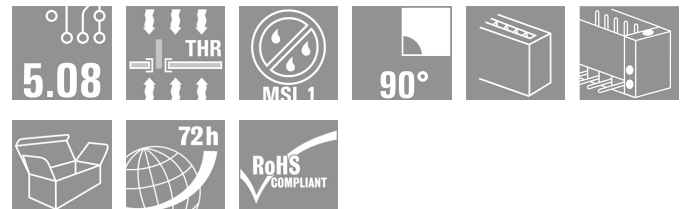


BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX

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 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
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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.	1837650000
Type	SL-SMT 5.08/04/90F 3.2SN BK BX
Version	PCB plug-in connector, male header, Flange, Reflow solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box
GTIN (EAN)	4032248347469
Qty.	100 pc(s).
Product data	IEC: 400 V / 19 A UL: 300 V / 15 A
Packaging	Box

Creation date March 8, 2013 10:40:46 PM CET

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Technical data**Dimensions and weights**

Net weight	2.6 g
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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	4
Solder pin length (l)	3.2 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)	1.4 mm
Solder eyelet hole diameter tolerance (D)+ 0,1 mm		L1 in mm	15.24 mm
L1 in inches	0.6 inch		


Material data

Insulating material	LCP GF	Colour	Black
Insulating material group	IIIa	UL 94 flammability rating	V-0
CTI	≥ 175	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		

Data sheet...

BL/SL 5.08 series SL-SMT 5.08/04/90F 3.2SN BK BX

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Technical data

Classifications

ETIM 3.0	EC001284	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

Notes

- Notes
- Gold-plated contact surfaces on request
 - Rated current related to rated cross-section & 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 drawing = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

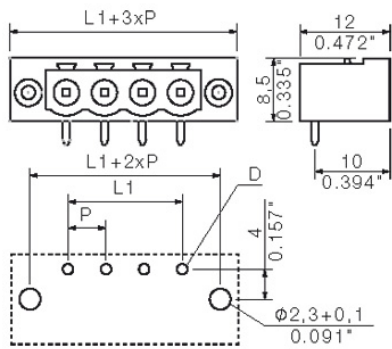
Approvals

Approvals



Data sheet...**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Drawings

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (fully pluggable)
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	GTIN (EAN)	Qty.	Product data	Packaging
1945310000	BLZP 5.08/04/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248619887	60 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1945540000	BLZP 5.08/04/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620715	60 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1803060000	BLZ 5.08/04/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248258161	60 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
1802850000	BLZ 5.08/04/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping	4032248257928	60 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (fully pluggable)

range, rated connection,
 max.: 3.31 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	GTIN (EAN)	Qty.	Product data	Packaging
1947780000	BLZP 5.08/04/270LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248624171	60 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1947550000	BLZP 5.08/04/270LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248623846	60 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLF 5.08/90F SN


Just as reliable as the tried-and-tested original, with innovation in detail: the BLF 5.08, PUSH-IN version of the BLZ 5.08 female header, features a new connection system and a more compact design. Weidmüller 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	GTIN (EAN)	Qty.	Product data	Packaging
1002110000	BLF 5.08HC/04/90F SN OR BX	PCB plug-in connector, female plug, 5.08 mm,	4032248694068	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 16 A / AWG 12 - AWG 26	Box

Creation date March 8, 2013 10:40:46 PM CET

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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 www.weidmueller.com

Mating connector (fully pluggable)

No. of poles: 4, 90°, PUSH
 IN spring connection,
 Clamping range, rated
 connection, max.: 3.31
 mm², Box

1000240001	BLF 5.08HC/04/90F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690206 60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 16 A / AWG 12 - AWG 26	Box
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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	GTIN (EAN)	Qty.	Product data	Packaging
1949820000	BLZP 5.08/04/90F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248627745 60 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1950060000	BLZP 5.08/04/90F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248627998 60 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (fully pluggable)
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	GTIN (EAN)	Qty.	Product data	Packaging
1894150000	BLT 5.08/04/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248508396	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
1890240000	BLT 5.08/04/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248498727	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

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

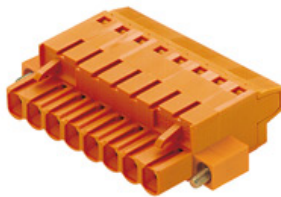
Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1947030000	BLZP 5.08/04/270LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248622795	60 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1947260000	BLZP 5.08/04/270LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping	4032248623211	60 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX

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Mating connector (fully pluggable)

range, rated connection,
 max.: 4 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	GTIN (EAN)	Qty.	Product data	Packaging
1844240000	BLT 5.08/04/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248356171	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
1844010000	BLT 5.08/04/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248355938	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

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	GTIN (EAN)	Qty.	Product data	Packaging
1945080000	BLZP 5.08/04/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620227	60 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1944850000	BLZP 5.08/04/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No.	4032248619450	60 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

Creation date March 8, 2013 10:40:46 PM CET

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (fully pluggable)

of poles: 4, 180°, Clamping
yoke connection, Clamping
range, rated connection,
max.: 4 mm², 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	GTIN (EAN)	Qty.	Product data	Packaging
1950330000	BLZP 5.08/04/270F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248628445	60 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1950570000	BLZP 5.08/04/270F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248628704	60 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1944110000	BLZP 5.08/04/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617494	60 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

**BL/SL 5.08 series
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Mating connector (fully pluggable)

1944350000 BLZP 5.08/04/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248618927 60 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
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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	GTIN (EAN)	Qty.	Product data	Packaging
1803580000	BLZP 5.08/04/180F SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248258987	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
1803350000	BLZF 5.08/04/180F SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248258758	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (fully pluggable)
BLF 5.08/90LR SN


Just as reliable as the tried-and-tested original, with innovation in detail: the BLF 5.08, PUSH-IN version of the BLZ 5.08 female header, features a new connection system and a more compact design. Weidmüller 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	GTIN (EAN)	Qty.	Product data	Packaging
1000430001	BLF 5.08HC/04/90LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690398	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 16 A / AWG 12 - AWG 26	Box
1002300000	BLF 5.08HC/04/90LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248694464	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 16 A / AWG 12 - AWG 26	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	GTIN (EAN)	Qty.	Product data	Packaging
1892510000	BLT 5.08/04/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping	4032248506552	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
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 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Mating connector (fully pluggable)

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

1889980000 BLT 5.08/04/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248498420 60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
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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	GTIN (EAN)	Qty.	Product data	Packaging
1892970000	BLZ 5.08/04/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248507115 60 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
1851220000	BLZ 5.08/04/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248381296 60 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

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	GTIN (EAN)	Qty.	Product data	Packaging
1893180000	BLZF 5.08/04/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°,	4032248507320 60 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

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**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (fully pluggable)

Tension clamp connection,
 Clamping range, rated
 connection, max.: 3.31
 mm², Box

1895740000 BLZF 5.08/04/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248510467 60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
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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	GTIN (EAN)	Qty.	Product data	Packaging
1892740000	BLZF 5.08/04/180LR SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248506781	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
1851430000	BLZF 5.08/04/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248382804	60 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (fully pluggable)
BLF 5.08/90LH SN


Just as reliable as the tried-and-tested original, with innovation in detail: the BLF 5.08, PUSH-IN version of the BLZ 5.08 female header, features a new connection system and a more compact design. Weidmüller 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	GTIN (EAN)	Qty.	Product data	Packaging
1000660001	BLF 5.08HC/04/90LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690855	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 16 A / AWG 12 - AWG 26	Box
1002500000	BLF 5.08HC/04/90LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248694877	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 16 A / AWG 12 - AWG 26	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	GTIN (EAN)	Qty.	Product data	Packaging
1892210000	BLZ 5.08/04/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping	4032248505531	60 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX

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Mating connector (fully pluggable)

	range, rated connection, max.: 3.31 mm ² , Box		
1893620000 BLZ 5.08/04/180LH SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248507801 60 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² Box UL: 300 V / 15 A / AWG 26 - AWG 12

BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX

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Mating connector (conditionally pluggable)
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	GTIN (EAN)	Qty.	Product data	Packaging
194600000	BLZP 5.08/04/225B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621521	78 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
194577000	BLZP 5.08/04/225B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621248	78 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
167242000	BLZF 5.08/04/270B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434137	78 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
167265000	BLZF 5.08/04/270B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated	4008190434366	78 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)

connection, max.: 3.31
 mm², 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	GTIN (EAN)	Qty.	Product data	Packaging
1742350000	BLZ 5.08/04/225B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248049783	78 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1742120000	BLZ 5.08/04/225B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190246440	78 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1630730000	BLL 5.08/04/180 3.2 SN OR BX	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190204150	90 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)
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	GTIN (EAN)	Qty.	Product data	Packaging
1741890000	BLZ 5.08/04/225 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190254155 90	pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1741660000	BLZ 5.08/04/225 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190202637 90	pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - 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	GTIN (EAN)	Qty.	Product data	Packaging
1707480000	BLZF 5.08/04/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190395858 90	pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
1707710000	BLZF 5.08/04/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated	4008190316716 90	pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX

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Mating connector (conditionally pluggable)

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	GTIN (EAN)	Qty.	Product data	Packaging
1948810000	BLZP 5.08/04/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626267	90 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1949040000	BLZP 5.08/04/270 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626496	90 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1526660000	BLZ 5.08/04/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190148232	100 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
1526610000	BLZ 5.08/04/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No.	4008190049454	100 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

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**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)

of poles: 4, 180°, Clamping
 yoke connection, Clamping
 range, rated connection,
 max.: 3.31 mm², Box

BLZ 5.08 QV2


Female plugs with clamping-yoke screw connections for connecting wire, with straight 180° wire outlet direction and internal cross-connections between connections 1-2 and 3-4. Bus current at 4 mm² (without wire-end ferrule) is up to 32 A. The female plugs can be coded.

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

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1839770000	BLZ 5.08/04/180QV2 SN OR BX PRT	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248350292	100 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1839780000	BLZ 5.08/04/180QV2 SN BK BX PRT	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248350308	100 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1843770000	BLL 5.08/04/90FI 3.2SN OR BX	PCB plug-in connector, female header, Inverted flange, Solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l):	4032248355525	60 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)

3.2 mm, tinned, Orange,
 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	GTIN (EAN)	Qty.	Product data	Packaging
1622960000	BLL 5.08/04/90 3.2 SN OR BX	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190194024	90 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	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	GTIN (EAN)	Qty.	Product data	Packaging
1555210000	BLZ 5.08/04/90B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267964	78 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1555260000	BLZ 5.08/04/90B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190169589	78 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)
BLZ 5.08F QV2


Female plugs with clamping-yoke screw connections for connecting wire, with straight 180° wire outlet direction and internal cross-connections between connections 1-2 and 3-4. Bus current at 4 mm² (without wire-end ferrule) is up to 32 A. The female plugs can be coded.

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

General ordering data

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
184450000	BLZ 5.08/04/180FQV2 SN BK BX PRT	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248354948	100 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
184687000	BLZ 5.08/04/180FQV2 SN OR BX PRT	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248362684	100 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BLF 5.08/90 SN


Just as reliable as the tried-and-tested original, with innovation in detail: the BLF 5.08, PUSH-IN version of the BLZ 5.08 female header, features a new connection system and a more compact design. Weidmüller 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	GTIN (EAN)	Qty.	Product data	Packaging
1000050001	BLF 5.08HC/04/90 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated	4032248689989	90 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 16 A / AWG 12 - AWG 26	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)

connection, max.: 3.31
 mm², Box

1001550000 BLF 5.08HC/04/90 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248693351 90 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 16 A / AWG 12 - AWG 26	Box
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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	GTIN (EAN)	Qty.	Product data	Packaging
1557560000	BLZ 5.08/04/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190104788 90 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1557510000	BLZ 5.08/04/270 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190269449 90 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZ 5.08/180B


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	GTIN (EAN)	Qty.	Product data	Packaging
1528910000	BLZ 5.08/04/180B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No.	4008190070014 100 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

Creation date March 8, 2013 10:40:46 PM CET

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Mating connector (conditionally pluggable)

of poles: 4, 180°, Clamping
 yoke connection, Clamping
 range, rated connection,
 max.: 3.31 mm², Box

1528960000 BLZ 5.08/04/180B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190041267 100 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1682750000	BLL 5.08/04/180B 3.2SN OR BX	PCB plug-in connector, female header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190474515 78 pc(s).		IEC: 400 V / 23 A UL: 300 V / 15 A	Box

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	GTIN (EAN)	Qty.	Product data	Packaging
1943600000	BLZP 5.08/04/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping	4032248617593 100 pc(s).		IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

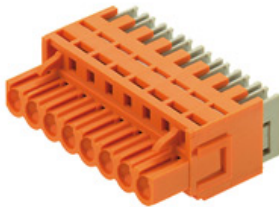
**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)

range, rated connection,
 max.: 4 mm², Box

1943830000 BLZP 5.08/04/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617869 100 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
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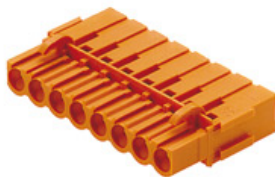
BLIDC 5.08B


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	GTIN (EAN)	Qty.	Product data	Packaging
1759630000	BLIDC 5.08/04/180B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, IDC terminal, Clamping range, rated connection, max.: 0.75 mm ² , Box	4032248069866 100 pc(s).		IEC: 400 V / 11 A / 0.5 - 0.75 mm ² UL: 300 V / 5 A / AWG 22 - AWG 20	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	GTIN (EAN)	Qty.	Product data	Packaging
1649390000	BLC 5.08/04/180BR OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190294502 100 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
1712130000	BLC 5.08/04/180BR BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp	4008190935146 100 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

Creation date March 8, 2013 10:40:46 PM CET

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)

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

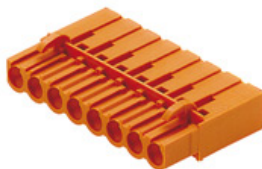
BLZP 5.08/225 SN


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	GTIN (EAN)	Qty.	Product data	Packaging
1946580000	BLZP 5.08/04/225 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248622351	90 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
1946270000	BLZP 5.08/04/225 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621842	90 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1610510000	BLC 5.08/04/180R OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190065102	100 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX

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Mating connector (conditionally pluggable)

1711980000 BLC 5.08/04/180R BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190934996 100 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
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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	GTIN (EAN)	Qty.	Product data	Packaging
1670810000	BLZF 5.08/04/90 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432416 90 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1671040000	BLZF 5.08/04/90 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432713 90 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1552960000	BLZ 5.08/04/90 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping	4008190123932 90 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)

yoke connection, Clamping
 range, rated connection,
 max.: 3.31 mm², Box

1552910000 BLZ 5.08/04/90 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267728 90 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
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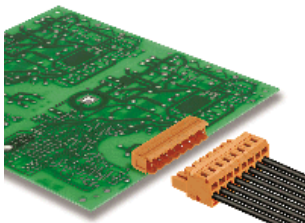
ZZ_Varianten


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	GTIN (EAN)	Qty.	Product data	Packaging
1528950000	BLZ 5.08/04/180B SN DKGN BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190290207	100 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BLZF 5.08/180B


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

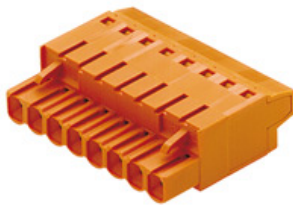
Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1708320000	BLZF 5.08/04/180B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated	4008190317782	78 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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 www.weidmueller.com

Mating connector (conditionally pluggable)

connection, max.: 3.31
 mm², Box

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	GTIN (EAN)	Qty.	Product data	Packaging
1499760000	BLT 5.08/04/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190037536	90 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
1499710000	BLT 5.08/04/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190861711	90 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

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	GTIN (EAN)	Qty.	Product data	Packaging
1559860000	BLZ 5.08/04/270B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190044305	78 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1559810000	BLZ 5.08/04/270B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping	4008190269678	78 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX

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 Fax: +49 5231 14-292083
 www.weidmueller.com

Mating connector (conditionally pluggable)

yoke connection, Clamping
 range, 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	GTIN (EAN)	Qty.	Product data	Packaging
1651760000	BLDT 5.08/04/-B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190400446	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1673800000	BLDT 5.08/04/-B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190435530	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1672190000	BLZF 5.08/04/270 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433901	90 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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Mating connector (conditionally pluggable)

1671960000 BLZF 5.08/04/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433673 90 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12
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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	GTIN (EAN)	Qty.	Product data	Packaging
1644750000	BLDT 5.08/04/- SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190283964	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1660730000	BLDT 5.08/04/- SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190417185	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1724960000	BLIDC 5.08/04/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, IDC terminal, Clamping range,	4008190377304	100 pc(s).	IEC: 400 V / 11 A / 0.5 - 0.75 mm ² UL: 300 V / 5 A / AWG 22 - AWG 20	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

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 Fax: +49 5231 14-292083
 www.weidmueller.com

Mating connector (conditionally pluggable)

rated connection, max.:
 0.75 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	GTIN (EAN)	Qty.	Product data	Packaging
1671270000	BLZF 5.08/04/90B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432973	78 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
1671500000	BLZF 5.08/04/90B SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433208	78 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	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	GTIN (EAN)	Qty.	Product data	Packaging
1716490000	BL 5.08/04/180 SN BK BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376536	100 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

**BL/SL 5.08 series
SL-SMT 5.08/04/90F 3.2SN BK BX**

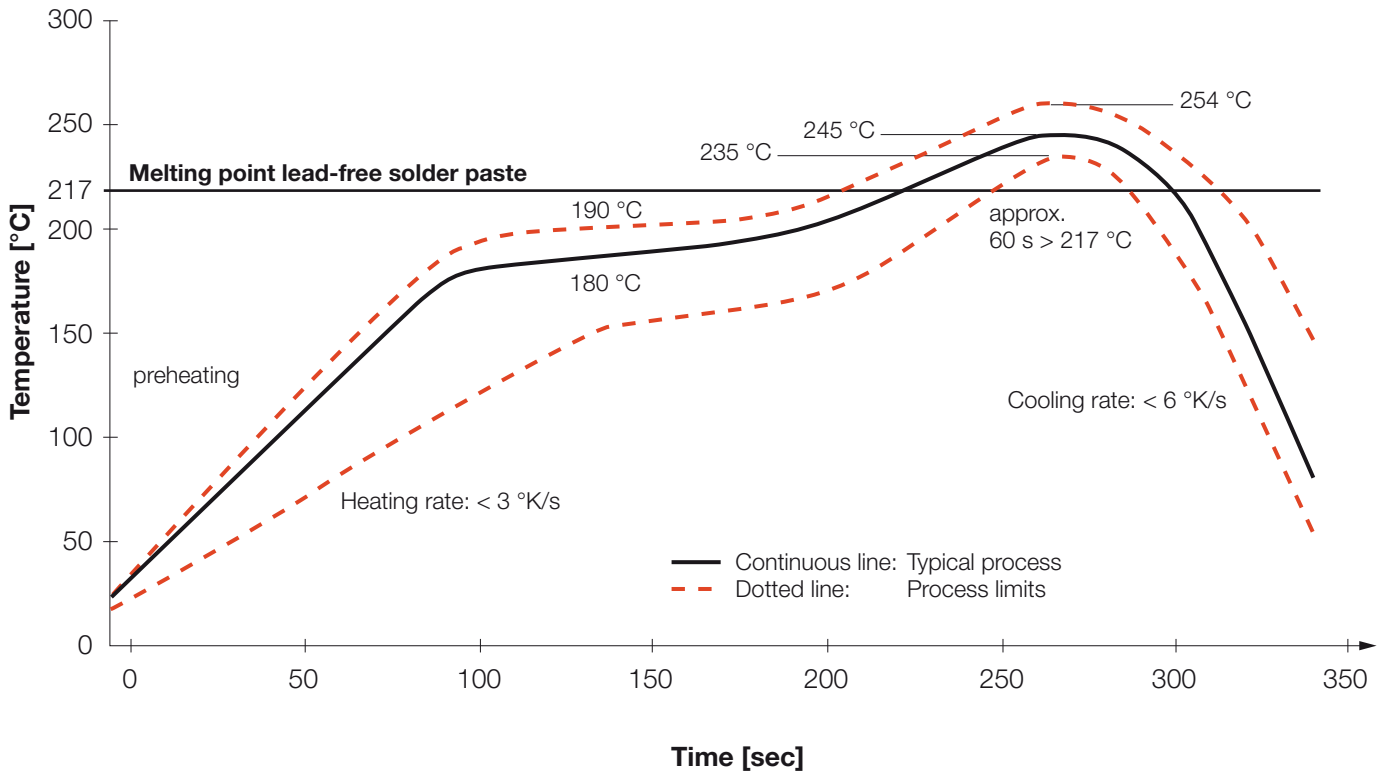
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Mating connector (conditionally pluggable)

1723850000 BL 5.08/04/180 SN DKGX BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376215 100 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 26 - AWG 14
1716340000 BL 5.08/04/180 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376376 100 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² Box UL: 300 V / 10 A / AWG 26 - AWG 14

Recommended reflow soldering profile

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Reflow soldering profile

The perfect soldering profile for SMT Surface Mount Technology is one the most exiting question in SMT production. But there are more than one correct answer: The diagram of temperature-on-time is related to processing features of solder paste and to maximum load of components.

We have to consider the following parameters:

- Time for pre heating
- Maximum temperature
- Time above melting point
- Time for cooling
- Maximum heating rate
- Maximum cooling rate

We recommend a typical solder profile with associated process limits. With preheating components and board are prepared smoothly for the solder phase. Heating rate is typically $\leq +3\text{K/s}$. In parallel the solder paste is 'activated'. The time above melting point of 217°C the paste gets liquid and components and boards begin to connect. The maximum temperature of 245°C to 254°C should stay between 10 and 40 seconds. In the cooling phase at $\geq -6\text{K/s}$ solder is cured. Board and components cool down while avoiding cold cracks.

