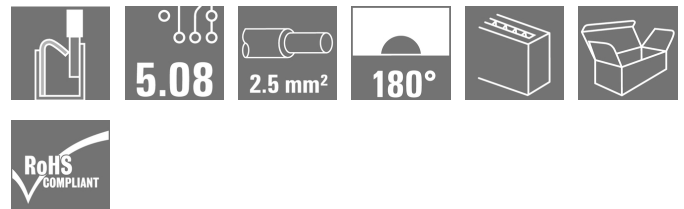
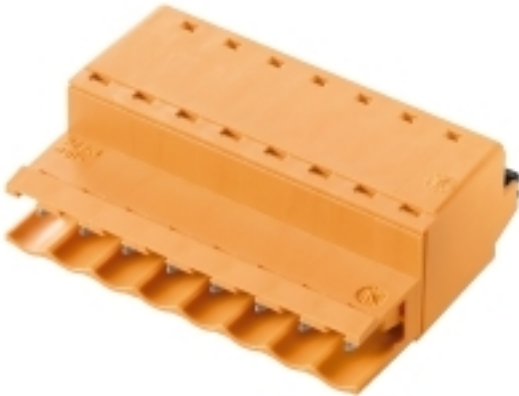


OMNIMATE Signal - series BL/SL 5.08 SLF 5.08/08/180 SN OR BX

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Product image



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 5.08/08/180 SN OR BX
Order No.	1335390000
Version	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 8, 180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm², Box
GTIN (EAN)	4050118138665
Qty.	42 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 3:30:01 AM CEST

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 SN OR 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	14.374 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	8	L1 in mm	35.56 mm
L1 in inches	1.4 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	orange
Colour of operational elements	black	Material of operational elements	PBT
Colour chart (similar)	RAL 2000	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

Creation date May 3, 2020 3:30:01 AM CEST

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

2

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 SN OR BX**

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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
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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	35 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 3:30:01 AM CEST

Data sheet**OMNIMATE Signal - series BL/SL 5.08
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Technical data**Approvals**

Approvals



ROHS

Conform

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

Brochure/Catalogue

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

[Download Whitepaper](#)

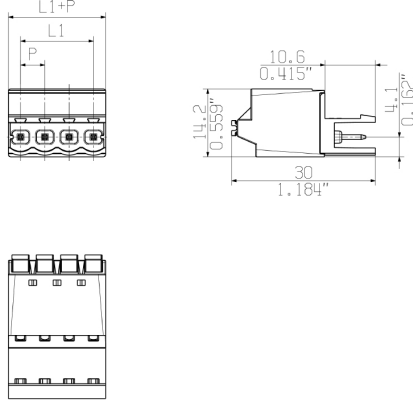
Data sheet

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 SN OR BX**

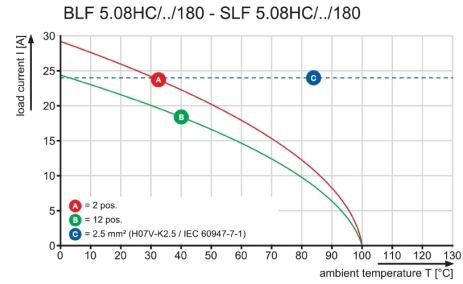
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Drawings

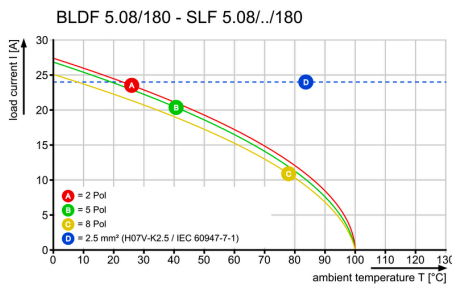
Dimensional drawing



Graph



Graph

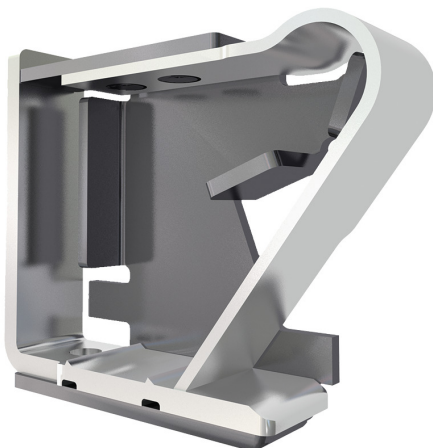


Product benefits



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

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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/08/225 SN B ...	Version	Product data	Packaging
Order No.	1946620000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248622399	225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 12	
Qty.	42 pc(s).			
Type	BLZP 5.08HC/08/225 SN O ...	Version	Product data	Packaging
Order No.	1946310000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621880	225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 12	
Qty.	42 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/08/270 SN O ...	Version	Product data	Packaging
Order No.	1948850000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248626304	270°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	42 pc(s).			
Type	BLZP 5.08HC/08/270 SN B ...	Version	Product data	Packaging
Order No.	1949080000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248626533	270°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	42 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 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	BLF 5.08HC/08/180DF SN ...	Version	Product data	Packaging
Order No.	1353300000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118155679	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , UL: 300 V / 18.5 A / AWG 26 - AWG		
Qty.	24 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/08/180 SN B ...	Version	Product data	Packaging
Order No.	1943870000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248617913	180°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	42 pc(s).			
Type	BLZP 5.08HC/08/180 SN O ...	Version	Product data	Packaging
Order No.	1943640000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248617647	180°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	42 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
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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/08/180 SN OR ...	Version	Product data	Packaging
Order No.	1013750000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248721863	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	42 pc(s).	Box	12	
Type	BLF 5.08HC/08/180 SN BK ...	Version	Product data	Packaging
Order No.	1013490000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248721641	180°, PUSH IN, Tension-clamp connection, Clamping range, max. :	UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	42 pc(s).	3.31 mm ² , 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/08/90 SN BK ...	Version	Product data	Packaging
Order No.	1948300000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248624829	90°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	42 pc(s).			
Type	BLZP 5.08HC/08/90 SN OR ...	Version	Product data	Packaging
Order No.	1948060000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248624287	90°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 20 A / AWG 26 - AWG 12	
Qty.	42 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 SN OR 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 5.08/08/180R OR BX	Version	Product data	Packaging
Order No.	1610550000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190080563	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 5.08/08/180R BK BX	Version	Product data	Packaging
Order No.	1712020000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190935030	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:
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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/08/90 SN BK ...	Version	Product data	Packaging
Order No.	1000090001	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248690022	90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG 12	
Qty.	42 pc(s).	Box		
Type	BLF 5.08HC/08/90 SN OR ...	Version	Product data	Packaging
Order No.	1001590000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248693399	90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG 12	
Qty.	42 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 SN OR 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 5.08/08/- SN BK BX	Version	Product data	Packaging
Order No.	1660770000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190417222	180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 10 A / AWG 26 - AWG 12	
Qty.	35 pc(s).	Box		
Type	BLDT 5.08/08/- SN OR BX	Version	Product data	Packaging
Order No.	1644790000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190284008	180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 10 A / AWG 26 - AWG 12	
Qty.	35 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/08/270 SN OR ...	Version	Product data	Packaging
Order No.	1982760000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248686858	270°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG 12	
Qty.	42 pc(s).	Box		
Type	BLF 5.08HC/08/270 SN BK ...	Version	Product data	Packaging
Order No.	1981990000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248684687	270°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 26 - AWG 12	
Qty.	42 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 SN OR BX**

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Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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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/08/225B SN ...	Version	Product data	Packaging
Order No.	1945810000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621286	225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 12	
Qty.	42 pc(s).			
Type	BLZP 5.08HC/08/225B SN ...	Version	Product data	Packaging
Order No.	1946040000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621576	225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 12	
Qty.	42 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 5.08/08/180 3.2 SN ...	Version	Product data	Packaging
Order No.	1630770000	PCB plug-in connector, female header, closed side, THT solder	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190204198	connection, 5.08 mm, Number of poles: 8, 180°, Solder pin length (!):	UL: 300 V / 15 A	
Qty.	42 pc(s).	3.2 mm, tinned, orange, Box		

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 SN OR BX**

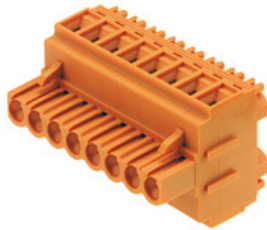
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Mating connector (fully pluggable)
BLL 5.08/90


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

General ordering data

Type	Version	Product data	Packaging
BLL 5.08/08/90 3.2 SN O ...	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, Number of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 23 A UL: 300 V / 15 A	Box
Order No. 1623000000			
GTIN (EAN) 4008190194055			
Qty. 42 pc(s).			
Type	Version	Product data	Packaging
BLL 5.08/08/90 3.2 SN B ...	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, Number of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 400 V / 23 A UL: 300 V / 15 A	Box
Order No. 1730190000			
GTIN (EAN) 4050118007008			
Qty. 42 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	Version	Product data	Packaging
BLDT 5.08/08/-B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, 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
Order No. 1651800000			
GTIN (EAN) 4008190400484			
Qty. 35 pc(s).			
Type	Version	Product data	Packaging
BLDT 5.08/08/-B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, 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
Order No. 1673840000			
GTIN (EAN) 4008190435578			
Qty. 50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180 SN OR BX**

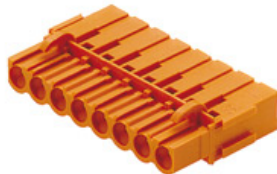
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Mating connector (fully pluggable)
BLDF 5.08/180 SN


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 5.08/08/180 SN OR ...	Version	Product data	Packaging
Order No.	1001210000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248817573	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 12 - AWG	
Qty.	28 pc(s).	Box	26	
Type	BLDF 5.08/08/180 SN BK ...	Version	Product data	Packaging
Order No.	1000920000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248817092	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 18.5 A / AWG 12 - AWG	
Qty.	28 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 5.08/08/180BR OR BX	Version	Product data	Packaging
Order No.	1649430000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190294540	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 5.08/08/180BR BK BX	Version	Product data	Packaging
Order No.	1712170000	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190935184	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
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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 5.08/08/180B 3.2SN ...	Version	Product data	Packaging
Order No.	1682790000	PCB plug-in connector, female header, Dovetails for fixing blocks, THT	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190474553	solder connection, 5.08 mm, Number of poles: 8, 180°, Solder pin	UL: 300 V / 15 A	
Qty.	42 pc(s).	length (l): 3.2 mm, tinned, orange, Box		

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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 5.08/08/180 SN OR BX**

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Drawings**Product benefits**

Easy handling
No implementation framework necessary