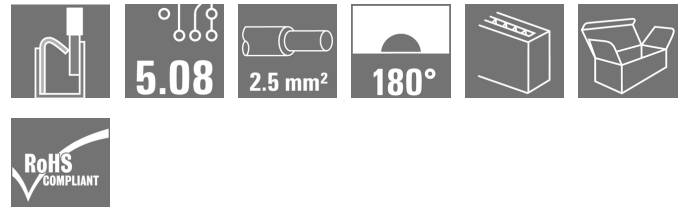


OMNIMATE Signal - series BL/SL 5.08 SLF 5.08/07/180 SN BK BX

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Product image



Similar to illustration

Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLF 5.08/07/180 SN BK BX
Order No.	1335650000
Version	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 7, 180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm², Box
GTIN (EAN)	4050118138894
Qty.	48 pc(s).
Product data	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - AWG 12
Packaging	Box

Creation date May 3, 2020 3:39:06 AM CEST

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

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Technical data**Dimensions and weights**

Height	14.2 mm	Height (inches)	0.559 inch
Depth	30 mm	Depth (inches)	1.181 inch
Net weight	12.543 g		

System Parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Field connection
Wire connection method	PUSH IN, Spring connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	Conductor outlet direction	180°
Number of poles	7	L1 in mm	30.48 mm
L1 in inches	1.2 inch	Pin series quantity	1
Rated cross-section	2.5 mm ²	Touch-safe protection acc. to DIN VDE 57 106	finger-safe plugged/ back-of-hand-safe unplugged
Volume resistance	≤ 5mΩ	Can be coded	Yes
Stripping length	10 mm	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264	Plugging cycles	25
Plugging force/pole, max.	7 N	Pulling force/pole, max.	5.5 N

Material data

Insulating material	PBT	Colour	black
Colour of operational elements	orange	Material of operational elements	PBT
Colour chart (similar)	RAL 9011	Insulation strength	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	GWFI	960 °C
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.	50 °C	Max. relative humidity during storage	70 %
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, 0.2 mm ² min.	
w. plastic collar ferrule, DIN 46228 pt 4, 2.5 mm ² max.	
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

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Technical data

Clampable conductor	Cross-section for conductor connection	Type	fine-wired	
		nominal	0.5 mm ²	
	wire end ferrule	Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H0.5/16 OR	
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule	H0.5/10	
	Cross-section for conductor connection	Type	fine-wired	
		nominal	0.75 mm ²	
	wire end ferrule	Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H0.75/16 W	
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule	H0.75/10	
	Cross-section for conductor connection	Type	fine-wired	
		nominal	1 mm ²	
	wire end ferrule	Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H1.0/16D R	
		Stripping length	nominal	10 mm
		Recommended wire-end ferrule	H1.0/10	
	Cross-section for conductor connection	Type	fine-wired	
		nominal	1.5 mm ²	
wire end ferrule	Stripping length	nominal	10 mm	
	Recommended wire-end ferrule	H1.5/10		
	Stripping length	nominal	12 mm	
	Recommended wire-end ferrule	H1.5/16 R		
Cross-section for conductor connection	Type	fine-wired		
	nominal	2.5 mm ²		
wire end ferrule	Stripping length	nominal	10 mm	
	Recommended wire-end ferrule	H2.5/10		
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.			
Max. clamping range	3.31 mm ²			


Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	25.9 A
Rated current, max. number of poles (Tu=20°C)	21.7 A	Rated current, min. number of poles (Tu=40°C)	22.5 A
Rated current, max. number of poles (Tu=40°C)	18.5 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


**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

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Technical data**Rated data acc. to CSA**

Institute (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)	10 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 (cURus)		Certificate No. (cURus)	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	40 mm
VPE width	135 mm	VPE height	350 mm

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC002638
eClass 9.0	27-44-03-09	eClass 9.1	27-44-03-09
eClass 10.0	27-44-03-09		

Notes

Notes	<ul style="list-style-type: none"> • Additional colours on request • Gold-plated contact surfaces 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 • Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended. • The test point can only be used as potential-pickup point.
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.

Creation date May 3, 2020 3:39:06 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

Data sheet**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX****Weidmüller Interface GmbH & Co. KG**
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Fax: +49 5231 14-292083
www.weidmueller.com**Technical data****Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[Declaration of the Manufacturer](#)

Brochure/Catalogue

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[MB DEVICE MANUF. EN](#)
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White paper PUSH IN wire connection

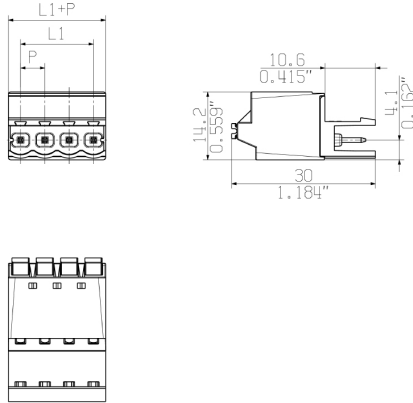
[Download Whitepaper](#)

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

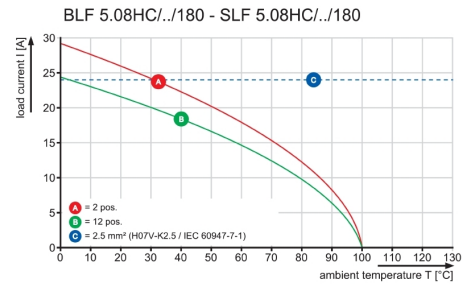
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Drawings

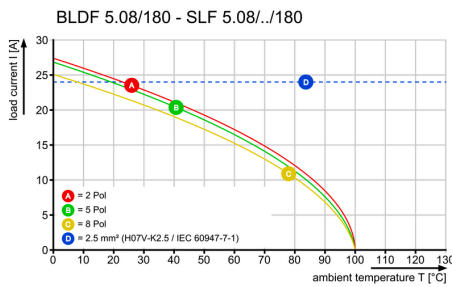
Dimensional drawing



Graph



Graph



Product benefits



Uncompromising functionality
High vibration resistance

Product benefits



Solid PUSH IN contact
Safe and durable

Product benefits



Lower assembly costs
Secure in a matter of seconds

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

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Mating connector (fully pluggable)
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	BLZP 5.08HC/07/225 SN O ...	Version	Product data	Packaging
Order No.	1946300000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621873	225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			
Type	BLZP 5.08HC/07/225 SN B ...	Version	Product data	Packaging
Order No.	1946610000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248622382	225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			

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	BLZP 5.08HC/07/270 SN O ...	Version	Product data	Packaging
Order No.	1948840000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248626298	270°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			
Type	BLZP 5.08HC/07/270 SN B ...	Version	Product data	Packaging
Order No.	1949070000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248626526	270°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK 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	BLF 5.08HC/07/180DF SN ...	Version	Product data	Packaging
Order No.	1353290000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118155839	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , UL: 300 V / 18.5 A / AWG 26 - AWG		
Qty.	30 pc(s).	Box	12	

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	BLZP 5.08HC/07/180 SN O ...	Version	Product data	Packaging
Order No.	1943630000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248617630	180°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			
Type	BLZP 5.08HC/07/180 SN B ...	Version	Product data	Packaging
Order No.	1943860000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248617906	180°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			

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Mating connector (fully pluggable)
BLF 5.08HC/180 SN


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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	BLF 5.08HC/07/180 SN BK ...	Version	Product data	Packaging
Order No.	1013480000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248721634	180°, PUSH IN, Tension-clamp connection, Clamping range, max. :	UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	48 pc(s).	3.31 mm ² , Box	12	
Type	BLF 5.08HC/07/180 SN OR ...	Version	Product data	Packaging
Order No.	1013740000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248721856	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	48 pc(s).	Box	12	

BLZP 5.08HC/90 SN

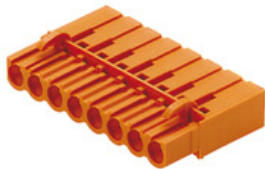

Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty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

General ordering data

Type	BLZP 5.08HC/07/90 SN OR ...	Version	Product data	Packaging
Order No.	1948050000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248624270	90°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			
Type	BLZP 5.08HC/07/90 SN BK ...	Version	Product data	Packaging
Order No.	1948290000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248624812	90°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

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Mating connector (fully pluggable)
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	BLC 5.08/07/180R OR BX	Version	Product data	Packaging
Order No.	1610540000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190156398	180°, Crimp connection, Clamping range, max. : 2.5 mm ² , Box	UL: 300 V / 10 A / AWG 26 - AWG 14	
Qty.	50 pc(s).			
Type	BLC 5.08/07/180R BK BX	Version	Product data	Packaging
Order No.	1712010000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190935023	180°, Crimp connection, Clamping range, max. : 2.5 mm ² , Box	UL: 300 V / 10 A / AWG 26 - AWG 14	
Qty.	50 pc(s).			

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:

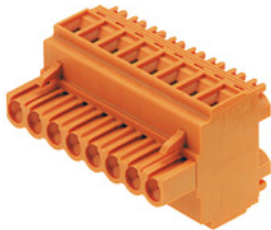
- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated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

General ordering data

Type	BLF 5.08HC/07/90 SN OR ...	Version	Product data	Packaging
Order No.	1001580000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248693382	90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG 12	
Qty.	48 pc(s).	Box		
Type	BLF 5.08HC/07/90 SN BK ...	Version	Product data	Packaging
Order No.	1000080001	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248690015	90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG 12	
Qty.	48 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

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Mating connector (fully pluggable)
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	BLDT 5.08/07/- SN OR BX	Version	Product data	Packaging
Order No.	1644780000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190283995	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 10 A / AWG 26 - AWG 12	
Qty.	40 pc(s).	Box		
Type	BLDT 5.08/07/- SN BK BX	Version	Product data	Packaging
Order No.	1660760000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190417215	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 10 A / AWG 26 - AWG 12	
Qty.	40 pc(s).	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

Type	BLF 5.08HC/07/270 SN BK ...	Version	Product data	Packaging
Order No.	1981980000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248684670	270°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG 12	
Qty.	48 pc(s).	Box		
Type	BLF 5.08HC/07/270 SN OR ...	Version	Product data	Packaging
Order No.	1982750000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248686841	270°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG 12	
Qty.	48 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (fully pluggable)
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	BLZP 5.08HC/07/225B SN ...	Version	Product data	Packaging
Order No.	1945800000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621279	225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			
Type	BLZP 5.08HC/07/225B SN ...	Version	Product data	Packaging
Order No.	1946030000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621569	225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 12	
Qty.	48 pc(s).			

BLL 5.08/180


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

General ordering data

Type	BLL 5.08/07/180 3.2 SN ...	Version	Product data	Packaging
Order No.	1630760000	PCB plug-in connector, female header, closed side, THT solder	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190204181	connection, 5.08 mm, Number of poles: 7, 180°, Solder pin length (!):	UL: 300 V / 15 A	
Qty.	48 pc(s).	3.2 mm, tinned, orange, Box		

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

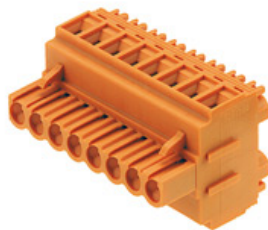
Weidmüller Interface GmbH & Co. KG
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Mating connector (fully pluggable)
BLL 5.08/90


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

General ordering data

Type	BLL 5.08/07/90 3.2 SN O ...	Version	Product data	Packaging
Order No.	1622990000	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, Number of poles: 7, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 23 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190194048			
Qty.	48 pc(s).			

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	BLDT 5.08/07/-B SN OR BX	Version	Product data	Packaging
Order No.	1651790000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box	IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
GTIN (EAN)	4008190400477			
Qty.	40 pc(s).			
Type	BLDT 5.08/07/-B SN BK BX	Version	Product data	Packaging
Order No.	1673830000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box	IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
GTIN (EAN)	4008190435561			
Qty.	40 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

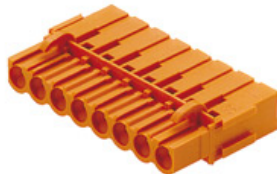
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www.weidmueller.com

Mating connector (fully pluggable)
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	BLDF 5.08/07/180 SN BK ...	Version	Product data	Packaging
Order No.	1000910000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248817450	180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 12 - AWG	
Qty.	32 pc(s).	Box	26	
Type	BLDF 5.08/07/180 SN OR ...	Version	Product data	Packaging
Order No.	1001200000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248817535	180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 12 - AWG	
Qty.	32 pc(s).	Box	26	

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	BLC 5.08/07/180BR BK BX	Version	Product data	Packaging
Order No.	1712160000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190935177	180°, Crimp connection, Clamping range, max.: 2.5 mm ² ,	UL: 300 V / 10 A / AWG 26 - AWG 14	
Qty.	50 pc(s).	Box		
Type	BLC 5.08/07/180BR OR BX	Version	Product data	Packaging
Order No.	1649420000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 7,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190294533	180°, Crimp connection, Clamping range, max.: 2.5 mm ² ,	UL: 300 V / 10 A / AWG 26 - AWG 14	
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK 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	BLL 5.08/07/180B 3.2SN ...	Version	Product data	Packaging
Order No.	1682780000	PCB plug-in connector, female header, Dovetails for fixing blocks, THT	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190474546	solder connection, 5.08 mm, Number of poles: 7, 180°, Solder pin	UL: 300 V / 15 A	
Qty.	48 pc(s).	length (l): 3.2 mm, tinned, orange, Box		

**OMNIMATE Signal - series BL/SL 5.08
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Accessories

Strain reliefs



For frequent load changes: the "trailer coupling" for plug-in connectors.

The strain relief can do more than just relieve the strain on conductors:

Simply clip onto the plug and

- bundle conductors
- guide cables
- use as a connection and disconnection aid

No damage to the connecting points, clear, tidy wiring and easy to handle.

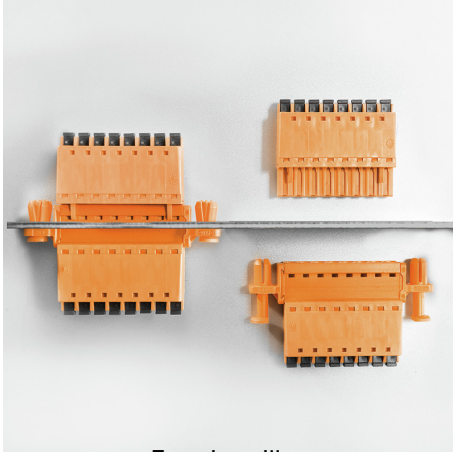
User advantages: permanent heavy-duty connections for harsh industrial environments and convenient operation ensure improved system availability.

General ordering data

Type	BLF/SLF 5.08 ZE06 OR	Version	Product data
Order No.	2525780000	PCB plug-in connector, Accessories, Strain relief, orange, Number of poles: 6	
GTIN (EAN)	4050118536881		
Qty.	50 pc(s).		
Type	BLF/SLF 5.08 ZE06 BK	Version	Product data
Order No.	2525850000	PCB plug-in connector, Accessories, Strain relief, black (similar to RAL 9005), Number of poles: 6	
GTIN (EAN)	4050118537116		
Qty.	50 pc(s).		

Data sheet**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/07/180 SN BK BX**

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Drawings**Product benefits**

Easy handling
No implementation framework necessary