="#">1982750000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 270°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Box	403224868684148 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 18.5 A / AWG 26 - AWG	Box 12
5.08HC/07/270					
SN OR BX					

### BLF 5.08HC/180 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	<a href="#">1013480000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Box	403224872163448 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 18.5 A / AWG 26 - AWG	Box 12
5.08HC/07/180						
SN BK BX						
BLF	<a href="#">1013740000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm <sup>2</sup> , Box	403224872185648 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 18.5 A / AWG 26 - AWG	Box 12
5.08HC/07/180						
SN OR BX						

## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

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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	<a href="#">1949070000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box	403224862652648 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 26 - AWG 12	Box
5.08HC/07/270						
SN BK BX						
BLZP	<a href="#">1948840000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box	403224862629848 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 26 - AWG 12	Box
5.08HC/07/270						
SN OR BX						

#### 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	<a href="#">1946300000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 225°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box	403224862187348 pc(s).		IEC: 400 V / 17.5 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 15 A / AWG 26 - AWG 12	Box
5.08HC/07/225						
SN OR BX						
Discontinued	2016-04-08T00:00:00+02:00	BLZP 5.08HC/07/225 SN <a href="#">1946610000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 225°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box	4032248622382	48 pc(s).	

## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B 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	<a href="#">1630760000</a>	PCB plug-in connector, female header, closed side,	4008190204181	48 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box
5.08/07/180		THT solder connection, 5.08 mm, No. of poles: 7, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				
3.2 SN OR BX						

#### 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	<a href="#">1651790000</a>	PCB plug-in connector, female plug, 5.08 mm, No.	4008190400477	40 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/07-B		of poles: 7, 180°, Clamping				
SN OR BX		yoke connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box				
Discontinued	2016-09-01T00:00:00+02:00	BLDT 5.08/07-/B SN BK	<a href="#">1673830000</a>	40	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box	pc(s).
		BX				

**OMNIMATE Signal - series BL/SL 5.08**  
**SLS 5.08/07/180B 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**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC	<a href="#">1649420000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Crimp connection, Clamping range, max. : 2.5 mm <sup>2</sup> , Box	400819029453350 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
5.08/07/180BR						
OR BX						
Discontinued	2014-05-20T00:00:00+02:00	BLC 5.08/07/180BR BK BX	<a href="#">1712160000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Crimp connection, Clamping range, max. : 2.5 mm <sup>2</sup> , Box	4008190935177	50 pc(s).

**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	<a href="#">1948290000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 90°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box	403224862481248 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 26 - AWG 12	Box
5.08HC/07/90						
SN BK BX						
BLZP	<a href="#">1948050000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 90°, Clamping	403224862427048 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 26 - AWG 12	Box
5.08HC/07/90						
SN OR BX						

## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

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www.weidmueller.com

### Mating connector (fully pluggable)

yoke connection, Clamping  
range, max. : 4 mm<sup>2</sup>, 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP	<a href="#">1945800000</a>	PCB plug-in connector,	4032248621279	48 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm <sup>2</sup>	Box
5.08HC/07/225B		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX		of poles: 7, 225°, Clamping				
		yoke connection, Clamping				
		range, max. : 4 mm <sup>2</sup> , Box				
Discontinued	2016-04-08T00:00:00+02:00	BLZP 5.08HC/07/225B SN	<a href="#">1946030000</a>	4032248621569	PCB plug-in	48
		BK BX			connector, female	pc(s).
					plug, 5.08 mm,	
					No. of poles: 7,	
					225°, Clamping	
					yoke connection,	
					Clamping range,	
					max. : 4 mm <sup>2</sup> , 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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-09-01T00:00:00+02:00	BLDT 5.08/07/- SN BK BX	<a href="#">1660760000</a>	PCB plug-in	4008190417215	40

## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

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### Mating connector (fully pluggable)

BLDT	<a href="#">1644780000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box	4008190283995 40 pc(s).	max. : 3.31 mm <sup>2</sup> , Box	IEC: 400 V / 14 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/07/- SN						
OR BX						

### 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
BLU	<a href="#">1622990000</a>	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, No. of poles: 7, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190194048 48 pc(s).		IEC: 400 V / 23 A UL: 300 V / 15 A	Box
5.08/07/90						
3.2 SN OR BX						

### 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	<a href="#">1943860000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, max. : 4 mm <sup>2</sup> , Box	4032248617906 48 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 26 - AWG 12	Box
5.08HC/07/180						
SN BK BX						
BLZP	<a href="#">1943630000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping	4032248617630 48 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 26 - AWG 12	Box
5.08HC/07/180						
SN OR BX						

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## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

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[www.weidmueller.com](http://www.weidmueller.com)

### Mating connector (fully pluggable)

yoke connection, Clamping  
range, max. : 4 mm<sup>2</sup>, 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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-04-08T00:00:00+02:00	BLF 5.08HC/07/90 SN BK	<a href="#">1000080001</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box	4032248690015	48 pc(s).
BLF <a href="#">1001580000</a> 5.08HC/07/90 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box	403224869338248	pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

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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	<a href="#">1353290000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box	4050118155839 30 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 18.5 A / AWG 26 - AWG	Box
5.08HC/07/180DF					12	
SN OR BX						

#### 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 2.5mm<sup>2</sup> 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	<a href="#">1000910000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box	4032248817450 32 pc(s).		IEC: 400 V / 20.8 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 18.5 A / AWG 12 - AWG	Box
5.08/07/180					26	
SN BK BX						
BLDF	<a href="#">1001200000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm <sup>2</sup> , Box	4032248817535 32 pc(s).		IEC: 400 V / 20.8 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 18.5 A / AWG 12 - AWG	Box
5.08/07/180					26	
SN OR BX						

**OMNIMATE Signal - series BL/SL 5.08**  
**SLS 5.08/07/180B SN OR BX**

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**Mating connector (fully pluggable)**

Clamping range, max. :  
 3.31 mm<sup>2</sup>, 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	<a href="#">1610540000</a>	PCB plug-in connector,	400819015639850 pc(s).		IEC: 400 V / 21 A	Box
5.08/07/180R		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 14	
OR BX		of poles: 7, 180°, Crimp				
		connection, Clamping				
		range, max. : 2.5 mm <sup>2</sup> , Box				
Discontinued	2016-04-08T00:00:00+02:00	BLC 5.08/07/180R BK BX <a href="#">1712010000</a>	PCB plug-in	4008190935023	50	pc(s).
		connector, female				
		plug, 5.08 mm,				
		No. of poles:				
		7, 180°, Crimp				
		connection,				
		Clamping range,				
		max. : 2.5 mm <sup>2</sup> ,				
		Box				

## OMNIMATE Signal - series BL/SL 5.08 SLS 5.08/07/180B SN OR BX

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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 <a href="#">1723470000</a>		PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	4008190366025	20 pc(s).	UL:	Box
SLA BB1R OR <a href="#">1723430000</a>		PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	4008190365981	20 pc(s).	UL:	Box
SLA BB2R SW <a href="#">1723490000</a>		PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190366049	20 pc(s).	UL:	Box
SLA BB5R SW <a href="#">1723510000</a>		PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190366063	20 pc(s).	UL:	Box
SLA BB12R SW <a href="#">1626880000</a>		PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190198213	100 pc(s).	UL:	Box
SLA BB6R SW <a href="#">1723520000</a>		PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190366070	20 pc(s).	UL:	Box
SLA BB12R OR <a href="#">1593450000</a>		PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	4008190122164	100 pc(s).	UL:	Box
SLA BB11R SW <a href="#">1692340000</a>		PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	4008190864965	20 pc(s).	UL:	Box
SLA BB5R OR <a href="#">1723460000</a>		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 <a href="#">1604120000</a> OR	PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	400819018297720 pc(s). UL:	Box
SLA BB2R OR <a href="#">1723440000</a>	PCB plug-in connector, Accessories, Mounting block, Orange, No. of poles: 1	400819036599820 pc(s). UL:	Box
SLA BB1R SW <a href="#">1723480000</a>	PCB plug-in connector, Accessories, Mounting block, Black, No. of poles: 1	400819036603220 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 <a href="#">1545710000</a> BX		PCB plug-in connector, Accessories, Coding element, Black, No. of poles: 1	400819008714250 pc(s). UL:			Box
BLZ/SL KO OR <a href="#">1573010000</a> BX		PCB plug-in connector, Accessories, Coding element, Orange, No. of poles: 1	4008190048396100 pc(s). UL:			Box