

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

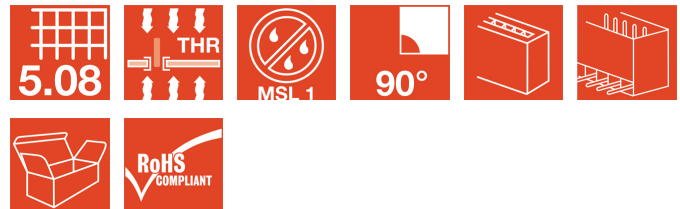
D-32758 Detmold

Germany

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High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	1775102001
Type	SL-SMT 5.08/12/90G 1.5SN BK BX
Version	PCB plug-in connector, male header, closed side, Reflow solder connection, 5.08 mm, No. of poles: 12, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box
Product data	IEC: 400 V / 19 A UL: 300 V / 15 A
GTIN (EAN)	4032248156573
Qty.	50 pc(s).
Packaging	Box

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Technical data
System parameters

Product family	BL/SL 5.08 series	Mounting onto the PCB	Reflow solder connection
Outgoing elbow	90°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	12
Solder pin length (l)	1.5 mm	Pin dimensions	d = 1.2 mm, Octagonal
Can be coded	Yes	Number of rows	1
Number of solder pins per pole	1	Solder eyelet hole diameter (D)	1.5 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	55.88 mm
L1 in inches	2.2 inch		

Material data

Insulating material	LCP GF	Colour	Black
Insulating material group	IIIa	Flammability class UL 94	V-0
Contact material	CuSn	Coating	1-3 µm Ni, 5-7 µm SN
Contact surface	tinned	Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	100 °C	Max. relative humidity during storage	80 %

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	19 A	Rated current, max. no. of poles (Tu=20°C)	15 A
Rated current, number of poles (Tu=40°C), min	16 A	Rated current, number of poles (Tu=40°C), max.	13 A
Rated voltage for surge voltage class / pollution degree III/3	250 V	Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated voltage for surge voltage class / pollution degree II/2	400 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	15 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A		

UL 1059 rating data

Institute (UR)		Rated voltage (use group B)	300 V
Rated current (use group B)	15 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A		

Classifications

ETIM 3.0	EC001284	ETIM 4.0	EC002637
UNSPSC	30-21-18-10	eClass 4.1	27-26-07-01
eClass 5.1	27-26-07-04	eClass 6.0	27-26-07-04
eClass 7.0	27-44-04-02		

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Technical data**Notes**

Notes

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Diameter of solder eyelet D = 1.5+0.1mm from 9-pole
- P on drg. = 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.

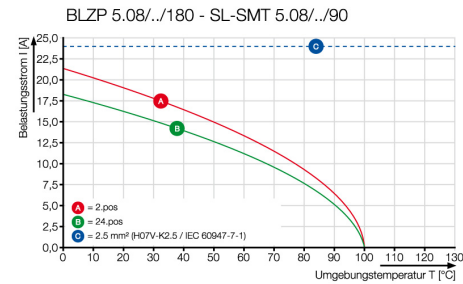
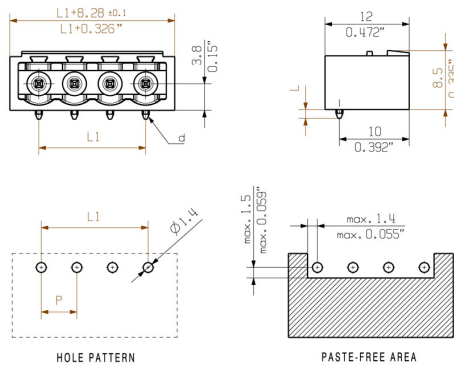
Approvals

Approvals



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Drawings


BL/SL 5.08 series

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Mating connector (fully pluggable)

BLZP 5.00/90 SN



Female plugs with clamping-yoke screw for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1958550000	BLZP 5.00/12/90 SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² / UL: 300 V / 10 A / AWG 26 - AWG 12	4032248637294	30 pc(s).	Box
1958120000	BLZP 5.00/12/90 SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² / UL: 300 V / 10 A / AWG 26 - AWG 12	4032248637065	30 pc(s).	Box

BLF 5.08/90 SN



Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.08 – the PUSH-IN version of the BLZ 5.08 female header – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.

In terms of versatility, the BLF 5.08 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.
- Use the BLF 5.08 and SL 5.08HC plug combination in order to reach the max. rated specifications.

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1000130001	BLF 5.08HC/12/90 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 0.2 - 2.5 mm ² 90°, PUSH IN, Clamping range, UL: 300 V / 16 A / rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² / UL: 300 V / 16 A / AWG 12 - AWG 26	4032248690084	30 pc(s).	Box

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Mating connector (fully pluggable)

1001630000	BLF 5.08HC/12/90 SN OR BX	PCB plug-in connector, female IEC: 400 V / 24 A / 4032248693436 30 pc(s).	Box
plug, 5.08 mm, No. of poles: 12, 0.2 - 2.5 mm ²			
90°, PUSH IN, Clamping range, UL: 300 V / 16 A /			
rated connection, max.: 3.31 AWG 12 - AWG 26			
mm ² , Box			

BLL 5.08/90



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

- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1623040000	BLL 5.08/12/90 3.2 SN OR BX	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	IEC: 400 V / 23 A UL: 300 V / 15 A	4008190194093	30 pc(s).	Box

BLL 5.08/180



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

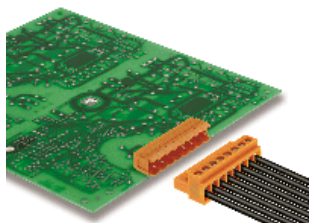
- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1630810000	BLL 5.08/12/180 3.2 SN OR BX	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	IEC: 400 V / 23 A UL: 300 V / 15 A	4008190204242	30 pc(s).	Box

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Mating connector (fully pluggable)
BL 5.00


Female plugs with leaf-spring wire connection system. The female plugs provide space for labelling.

- 0.2 - 1.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1723210000	BL 5.00/12/180 SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Leaf spring connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	IEC: 400 V / 14 A / 0.5 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	4032248002610	50 pc(s).	Box
1730800000	BL 5.00/12/180 SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Leaf spring connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	IEC: 400 V / 14 A / 0.5 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	4008190387235	50 pc(s).	Box

BLZ 5.08/90

Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1553710000	BLZ 5.08/12/90 SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190267810	30 pc(s).	Box
1553760000	BLZ 5.08/12/90 SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190157357	30 pc(s).	Box

BL/SL 5.08 series

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Mating connector (fully pluggable)

connection, max.: 3.31 mm²,
 Box

BLZ 5.08/180



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1527460000	BLZ 5.08/12/180 SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4008190121648	40 pc(s).	Box
1527410000	BLZ 5.08/12/180 SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4008190287801	40 pc(s).	Box

BLZP 5.08/225 SN



Clamping-yoke wire connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 - 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1946660000	BLZP 5.08/12/225 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248622436	30 pc(s).	Box
1946350000	BLZP 5.08/12/225 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 225°, Clamping yoke	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	4032248622122	30 pc(s).	Box

BL/SL 5.08 series

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Mating connector (fully pluggable)

connection, Clamping range, UL: 300 V / 10 A /
 rated connection, max.: 4 mm², AWG 30 - AWG 12
 Box

BLZF 5.08/180



Female plugs with tension-clamp wire connection system, straight 180° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1707790000	BLZF 5.08/12/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4008190316792	30 pc(s).	Box
1707560000	BLZF 5.08/12/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4008190950224	30 pc(s).	Box

BLZF 5.08/90



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1671120000	BLZF 5.08/12/90 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190432805	30 pc(s).	Box
1670890000	BLZF 5.08/12/90 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190432492	30 pc(s).	Box

BL/SL 5.08 series

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Mating connector (fully pluggable)

poles: 12, 90°, Tension clamp UL: 300 V / 10 A /
 connection, Clamping range, AWG 26 - AWG 12
 rated connection, max.: 3.31
 mm², Box

BLZF 5.08/270



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1672270000	BLZF 5.08/12/270 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 16.5 A / UL: 300 V / 10 A / AWG 26 - AWG 12	4008190433987	30 pc(s).	Box
1672040000	BLZF 5.08/12/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 16.5 A / UL: 300 V / 10 A / AWG 26 - AWG 12	4008190433758	30 pc(s).	Box

BLZP 5.00/270 SN



Female plugs with clamping-yoke screw for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 - 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1959150000	BLZP 5.00/12/270 SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	IEC: 400 V / 15.5 A / UL: 300 V / 10 A / AWG 26 - AWG 12	4032248638079	30 pc(s).	Box

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Mating connector (fully pluggable)

195900000	BLZP 5.00/12/270 SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 4032248637935 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	30 pc(s).	Box
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BLZP 5.08/180 SN



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1943680000	BLZP 5.08/12/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248617692	36 pc(s).	Box
1943910000	BLZP 5.08/12/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248618040	36 pc(s).	Box

BLZ 5.00/270



Female plugs with clamping-yoke screw for wire connection with 270° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1637910000	BLZ 5.00/12/270 SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range,	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190275174	30 pc(s).	Box

BL/SL 5.08 series

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Mating connector (fully pluggable)

rated connection, max.: 3.31

mm², Box

1637680000	BLZ 5.00/12/270 SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 15 A / 0.5 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190274924	30 pc(s).	Box
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BLZ 5.08/225



Female plugs with clamping-yoke screw for wire connection with 225° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1741740000	BLZ 5.08/12/225 SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190224776	30 pc(s).	Box
1741970000	BLZ 5.08/12/225 SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190273774	30 pc(s).	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.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 14 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1644830000	BLDT 5.08/12/- SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, TOP connection, Clamping	IEC: 400 V / 14 A / 0.2 - 2.5 mm²	4008190284046	50 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

Weidmüller Interface GmbH & Co. KG
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 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
 www.weidmueller.com

Mating connector (fully pluggable)

		range, rated connection, max.: UL: 300 V / 10 A /			
		3.31 mm ² , Box		AWG 26 - AWG 12	
1660810000	BLDT 5.08/12/- SN BK BX	PCB plug-in connector, female	IEC: 400 V / 14 A /	4008190417260	50 pc(s).
		plug, No. of poles: 12, 180°,	0.2 - 2.5 mm ²		
		TOP connection, Clamping	UL: 300 V / 10 A /		
		range, rated connection, max.: AWG 26 - AWG 12			
		3.31 mm ² , Box			

BLZP 5.00/180 SN



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1954390000	BLZP 5.00/12/180 SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	IEC: 400 V / 19 A / 0.2 - 4 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248633104	36 pc(s).	Box
1955470000	BLZP 5.00/12/180 SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	IEC: 400 V / 19 A / 0.2 - 4 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248633968	36 pc(s).	Box

BL 5.08



Female plugs with leaf-spring wire connection system. The female plugs provide space for labelling.

- 0.2 - 1.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1723930000	BL 5.08/12/180 SN DKGN BX	PCB plug-in connector,	IEC: 400 V / 14 A /	4008190376291	50 pc(s).	Box
		female plug, 5.08 mm, No. of	0.2 - 1.5 mm ²			
		poles: 12, 180°, Leaf spring	UL: 300 V / 10 A /			
		connection, Clamping range,	AWG 26 - AWG 14			

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (fully pluggable)

		rated connection, max.: 2.08 mm ² , Box				
1716420000	BL 5.08/12/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Leaf spring connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	4008190376468	50 pc(s).	Box
1716570000	BL 5.08/12/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Leaf spring connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	4008190376642	50 pc(s).	Box

BLZ 5.00/90



Female plugs with clamping-yoke screw for wire connection with 90° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1636040000	BLZ 5.00/12/90 SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190265755	30 pc(s).	Box
1636990000	BLZ 5.00/12/90 SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190274238	30 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (fully pluggable)
BLZ 5.00/180


Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1571120000	BLZ 5.00/12/180 SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4008190107123	40 pc(s).	Box
1602990000	BLZ 5.00/12/180 SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4008190177058	40 pc(s).	Box

BLZ 5.08/270


Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1558360000	BLZ 5.08/12/270 SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190077426	30 pc(s).	Box
1558310000	BLZ 5.08/12/270 SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190269524	30 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (fully pluggable)

rated connection, max.: 3.31
 mm², Box

BLZP 5.08/270 SN



Female plugs with clamping-yoke screw connection for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1949120000	BLZP 5.08/12/270 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248626571	30 pc(s).	Box
1948890000	BLZP 5.08/12/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248626342	30 pc(s).	Box

BLIDC 5.08



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

- 0.35 - 0.75 mm² (IEC) / 22 - 20 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 5 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1725040000	BLIDC 5.08/12/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, IDC connection, Clamping range, rated connection, max.: 0.75 mm ² , Box	IEC: 400 V / 11 A / 0.5 - 0.75 mm ² UL: 300 V / 5 A / AWG 22 - AWG 20	4008190377380	50 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (fully pluggable)

BLIDC 5.08B



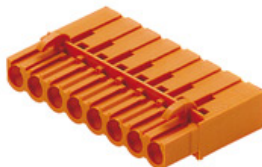
Female plugs with IDC wire connection system. The female plugs provide space for labelling and can be coded.

- 0.35 - 0.75 mm² (IEC) / 22 - 20 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 5 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1759600000	BLIDC 5.08/12/180B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, IDC connection, Clamping range, rated connection, max.: 0.75 mm ² , Box	IEC: 400 V / 11 A / 0.5 - 0.75 mm ² / UL: 300 V / 5 A / AWG 22 - AWG 20	4032248069835	50 pc(s).	Box

BLC 5.08R



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

- 0.25 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1712060000	BLC 5.08/12/180R BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 400 V / 21 A / UL: 300 V / 10 A / AWG 26 - AWG 14	4008190935078	50 pc(s).	Box
1610590000	BLC 5.08/12/180R OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 400 V / 21 A / UL: 300 V / 10 A / AWG 26 - AWG 14	4008190074197	50 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (fully pluggable)

BLT 5.08



Female plugs with TOP screw system for connecting wires with straight 180° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1500560000	BLT 5.08/12/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² / UL: 300 V / 10 A / AWG 26 - AWG 14	4008190006761	30 pc(s).	Box
1500510000	BLT 5.08/12/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² / UL: 300 V / 10 A / AWG 26 - AWG 14	4008190861780	30 pc(s).	Box

BLF 5.00/90 SN



Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.

In terms of versatility, the BLF 5.00 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1980270000	BLF 5.00HC/12/90 SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 90°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² / UL: 300 V / 10 A / AWG 12 - AWG 26	4032248675357	30 pc(s).	Box
1979370000	BLF 5.00HC/12/90 SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 90°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² / UL: 300 V / 10 A / AWG 12 - AWG 26	4032248674572	30 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (fully pluggable)

rated connection, max.: 3.31
 mm², Box

BLZFS 5.00/180


Female plugs with tension-clamp wire connection system, straight 180° outlet direction with sliced construction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1696470000	BLZFS 5.00/12/180 SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 2.5 mm², Box	IEC: 400 V / 17 A / 0.5 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 14	4008190878498	50 pc(s).	Box
1696700000	BLZFS 5.00/12/180 SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 2.5 mm², Box	IEC: 400 V / 17 A / 0.5 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 14	4008190878726	50 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)
BLZ 5.08/270B


Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1560610000	BLZ 5.08/12/270B SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190269777	24 pc(s).	Box
1560660000	BLZ 5.08/12/270B SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190049034	24 pc(s).	Box

BLZP 5.00/180LR SN


Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 - 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1956500000	BLZP 5.00/12/180LR SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248635276	24 pc(s).	Box
1956270000	BLZP 5.00/12/180LR SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248634965	24 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

rated connection, max.: 4 mm²,
 Box

BLZP 5.08/270LR SN



Female plugs with clamping-yoke screw connection for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1947630000	BLZP 5.08/12/270LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248624027	24 pc(s).	Box
1947860000	BLZP 5.08/12/270LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248624355	24 pc(s).	Box

BLZP 5.00/270F SN



Female plugs with clamping-yoke screw for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1959450000	BLZP 5.00/12/270F SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248638345	24 pc(s).	Box
1960620000	BLZP 5.00/12/270F SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248639588	24 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

12, 90°, Clamping yoke UL: 300 V / 10 A /
 connection, Clamping range, AWG 26 - AWG 12
 rated connection, max.: 4 mm²,
 Box

BLZP 5.08/225B SN



Clamping-yoke wire connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1945850000	BLZP 5.08/12/225B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248621378	24 pc(s).	Box

BLZ 5.08/225B



Female plugs with clamping-yoke screw for wire connection with 225° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1742430000	BLZ 5.08/12/225B SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248049837	24 pc(s).	Box
1742200000	BLZ 5.08/12/225B SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 225°, Clamping yoke connection, Clamping range,	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190247959	24 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

rated connection, max.: 3.31
 mm², Box

BLZF 5.08/90B



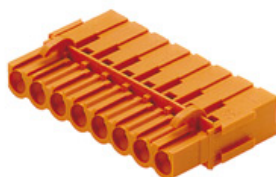
Female plugs with tension-clamp wire connection system. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1671350000	BLZF 5.08/12/90B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 16.5 A / 4008190433055 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12		24 pc(s).	Box
1671580000	BLZF 5.08/12/90B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 16.5 A / 4008190433284 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12		24 pc(s).	Box

BLC 5.08BR



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

- 0.25 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1712210000	BLC 5.08/12/180BR BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm², Box	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	4008190935221	50 pc(s).	Box
1649470000	BLC 5.08/12/180BR OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Crimp	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	4008190294588	50 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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 www.weidmueller.com

Mating connector (conditionally pluggable)

connection, Clamping range,
 rated connection, max.: 2.5
 mm², Box

BLZP 5.00/270LR SN


Female plugs with clamping-yoke screw for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1960860000	BLZP 5.00/12/270LR SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248639885	24 pc(s).	Box
1961090000	BLZP 5.00/12/270LR SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248640140	24 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

BLF 5.08/90LH SN



Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.08 – the PUSH-IN version of the BLZ 5.08 female header – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.

In terms of versatility, the BLF 5.08 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.
- Use the BLF 5.08 and SL 5.08HC plug combination in order to reach the max. rated specifications.

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1000740001	BLF 5.08HC/12/90LH SN BK BX	PCB plug-in connector, female	IEC: 400 V / 24 A / plug, 5.08 mm, No. of poles: 12, 0.2 - 2.5 mm ² 90°, PUSH IN, Clamping range, UL: 300 V / 16 A / rated connection, max.: 3.31 AWG 12 - AWG 26 mm ² , Box	4032248690930	24 pc(s).	Box
1002580000	BLF 5.08HC/12/90LH SN OR BX	PCB plug-in connector, female	IEC: 400 V / 24 A / plug, 5.08 mm, No. of poles: 12, 0.2 - 2.5 mm ² 90°, PUSH IN, Clamping range, UL: 300 V / 16 A / rated connection, max.: 3.31 AWG 12 - AWG 26 mm ² , Box	4032248694952	24 pc(s).	Box

BLZP 5.08/180LH SN



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1945390000	BLZP 5.08/12/180LH SN OR BX	PCB plug-in connector, female	IEC: 400 V / 19 A / plug, 5.08 mm, No. of poles: 0.2 - 4 mm ² 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620562	24 pc(s).	Box
1945620000	BLZP 5.08/12/180LH SN BK BX	PCB plug-in connector, female	IEC: 400 V / 19 A / plug, 5.08 mm, No. of poles: 0.2 - 4 mm ²	4032248620791	24 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

12, 180°, Clamping yoke UL: 300 V / 10 A /
 connection, Clamping range, AWG 30 - AWG 12
 rated connection, max.: 4 mm²,
 Box

BLZP 5.00/180F SN



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1955930000	BLZP 5.00/12/180F SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248634507	27 pc(s).	Box
1955700000	BLZP 5.00/12/180F SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248634231	27 pc(s).	Box

BLZP 5.00/270LH SN



Female plugs with clamping-yoke screw for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1961570000	BLZP 5.00/12/270LH SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248640843	24 pc(s).	Box

BL/SL 5.08 series

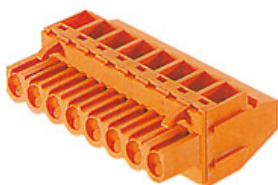
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

1961340000	BLZP 5.00/12/270LH SN OR BX	PCB plug-in connector, female	IEC: 400 V / 15.5 A / 4032248640614	24 pc(s).	Box
		plug, 5.00 mm, No. of poles:	0.2 - 4 mm ²		
		12, 90°, Clamping yoke	UL: 300 V / 10 A /		
		connection, Clamping range,	AWG 26 - AWG 12		
		rated connection, max.: 4 mm ² ,			
		Box			

BLZ 5.00/90B



Female plugs with clamping-yoke screw for wire connection with 90° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1637450000	BLZ 5.00/12/90B SN BK BX	PCB plug-in connector, female	IEC: 400 V / 15 A /	4008190274696	24 pc(s).	Box
		plug, 5.00 mm, No. of poles:	0.5 - 2.5 mm ²			
		12, 90°, Clamping yoke	UL: 300 V / 10 A /			
		connection, Clamping range,	AWG 26 - AWG 12			
		rated connection, max.: 3.31				
		mm ² , Box				
1637220000	BLZ 5.00/12/90B SN OR BX	PCB plug-in connector, female	IEC: 400 V / 15 A /	4008190274467	24 pc(s).	Box
		plug, 5.00 mm, No. of poles:	0.5 - 2.5 mm ²			
		12, 90°, Clamping yoke	UL: 300 V / 10 A /			
		connection, Clamping range,	AWG 26 - AWG 12			
		rated connection, max.: 3.31				
		mm ² , Box				

BLZP 5.08/180F SN



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 - 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1944430000	BLZP 5.08/12/180F SN BK BX	PCB plug-in connector, female	IEC: 400 V / 19 A /	4032248619009	27 pc(s).	Box
		plug, 5.08 mm, No. of poles:	0.2 - 4 mm ²			
		12, 180°, Clamping yoke	UL: 300 V / 10 A /			
		connection, Clamping range,	AWG 30 - AWG 12			

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

		rated connection, max.: 4 mm ² , Box			
1944190000	BLZP 5.08/12/180F SN OR BX	PCB plug-in connector, female	IEC: 400 V / 19 A /	4032248618774	27 pc(s). Box
		plug, 5.08 mm, No. of poles:	0.2 - 4 mm ²		
		12, 180°, Clamping yoke	UL: 300 V / 10 A /		
		connection, Clamping range,	AWG 30 - AWG 12		
		rated connection, max.: 4 mm ² , Box			

BLF 5.00/90LH SN



Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.

In terms of versatility, the BLF 5.00 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1980080000	BLF 5.00HC/12/90LH SN BK BX	PCB plug-in connector, female	IEC: 400 V / 20 A /	4032248675142	24 pc(s).	Box
		plug, No. of poles: 12, 90°,	0.2 - 2.5 mm ²			
		PUSH IN, Clamping range,	UL: 300 V / 10 A /			
		rated connection, max.: 3.31	AWG 12 - AWG 26			
		mm ² , Box				
1981470000	BLF 5.00HC/12/90LH SN OR BX	PCB plug-in connector, female	IEC: 400 V / 20 A /	4032248676774	24 pc(s).	Box
		plug, No. of poles: 12, 90°,	0.2 - 2.5 mm ²			
		PUSH IN, Clamping range,	UL: 300 V / 10 A /			
		rated connection, max.: 3.31	AWG 12 - AWG 26			
		mm ² , Box				

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

BLZP 5.08/180LR SN



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1944930000	BLZP 5.08/12/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248620005	24 pc(s).	Box
1945160000	BLZP 5.08/12/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248620302	24 pc(s).	Box

BLZP 5.08/90F SN



Female plugs with clamping-yoke screw connection for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1949900000	BLZP 5.08/12/90F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248627837	24 pc(s).	Box
1950140000	BLZP 5.08/12/90F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248628070	24 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

rated connection, max.: 4 mm²,
 Box

BLF 5.00/90LR SN


Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.

In terms of versatility, the BLF 5.00 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1979890000	BLF 5.00HC/12/90LR SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 90°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² / UL: 300 V / 10 A / AWG 12 - AWG 26	4032248674954	24 pc(s).	Box
1980970000	BLF 5.00HC/12/90LR SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 90°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² / UL: 300 V / 10 A / AWG 12 - AWG 26	4032248676088	24 pc(s).	Box

BLZ 5.08/180F


Female plugs with clamping-yoke screw connection for wire, with straight wire outlet and screw flange. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1802930000	BLZ 5.08/12/180F SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² / UL: 300 V / 15 A / AWG 26 - AWG 12	4032248258017	30 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

1803140000	BLZ 5.08/12/180F SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	4032248258246	30 pc(s).	Box
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BLZP 5.00/90F SN



Female plugs with clamping-yoke screw for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1959370000	BLZP 5.00/12/90F SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248638253	24 pc(s).	Box
1959650000	BLZP 5.00/12/90F SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248638581	24 pc(s).	Box

BLZ 5.08/180LR



Female plugs with clamping-yoke screw connection for wire, with straight wire outlet and release latch mechanism. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1893050000	BLZ 5.08/12/180LR SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, Clamping yoke connection, Clamping range,	IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	4032248507191	30 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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 www.weidmueller.com

Mating connector (conditionally pluggable)

rated connection, max.: 3.31
 mm², Box

1851300000	BLZ 5.08/12/180LR SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	4032248382675	30 pc(s).	Box
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BLT 5.08LR



Female plugs with TOP screw connection for wire, with straight wire outlet and release latch mechanism. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1890320000	BLT 5.08/12/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm², Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 14	4032248498802	24 pc(s).	Box
1894230000	BLT 5.08/12/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm², Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 14	4032248508570	24 pc(s).	Box

BLZF 5.08/270B



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1672730000	BLZF 5.08/12/270B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Tension clamp connection, Clamping range,	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190434441	24 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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 Fax: +49 5231 14-2083
 www.weidmueller.com

Mating connector (conditionally pluggable)

rated connection, max.: 3.31
 mm², Box

1672500000	BLZF 5.08/12/270B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 16.5 A / 4008190434212 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	24 pc(s).	Box
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BLL 5.08/180B


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

- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1682830000	BLL 5.08/12/180B 3.2SN OR BX	PCB plug-in connector, female header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	IEC: 400 V / 23 A UL: 300 V / 15 A	4008190474591	24 pc(s).	Box

BLZ 5.08/180LH


Female plugs with clamping-yoke screw connection for wire, with straight wire outlet and release lever mechanism. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1892290000	BLZ 5.08/12/180LH SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	4032248505692	30 pc(s).	Box
1893700000	BLZ 5.08/12/180LH SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, Clamping yoke	IEC: 400 V / 19 A / 0.2 - 2.5 mm²	4032248507887	30 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

connection, Clamping range, UL: 300 V / 15 A /
 rated connection, max.: 3.31 AWG 26 - AWG 12
 mm², Box

BLT 5.08F



Female plugs with TOP screw connection for wire, with straight wire outlet and screw flange. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1844320000	BLT 5.08/12/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	4032248356256	24 pc(s).	Box
1844090000	BLT 5.08/12/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	4032248356010	24 pc(s).	Box

BLF 5.00/90F SN



Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.

In terms of versatility, the BLF 5.00 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1979560000	BLF 5.00HC/12/90F SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 90°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	4032248674763	24 pc(s).	Box

BL/SL 5.08 series

SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

1980740000	BLF 5.00HC/12/90F SN OR BX	PCB plug-in connector, female	IEC: 400 V / 20 A /	4032248675890	24 pc(s).	Box
		plug, No. of poles: 12, 90°,	0.2 - 2.5 mm²			
		PUSH IN, Clamping range,	UL: 300 V / 10 A /			
		rated connection, max.: 3.31	AWG 12 - AWG 26			
		mm², Box				

BLF 5.08/90F SN



Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.08 – the PUSH-IN version of the BLZ 5.08 female header – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.

In terms of versatility, the BLF 5.08 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.
- Use the BLF 5.08 and SL 5.08HC plug combination in order to reach the max. rated specifications.

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1000320001	BLF 5.08HC/12/90F SN BK BX	PCB plug-in connector, female	IEC: 400 V / 24 A /	4032248690282	24 pc(s).	Box
		plug, 5.08 mm, No. of poles: 12, 0.2 - 2.5 mm²				
		90°, PUSH IN, Clamping range, UL: 300 V / 16 A /				
		rated connection, max.: 3.31	AWG 12 - AWG 26			
		mm², Box				
1002190000	BLF 5.08HC/12/90F SN OR BX	PCB plug-in connector, female	IEC: 400 V / 24 A /	4032248694341	24 pc(s).	Box
		plug, 5.08 mm, No. of poles: 12, 0.2 - 2.5 mm²				
		90°, PUSH IN, Clamping range, UL: 300 V / 16 A /				
		rated connection, max.: 3.31	AWG 12 - AWG 26			
		mm², Box				

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)
BLZF 5.08/180F


Female plugs with tension-clamp wire connection system, straight 180° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1803660000	BLZF 5.08/12/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4032248259069	24 pc(s).	Box
1803430000	BLZF 5.08/12/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4032248258833	24 pc(s).	Box

BLZ 5.08/90B


Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1556060000	BLZ 5.08/12/90B SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190058074	24 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)
BLZF 5.08/180LH


Female plugs with the time-saving tension-clamp wire connection system, with straight outlet direction and release lever or release latch mechanism. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1895820000	BLZF 5.08/12/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4032248510641	24 pc(s).	Box
1893260000	BLZF 5.08/12/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	4032248507405	24 pc(s).	Box

BLL 5.08/90FI


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

- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1843850000	BLL 5.08/12/90FI 3.2SN OR BX	PCB plug-in connector, female header, Inverted flange, Solder connection, 5.08 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	IEC: 400 V / 23 A UL: 300 V / 15 A	4032248355600	24 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)
BLZP 5.00/180LH SN


Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They also feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1957130000	BLZP 5.00/12/180LH SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248636006	24 pc(s).	Box
1956890000	BLZP 5.00/12/180LH SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4032248635771	24 pc(s).	Box

BLT 5.08LH


Female plugs with TOP screw connection for wire, with straight wire outlet and release lever mechanism. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1890090000	BLT 5.08/12/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	4032248498505	24 pc(s).	Box
1892590000	BLT 5.08/12/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	4032248506637	24 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)
BLZP 5.08/270LH SN


Female plugs with clamping-yoke screw connection for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1947340000	BLZP 5.08/12/270LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248623327	24 pc(s).	Box
1947110000	BLZP 5.08/12/270LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A / AWG 30 - AWG 12	4032248622979	24 pc(s).	Box

BLZ 5.00/270B


Female plugs with clamping-yoke screw for wire connection with 270° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1638140000	BLZ 5.00/12/270B SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	4008190275402	24 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)
BLZ 5.00/180F


Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1843620000	BLZ 5.00/12/180F SN BK BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² / UL: 300 V / 15 A / AWG 26 - AWG 12	4032248355341	50 pc(s).	Box
1843390000	BLZ 5.00/12/180F SN OR BX	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 12, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² / UL: 300 V / 15 A / AWG 26 - AWG 12	4032248355112	50 pc(s).	Box

BLZF 5.08/180LR


Female plugs with tension-clamp wire connection system, straight 180° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1892820000	BLZF 5.08/12/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² / UL: 300 V / 15 A / AWG 26 - AWG 12	4032248506965	24 pc(s).	Box
1851520000	BLZF 5.08/12/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² / UL: 300 V / 15 A / AWG 26 - AWG 12	4032248382989	24 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

rated connection, max.: 3.31
 mm², 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.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 14 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1651840000	BLDT 5.08/12-B SN OR BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A /	4008190400521	50 pc(s).	Box
1673880000	BLDT 5.08/12-B SN BK BX	PCB plug-in connector, female plug, No. of poles: 12, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A /	4008190435615	50 pc(s).	Box

BLZP 5.08/270F SN


Female plugs with clamping-yoke screw connection for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 - 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1950690000	BLZP 5.08/12/270F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A /	4032248628995	24 pc(s).	Box
1950410000	BLZP 5.08/12/270F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 270°, Clamping yoke connection, Clamping range,	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 10 A /	4032248628537	24 pc(s).	Box

BL/SL 5.08 series
SL-SMT 5.08/12/90G 1.5SN BK BX

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Mating connector (conditionally pluggable)

rated connection, max.: 4 mm²,
 Box

BLF 5.08/90LR SN


Just as reliable as the tried-and-tested original, with innovation in detail:

the BLF 5.08 – the PUSH-IN version of the BLZ 5.08 female header – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.

In terms of versatility, the BLF 5.08 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.
- Use the BLF 5.08 and SL 5.08HC plug combination in order to reach the max. rated specifications.

General ordering data

Order No.	Type	Version	Product data	GTIN (EAN)	Qty.	Packaging
1000510001	BLF 5.08HC/12/90LR SN BK BX	PCB plug-in connector, female	IEC: 400 V / 24 A / plug, 5.08 mm, No. of poles: 12,0.2 - 2.5 mm ² 90°, PUSH IN, Clamping range, UL: 300 V / 16 A / rated connection, max.: 3.31 AWG 12 - AWG 26 mm ² , Box	4032248690473	24 pc(s).	Box
1002380000	BLF 5.08HC/12/90LR SN OR BX	PCB plug-in connector, female	IEC: 400 V / 24 A / plug, 5.08 mm, No. of poles: 12,0.2 - 2.5 mm ² 90°, PUSH IN, Clamping range, UL: 300 V / 16 A / rated connection, max.: 3.31 AWG 12 - AWG 26 mm ² , Box	4032248694549	24 pc(s).	Box

