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**System pitch 5.08 mm (0.200 inch)
SL-SMT 5.08/02/180G 3.2SN BK BX**

Weidmüller Interface GmbH & Co. KG
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D-32758 Detmold
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www.weidmueller.com



High-temperature-resistant male connector, 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 can be labelled and coded.

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

General ordering data

Order No.	1838210000
Part designation	SL-SMT 5.08/02/180G 3.2SN BK BX
Version	PCB plug-in connector, male header, 5.08 mm, No. of poles: 2, 180°, Solder pin length: 3.2 mm, tinned, black, Reflow solder connection, Box
GTIN (EAN)	4032248348275
Qty.	100 pc(s).
Packaging	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Technical data

System parameters

Fitted to PCB	Reflow solder connection	Outgoing elbow	180°
Pitch in mm	5.08 mm	Pitch in inch	0.2 inch
No. of poles	2	Solder pin length	3.2 mm
Can be coded	Yes	No. of rows	1
Number of solder pins per pole	1	L1 in mm	5.08 mm
L1 in inch	0.2 inch		

Material data

Insulating material	LCP GF	Colour	black
Insulating material group	IIIa	Flammability class UL 94	V-0
Contact material	CuSn	Contact surface	tinned
Highest continuous operating temperature, min.	-25 °C	Highest continuous operating temperature, 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, no. of poles (Tu=40°C), min.	16 A	Rated current, no. of poles (Tu=40°C), max.	13 A
Rated voltage at overvoltage category/pollution degree III/3	250 V	Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Rated voltage for overvoltage class/pollution severity III/2	320 V	Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV
Rated voltage for overvoltage class/pollution severity II/2	400 V	Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV

CSA rating data

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

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

Approvals

Approvals institutes	CSA; GOSTME25; UR; ROHS
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Classifications

ETIM 3.0	EC001284	eClass 5.1	27-26-07-04
eClass 6.0	27-26-07-04		

Datasheet

System pitch 5.08 mm (0.200 inch)
SL-SMT 5.08/02/180G 3.2SN BK BX

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Technical data**Notes**

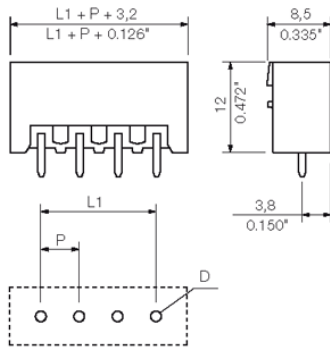
Notes

- 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 $D = 1.4 \pm 0.1$ mm
- Diameter of solder eyelet $D = 1.5 \pm 0.1$ mm 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.

Datasheet

System pitch 5.08 mm (0.200 inch)
SL-SMT 5.08/02/180G 3.2SN BK BX

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Drawings

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZP 5.08/225 SN



Clamping-yoke wire connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female connectors 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)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1946250000	BLZP 5.08/02/225 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 225°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248621828	180 pc(s).	Box
1946560000	BLZP 5.08/02/225 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 225°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248622337	180 pc(s).	Box

BL 5.08



Female connectors for conductor connection in leaf spring system. Packed in cardboard box. The female connectors provide space for labelling. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1716470000	BL 5.08/02/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Leaf spring connection, Clamping range, max.: 2.08 mm ² , Box	4008190376512	100 pc(s).	Box
1716320000	BL 5.08/02/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Leaf spring connection, Clamping range, max.: 2.08 mm ² , Box	4008190376345	100 pc(s).	Box
1723830000	BL 5.08/02/180 SN DKGX BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Leaf spring connection,	4008190376192	100 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

Clamping range, max.: 2.08
 mm², Box

BLZP 5.08/180 SN



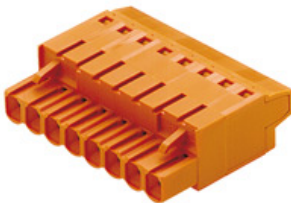
Female connectors with clamping yoke screw connection for conductor connection with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false 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)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1943810000	BLZP 5.08/02/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248617821	100 pc(s).	Box
1943580000	BLZP 5.08/02/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248617562	100 pc(s).	Box

BLT 5.08



Female connectors with TOP screw system for connecting conductors with straight 180° outlet direction. The female connectors include space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1499510000	BLT 5.08/02/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, max.: 2.5 mm ² , Box	4008190861704	180 pc(s).	Box
1499560000	BLT 5.08/02/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection,	4008190060640	180 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

Clamping range, max.: 2.5
mm², Box

BLF 5.08/90 SN



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

The BLF 5.0x – the PUSH-IN version of the BLZ 5.0x socket block – 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.

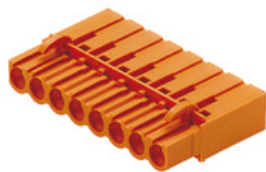
In terms of versatility, the BLF 5.0x offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, allow for user-friendly unplugging designs.

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1001530000	BLF 5.08/02/90 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, PUSH IN, Clamping range, max.: 3.31 mm ² , Box	4032248693337	180 pc(s).	Box
1000030001	BLF 5.08/02/90 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, PUSH IN, Clamping range, max.: 3.31 mm ² , Box	4032248689965	180 pc(s).	Box

BLC 5.08R



Female connectors for conductor connection with crimp connection system. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1610490000	BLC 5.08/02/180R OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Crimp connection, Clamping range, max.: 2.5 mm ² , Box	4008190057114	100 pc(s).	Box
1711960000	BLC 5.08/02/180R BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Crimp connection,	4008190934972	100 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

Clamping range, max.: 2.5
mm², Box

BLL 5.08/180



Female connector for PCB mounting. The solder pin length is optimised for wave flow soldering. Packed in cardboard box.

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

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1630710000	BLL 5.08/02/180 3.2SN OR BX	PCB plug-in connector, female header, 5.08 mm, No. of poles: 2, 180°, Solder pin length: 3.2 mm, tinned, Orange, Solder connection, Box	4008190204136	100 pc(s).	Box

BLZF 5.08/180



Female connectors for connecting conductors with tension clamp system, straight 180° outlet direction. The female connectors include space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1707690000	BLZF 5.08/02/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4008190316693	180 pc(s).	Box
1707460000	BLZF 5.08/02/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4008190389628	180 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLIDC 5.08



Female connectors for conductor connection with IDC system. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1724940000	BLIDC 5.08/02/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, IDC terminal, Clamping range, max.: 0.75 mm ² , Box	4008190377281	100 pc(s).	Box

BLZ 5.08/180



Female connectors with clamping yoke screw connection for conductor connection with straight outlet direction. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1526460000	BLZ 5.08/02/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190155834	100 pc(s).	Box
1526410000	BLZ 5.08/02/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190025038	100 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZF 5.08/90



Female connectors for connecting conductors with tension clamp system. The female connectors include space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1671020000	BLZF 5.08/02/90 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4008190432690	180 pc(s).	Box
1670790000	BLZF 5.08/02/90 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4008190432393	180 pc(s).	Box

BLDT 5.08



Female connectors with two clamping yoke screw connections per pole for conductor connection with 90° & 270° outlet direction. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

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

General ordering data

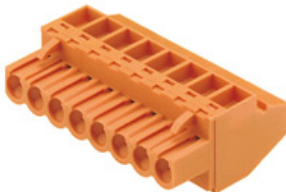
Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1660710000	BLDT 5.08/02/- SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°/270°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190417161	100 pc(s).	Box
1644730000	BLDT 5.08/02/- SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°/270°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190283940	100 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZ 5.08/90



Female connectors with clamping yoke screw connection. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1552760000	BLZ 5.08/02/90 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190151256	180 pc(s).	Box
1552710000	BLZ 5.08/02/90 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190267704	180 pc(s).	Box

BLL 5.08/90



Female connector for PCB mounting. The solder pin length is optimised for wave flow soldering. Packed in cardboard box.

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

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1622940000	BLL 5.08/02/90 3.2SN OR BX	PCB plug-in connector, female header, 5.08 mm, No. of poles: 2, 90°, Solder pin length: 3.2 mm, tinned, Orange, Solder connection, Box	4008190194000	100 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZ 5.08/225



Female connectors with clamping yoke screw connection for conductor connection with 225° outlet direction. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1741870000	BLZ 5.08/02/225 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 225°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190248727	180 pc(s).	Box
1741640000	BLZ 5.08/02/225 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 225°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190206147	180 pc(s).	Box

BLZ 5.08/270



Female connectors with clamping yoke screw connection. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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

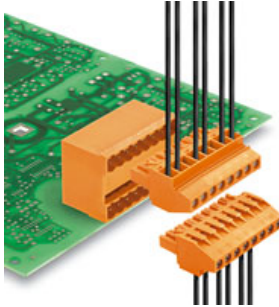
Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1557310000	BLZ 5.08/02/270 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190269425	180 pc(s).	Box
1557360000	BLZ 5.08/02/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190118167	180 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZP 5.08/270 SN



Socket connectors with clamping yoke screw connection for conductor connection with a right-angle (90° or 270°) outlet direction. The female connectors 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1949020000	BLZP 5.08/02/270 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248626472	180 pc(s).	Box
1948790000	BLZP 5.08/02/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248626243	180 pc(s).	Box

BLIDC 5.08B



Female connectors for conductor connection with IDC system. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1759610000	BLIDC 5.08/02/180B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, IDC terminal, Clamping range, max.: 0.75 mm ² , Box	4032248069842	100 pc(s).	Box
1759500000	BLIDC 5.08/02/180B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, IDC terminal, Clamping range, max.: 0.75 mm ² , Box	4032248069736	100 pc(s).	Box

Datasheet

System pitch 5.08 mm (0.200 inch)
SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZF 5.08/270



Female connectors for connecting conductors with tension clamp system. The female connectors include space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1672170000	BLZF 5.08/02/270 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4008190433888	180 pc(s).	Box
1671940000	BLZF 5.08/02/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4008190433659	180 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZP 5.08/270F SN



Socket connectors with clamping yoke screw connection for conductor connection with a right-angle (90° or 270°) outlet direction. The female connectors 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1950310000	BLZP 5.08/02/270F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248628421	90 pc(s).	Box
1950550000	BLZP 5.08/02/270F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248628674	90 pc(s).	Box

BLZP 5.08/180F SN



Female connectors with clamping yoke screw connection for conductor connection with straight (180°) outlet direction. The female connectors 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)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1944090000	BLZP 5.08/02/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248617470	100 pc(s).	Box
1944330000	BLZP 5.08/02/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248618903	100 pc(s).	Box

**System pitch 5.08 mm (0.200 inch)
SL-SMT 5.08/02/180G 3.2SN BK BX**

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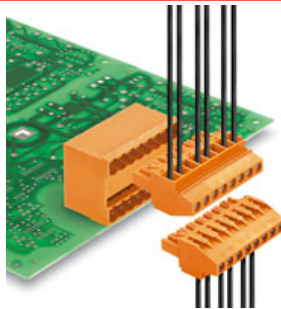
Counterpart
BLZ 5.08/180LH


Socket connectors with clamping yoke screw connection for conductor connection with 270° outlet direction and release lever or release latch mechanism. The female connectors provide space for labelling and can be coded. Packed in cardboard box.br/>

- 0.20–1.5 mm² (IEC) / 26–12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1893600000	BLZ 5.08/02/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4032248507788	100 pc(s).	Box
1892190000	BLZ 5.08/02/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4032248505517	100 pc(s).	Box

BLZP 5.08/90F SN


Socket connectors with clamping yoke screw connection for conductor connection with a right-angle (90° or 270°) outlet direction. The female connectors 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1949800000	BLZP 5.08/02/90F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248627721	90 pc(s).	Box
1950040000	BLZP 5.08/02/90F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248627974	90 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZ 5.08/180F



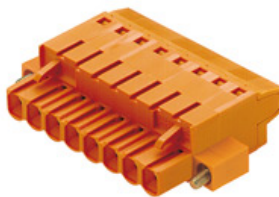
Female connectors with clamping yoke screw connection for conductor connection with straight outlet direction. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1803040000	BLZ 5.08/02/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4032248258147	100 pc(s).	Box
1802830000	BLZ 5.08/02/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4032248257676	100 pc(s).	Box

BLT 5.08F



Female connectors with TOP screw system for connecting conductors with straight 180° outlet direction. The female connectors include space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1843990000	BLT 5.08/02/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, max.: 2.5 mm ² , Box	4032248355914	90 pc(s).	Box
1844220000	BLT 5.08/02/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, max.: 2.5 mm ² , Box	4032248356140	90 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLL 5.08/90FI



Female connector for PCB mounting. The solder pin length is optimised for wave flow soldering. Packed in cardboard box.

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

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1843750000	BLL 5.08/02/90FI 3.2SN OR BX	PCB plug-in connector, female header, 5.08 mm, No. of poles: 2, 90°, Solder pin length: 3.2 mm, tinned, Orange, Solder connection, Box	4032248355501	100 pc(s).	Box

BLF 5.08/90LH SN



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

The BLF 5.0x – the PUSH-IN version of the BLZ 5.0x socket block – 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 5.0x 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, allow for user-friendly unplugging designs.

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1002480000	BLF 5.08/02/90LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, PUSH IN, Clamping range, max.: 3.31 mm², Box	4032248694853	90 pc(s).	Box
1000640001	BLF 5.08/02/90LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, PUSH IN, Clamping range, max.: 3.31 mm², Box	4032248690831	90 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLDT 5.08B



Female connectors with two clamping yoke screw connections per pole for conductor connection with 90° & 270° outlet direction. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1673780000	BLDT 5.08/02/-B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°/270°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190435509	100 pc(s).	Box
1651740000	BLDT 5.08/02/-B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°/270°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190400422	100 pc(s).	Box

BLZP 5.08/180LH SN



Female connectors with clamping yoke screw connection for conductor connection with straight (180°) outlet direction. The female connectors 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)
- 19 A (IEC) / 15 A (UL)

General ordering data

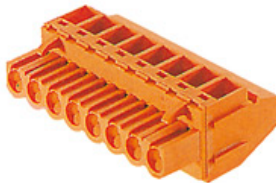
Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1945520000	BLZP 5.08/02/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248620692	100 pc(s).	Box
1945290000	BLZP 5.08/02/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248619863	100 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZ 5.08/90B



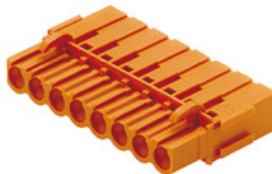
Female connectors with clamping yoke screw connection. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1555060000	BLZ 5.08/02/90B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190189563	150 pc(s).	Box

BLC 5.08BR



Female connectors for conductor connection with crimp connection system. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1712110000	BLC 5.08/02/180BR BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Crimp connection, Clamping range, max.: 2.5 mm ² , Box	4008190935122	100 pc(s).	Box
1649370000	BLC 5.08/02/180BR OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Crimp connection, Clamping range, max.: 2.5 mm ² , Box	4008190294496	100 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLF 5.08/90LR SN



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

The BLF 5.0x – the PUSH-IN version of the BLZ 5.0x socket block – 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 5.0x 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, allow for user-friendly unplugging designs.

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1002280000	BLF 5.08/02/90LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, PUSH IN, Clamping range, max.: 3.31 mm², Box	4032248694440	90 pc(s).	Box
1000410001	BLF 5.08/02/90LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, PUSH IN, Clamping range, max.: 3.31 mm², Box	4032248690374	90 pc(s).	Box

BLZP 5.08/270LR SN



Socket connectors with clamping yoke screw connection for conductor connection with a right-angle (90° or 270°) outlet direction. The female connectors 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1947530000	BLZP 5.08/02/270LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, max.: 4 mm², Box	4032248623822	90 pc(s).	Box
1947760000	BLZP 5.08/02/270LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 270°, Clamping yoke connection, Clamping range, max.: 4 mm², Box	4032248624157	90 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLL 5.08/180B



Female connector for PCB mounting. The solder pin length is optimised for wave flow soldering. Packed in cardboard box.

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

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1682730000	BLL 5.08/02/180B 3.2SN OR BX	PCB plug-in connector, female header, 5.08 mm, No. of poles: 2, 180°, Solder pin length: 3.2 mm, tinned, Orange, Solder connection, Box	4008190474492	100 pc(s).	Box

BLZF 5.08/180F



Female connectors for connecting conductors with tension clamp system, straight 180° outlet direction. The female connectors include space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1803560000	BLZF 5.08/02/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4032248258963	90 pc(s).	Box
1803330000	BLZF 5.08/02/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4032248258727	90 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZF 5.08/180LH



Socket blocks for conductor connection, featuring the time-saving tension clamp technology, with straight outlet direction and release lever or release latch mechanism. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 1.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1895720000	BLZF 5.08/02/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4032248510443	90 pc(s).	Box
1893160000	BLZF 5.08/02/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4032248507306	90 pc(s).	Box

BLT 5.08LR



Socket connectors with clamping yoke screw connection for conductor connection with 270° outlet direction and release lever or release latch mechanism. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 1.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1890220000	BLT 5.08/02/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, max.: 2.5 mm ² , Box	4032248498406	90 pc(s).	Box
1894130000	BLT 5.08/02/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, max.: 2.5 mm ² , Box	4032248508372	90 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLZ 5.08/180LR



Socket connectors with clamping yoke screw connection for conductor connection with 270° outlet direction and release lever or release latch mechanism. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 1.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Order No.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1851200000	BLZ 5.08/02/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4032248381272	100 pc(s).	Box
1892950000	BLZ 5.08/02/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4032248507092	100 pc(s).	Box

BLZF 5.08/90B



Female connectors for connecting conductors with tension clamp system. The female connectors include space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1671250000	BLZF 5.08/02/90B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4008190432959	150 pc(s).	Box
1671480000	BLZF 5.08/02/90B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Tension clamp connection, Clamping range, max.: 3.31 mm ² , Box	4008190433185	150 pc(s).	Box

System pitch 5.08 mm (0.200 inch) SL-SMT 5.08/02/180G 3.2SN BK BX

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Counterpart

BLT 5.08LH



Female connectors with TOP screw system for connecting conductors with straight 180° outlet direction. The female connectors include space for labelling and can be coded. Packed in cardboard box.

- 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1892490000	BLT 5.08/02/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, max.: 2.5 mm ² , Box	4032248506538	90 pc(s).	Box
1889960000	BLT 5.08/02/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, max.: 2.5 mm ² , Box	4032248498000	90 pc(s).	Box

BLZ 5.08/225B



Female connectors with clamping yoke screw connection for conductor connection with 225° outlet direction. The female connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.20 - 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.	Part designation	Version	GTIN (EAN)	Qty.	Packaging
1742330000	BLZ 5.08/02/225B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 225°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4032248049769	150 pc(s).	Box
1742100000	BLZ 5.08/02/225B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 225°, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Box	4008190243388	150 pc(s).	Box