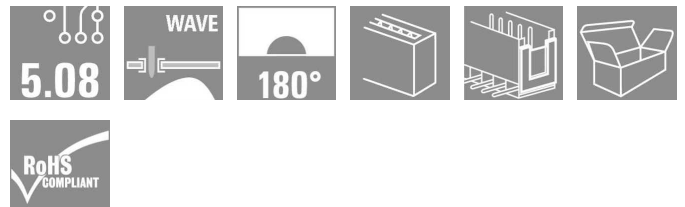


OMNIMATE Signal - series BL/SL 5.08
SL 5.08/08/180B 3.2SN OR BX

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



Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

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

General ordering data

Type	SL 5.08/08/180B 3.2SN OR BX
Order No.	1520160000
Version	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 8, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4008190136741
Qty.	50 pc(s).
Product data	IEC: 400 V / 18 A UL: 300 V / 15 A
Packaging	Box

Creation date December 16, 2013 10:33:29 PM CET

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Technical data

Dimensions and weights

Net weight 2.51 g

System parameters

Product family		Mounting onto the PCB	
OMNIMATE Signal - series BL/SL 5.08		Solder connection	
Pitch in mm (P)	5.08 mm	Pitch in inches (P)	0.2 inch
No. of poles	8	Solder pin length (l)	3.2 mm
Pin dimensions	d = 1.2 mm, Octagonal	Can be coded	Yes
Number of solder pins per pole	1	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	35.56 mm
L1 in inches	1.4 inch	Insulation resistance	> 10 ⁶ mΩ
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged

Material data

Insulating material	PBT	Colour	Orange
Insulating material group	IIIa	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned	Max. relative humidity during storage	80 %

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	18 A	Rated current, max. no. of poles (Tu=20°C)	14.5 A
Rated current, number of poles (Tu=40°C), min	15 A	Rated current, number of poles (Tu=40°C), max.	12 A
Rated voltage for surge voltage class pollution degree III/3	250 V	Rated impulse voltage for surge voltage classcontamination degree III/3	4 kV
Rated voltage for surge voltage class pollution degree III/2	320 V	Rated impulse voltage for surge voltage classpollution degree III/2	4 kV
Rated voltage for surge voltage class pollution degree II/2	400 V	Rated impulse voltage for surge voltage classpollution degree II/2	4 kV
Short-time withstand current resistance	3 x 1s with 120 A		

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		

**OMNIMATE Signal - series BL/SL 5.08
SL 5.08/08/180B 3.2SN OR BX**

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Technical data**Classifications**

ETIM 3.0	EC001284	UNSPSC	30-21-18-10
eClass 5.1	27-26-07-04	eClass 6.2	27-26-07-04
eClass 7.1	27-44-04-02		

Notes

Notes

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- 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



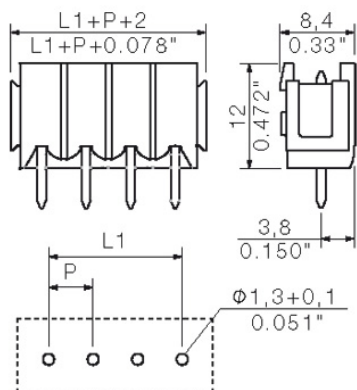
ROHS

Conform

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Drawings



OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZF 5.08/180LH



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/08/180LH SN OR BX	1895780000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248510504 36 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZF 5.08/08/180LH SN BK BX	1893220000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248507368 36 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/270LH SN BK BX	1947300000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248623266 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/08/270LH SN OR BX	1947070000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping	4032248622931 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

Creation date December 16, 2013 10:33:29 PM CET

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

range, rated connection,
 max.: 4 mm², 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/08/180LR SN BK BX	1945120000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620265	36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/08/180LR SN OR BX	1944890000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248619917	36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/270LR SN BK BX	1947820000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248624317	36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZP 1947590000 5.08HC/08/270LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248623884 36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/08/270 SN OR BX	1557960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190085902 42 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/08/270 SN BK BX	1557910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190269487 42 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/270F SN OR BX	1950370000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping	4032248628490 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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

Mating connector (conditionally pluggable)

BLZP 5.08HC/08/270F SN BK BX	1950640000	range, rated connection, max.: 4 mm ² , Box		
		PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248629015 36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² Box UL: 300 V / 15 A / AWG 30 - AWG 12

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BL 5.08/08/180 SN OR BX	1716380000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376420 50 pc(s).		IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BL 5.08/08/180 SN DKGX BX	1723890000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376253 50 pc(s).		IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BL 5.08/08/180 SN BK BX	1716530000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376604 50 pc(s).		IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZP 5.00/270LR SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/270LR SN OR BX	1960900000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639922	36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/270LR SN BK BX	1961130000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248640195	36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/08/180F SN OR BX	1803390000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248258796	36 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZF 5.08/08/180F SN BK BX	1803620000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated	4032248259021	36 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

connection, max.: 3.31
 mm², Box

BLZ 5.00/270



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.00/08/270 SN OR BX	1637640000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274887 42 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/08/270 SN BK BX	1637870000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275112 42 pc(s).		IEC: 400 V / 15 A / 0.5 - 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/08/180 SN OR BX	1707520000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190395889 42 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZF 5.08/08/180 SN BK BX	1707750000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190316754 42 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
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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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLIDC 5.08/08/180 SN OR BX	1725000000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, IDC terminal, Clamping range, rated connection, max.: 0.75 mm², Box	4008190377342 50 pc(s).		IEC: 400 V / 11 A / 0.5 - 0.75 mm² UL: 300 V / 5 A / AWG 22 - AWG 20	Box

BLZ 5.08/180LR



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/08/180LR SN BK BX	1893010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248507153 36 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/08/180LR SN OR BX	1851260000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping	4032248382637 36 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

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

BLZF 5.08/270



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/08/270 SN BK BX	1672230000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433949	42 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 5.08/08/270 SN OR BX	1672000000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433710	42 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 5.08/90



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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/08/90 SN OR BX	1670850000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432454	42 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZF 5.08/08/90 SN BK BX	1671080000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190432751 42 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
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BLZP 5.00/270LH SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/270LH SN BK BX	1961610000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248640881 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/270LH SN OR BX	1961380000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248640652 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.00/180LH SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/180LH SN BK BX	1957230000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping	4032248636051 36 pc(s).		IEC: 400 V / 19 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Fax: +49 5231 14-292083
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Mating connector (conditionally pluggable)

		yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box		
BLZP	1956930000	PCB plug-in connector,	4032248635818 36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² Box
5.00/08/180LH		female plug, 5.00 mm, No.		UL: 300 V / 15 A / AWG 30 - AWG 12
SN OR BX		of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box		

BLZF 5.08/180LR



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF	1851470000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248382941 36 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
5.08/08/180LR						
SN OR BX						
BLZF	1892780000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248506927 36 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
5.08/08/180LR						
SN BK BX						

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLIDC 5.08B



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLIDC 5.08/08/180B SN BK BX	1759670000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, IDC terminal, Clamping range, rated connection, max.: 0.75 mm ² , Box	4032248069903	50 pc(s).	IEC: 400 V / 11 A / 0.5 - 0.75 mm ² UL: 300 V / 5 A / AWG 22 - AWG 20	Box

BLZ 5.00/180F



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.00/08/180F SN OR BX	1843350000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248355075	50 pc(s).	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.00/08/180F SN BK BX	1843580000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248355303	50 pc(s).	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/08/180LR SN BK BX	1894190000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248508532	36 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box
BLT 5.08HC/08/180LR SN OR BX	1890280000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248498765	36 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box

BLZP 5.08/90F SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/90F SN BK BX	1950100000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248628032	36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/08/90F SN OR BX	1949860000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping	4032248627783	36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

range, rated connection,
 max.: 4 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/08/270 SN BK BX	1949080000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626533	42 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/08/270 SN OR BX	1948850000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626304	42 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLF 5.08/90LR SN



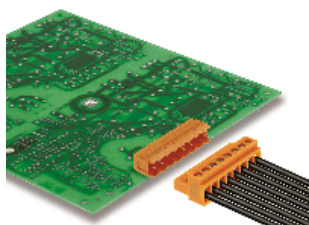
Just as reliable as the tried-and-tested original, with innovation in detail: the BLF 5.08, PUSH-IN version of the BLZ 5.08 female header, features a new connection system and a more compact design. Weidmüller innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/08/90LR SN BK BX	1000470001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690435	36 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box
BLF 5.08HC/08/90LR SN OR BX	1002340000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248694501	36 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

BL 5.00



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BL 5.00/08/180 SN BK BX	1730760000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Pressure clamp connection,	4008190387273	50 pc(s).	IEC: 400 V / 14 A / 0.5 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

		Clamping range, rated connection, max.: 2.08 mm ² , Box		
BL	1723170000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4032248002573 50 pc(s).	IEC: 400 V / 14 A / 0.5 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14
5.00/08/180				
SN OR BX				

BLZ 5.00/180



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1571410000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190052386 50 pc(s).		IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
5.00/08/180						
SN OR BX						
BLZ	1596110000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190014223 50 pc(s).		IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
5.00/08/180						
SN BK BX						

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1630770000	PCB plug-in connector,	4008190204198 42 pc(s).		IEC: 400 V / 23 A	Box
5.08/08/180		female header, closed side,			UL: 300 V / 15 A	
3.2 SN OR BX		Solder connection, 5.08 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1527060000	PCB plug-in connector,	4008190152314 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ²	Box
5.08/08/180		female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX						
BLZ	1527010000	PCB plug-in connector,	4008190138967 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ²	Box
5.08/08/180		female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN BK BX						

OMNIMATE Signal - series BL/SL 5.08
SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)**BLZP 5.00/270 SN**

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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/270 SN OR BX	1958810000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637645	42 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/270 SN BK BX	1959040000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637973	42 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.00/180 SN

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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/180 SN OR BX	1954430000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248633142	45 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/180 SN BK BX	1955510000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping	4032248634002	45 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

range, rated connection,
max.: 4 mm², 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1843810000	PCB plug-in connector, female header, Inverted flange, Solder connection, 5.08 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4032248355563	36 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box
5.08/08/90FI						
3.2SN OR BX						

BLZ 5.00/90



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1636950000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274191	42 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.00/08/90						
SN BK BX						
BLZ	1636000000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190265793	42 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.00/08/90						
SN OR BX						

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZP 5.00/270F SN



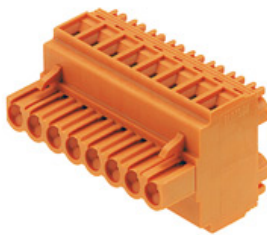
Female plugs with clamping-yoke screw for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/270F SN OR BX	1960400000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639267	36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/270F SN BK BX	1960660000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639625	36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLDT 5.08



Female plugs with two clamping-yoke screw connections per pole for wire connections with 90° and 270° outlet directions. The female plugs provide space for labelling and can be coded.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT 5.08/08/- SN OR BX	1644790000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190284008	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLDT 5.08/08/- SN BK BX	1660770000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping	4008190417222	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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

Mating connector (conditionally pluggable)

range, rated connection,
 max.: 3.31 mm², 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1730190000	PCB plug-in connector,	4050118007008	42 pc(s).	IEC: 400 V / 23 A	Box
5.08/08/90		female header, closed side,			UL: 300 V / 15 A	
3.2 SN BK BX		Solder connection, 5.08 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box				
BLL	1623000000	PCB plug-in connector,	4008190194055	42 pc(s).	IEC: 400 V / 23 A	Box
5.08/08/90		female header, closed side,			UL: 300 V / 15 A	
3.2 SN OR BX		Solder connection, 5.08 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP	1946620000	PCB plug-in connector,	4032248622399	42 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
5.08HC/08/225		female plug, 5.08 mm, No. of poles: 8, 225°, Clamping			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN BK BX		yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmuller.com

Mating connector (conditionally pluggable)

BLZP 5.08HC/08/225 SN OR BX	1946310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621880 42 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
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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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/08/180LH SN OR BX	1890050000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248498468 36 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box
BLT 5.08HC/08/180LH SN BK BX	1892550000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248506590 36 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/08/225 SN OR BX	1741700000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 225°, Clamping yoke connection, Clamping	4008190219093 42 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Germany
Fon: +49 5231 14-0
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www.weidmüller.com

Mating connector (conditionally pluggable)

		range, rated connection, max.: 3.31 mm ² , Box		
BLZ	1741930000	PCB plug-in connector,	4008190272876 42 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² Box
5.08/08/225		female plug, 5.08 mm, No.		UL: 300 V / 10 A / AWG 26 - AWG 12
SN BK BX		of poles: 8, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1892250000	PCB plug-in connector,	4032248505654 36 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ²	Box
5.08/08/180LH		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX		of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLZ	1893660000	PCB plug-in connector,	4032248507849 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ²	Box
5.08/08/180LH		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN BK BX		of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT	1500110000	PCB plug-in connector,	4008190861742 42 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/180		female plug, 5.08 mm,			UL: 300 V / 13 A / AWG 26 - AWG 14	
SN BK BX		No. of poles: 8, 180°, TOP				

Creation date December 16, 2013 10:33:29 PM CET

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Fon: +49 5231 14-0
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www.weidmueller.com

Mating connector (conditionally pluggable)

		connection, Clamping range, rated connection, max.: 2.5 mm ² , Box		
BLT	1500160000	PCB plug-in connector,	4008190099152 42 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² Box
5.08HC/08/180		female plug, 5.08 mm,		UL: 300 V / 13 A / AWG 26 - AWG 14
SN OR BX		No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF	1002150000	PCB plug-in connector,	4032248694105 36 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/90F		female plug, 5.08 mm,			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN OR BX		No. of poles: 8, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box			12	
BLF	1000280001	PCB plug-in connector,	4032248690244 36 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/08/90F		female plug, 5.08 mm,			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN BK BX		No. of poles: 8, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box			12	

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/08/180LH SN BK BX	1945580000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620753	36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/08/180LH SN OR BX	1945350000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620524	36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.00/180F SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/180F SN BK BX	1955970000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248634545	36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/180F SN OR BX	1955740000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping	4032248634279	36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Fon: +49 5231 14-0
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www.weidmueller.com

Mating connector (conditionally pluggable)

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

BLZP 5.00/90 SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/90 SN BK BX	1958590000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637331 42 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/90 SN OR BX	1958230000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637102 42 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/08/180F SN BK BX	1844280000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248356218 36 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Fon: +49 5231 14-0
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www.weidmuller.com

Mating connector (conditionally pluggable)

BLT 5.08HC/08/180F SN OR BX	1844050000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248355976 36 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box
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BLZP 5.00/180LR SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/180LR SN BK BX	1956540000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248635337 36 pc(s).		IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/180LR SN OR BX	1956310000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248635016 36 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/08/180F SN OR BX	1802890000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping	4032248257966 36 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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www.weidmueller.com

Mating connector (conditionally pluggable)

BLZ 5.08/08/180F SN BK BX	1803100000	range, rated connection, max.: 3.31 mm ² , Box		
		PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248258208 50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² Box UL: 300 V / 15 A / AWG 26 - AWG 12

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/08/90LH SN BK BX	1000700001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690893	36 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box
BLF 5.08HC/08/90LH SN OR BX	1002540000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248694914	36 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/08/180F SN OR BX	1944150000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248618736	36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/08/180F SN BK BX	1944390000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248618965	36 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZ 5.08/90



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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/08/90 SN OR BX	1553360000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190001315	42 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/08/90 SN BK BX	1553310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping	4008190267773	42 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Fon: +49 5231 14-0
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www.weidmueller.com

Mating connector (conditionally pluggable)

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

BLZP 5.00/90F SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/08/90F SN BK BX	1959690000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248638628 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/08/90F SN OR BX	1959460000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248638291 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.08/180 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/08/180 SN BK BX	1943870000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617913 45 pc(s).		IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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

Mating connector (conditionally pluggable)

BLZP 5.08/08/180 SN OR BX	1943640000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617647 45 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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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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/08/90 SN OR BX	1001590000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248693399 42 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box
BLF 5.08HC/08/90 SN BK BX	1000090001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690022 42 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (conditionally pluggable)

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

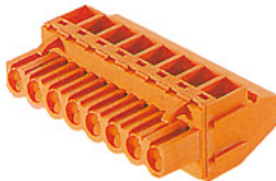
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC	1610550000	PCB plug-in connector,	4008190080563	50 pc(s).	IEC: 400 V / 21 A	Box
5.08/08/180R		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 14	
OR BX		of poles: 8, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box				
BLC	1712020000	PCB plug-in connector,	4008190935030	50 pc(s).	IEC: 400 V / 21 A	Box
5.08/08/180R		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 14	
BK BX		of poles: 8, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (fully pluggable)

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/08/90B SN OR BX	1555660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190136413 42 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZ 5.00/270B



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.00/08/270B SN BK BX	1638330000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275594 42 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/08/270B SN OR BX	1638100000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275365 42 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

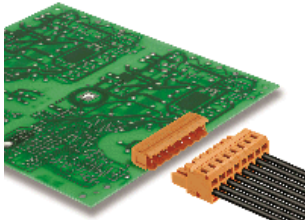
OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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 www.weidmueller.com

Mating connector (fully pluggable)

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF	1708360000	PCB plug-in connector,	4008190317829 42 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ²	Box
5.08/08/180B		female plug, 5.08 mm,			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX		No. of poles: 8, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

BLZ 5.00/90B



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1637180000	PCB plug-in connector,	4008190274429 42 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm ²	Box
5.00/08/90B		female plug, 5.00 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLZ	1637410000	PCB plug-in connector,	4008190274658 42 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm ²	Box
5.00/08/90B		female plug, 5.00 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN BK BX		of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (fully pluggable)

BLZF 5.08/90B



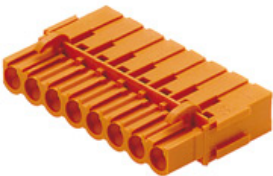
Female plugs with tension-clamp wire connection system. The female plugs provide space for labelling and can be coded.

- 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/08/90B SN OR BX	1671310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433017 42 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 5.08/08/90B SN BK BX	1671540000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433246 42 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/08/180BR BK BX	1712170000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190935184 50 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/08/180BR OR BX	1649430000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, Crimp connection, Clamping	4008190294540 50 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (fully pluggable)

range, rated connection,
 max.: 2.5 mm², 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1560260000	PCB plug-in connector,	4008190163396	42 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ²	Box
5.08/08/270B		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLZ	1560210000	PCB plug-in connector,	4008190269715	42 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ²	Box
5.08/08/270B		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN BK BX		of poles: 8, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF	1672460000	PCB plug-in connector,	4008190434175	42 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ²	Box
5.08/08/270B		female plug, 5.08 mm,			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		No. of poles: 8, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

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Mating connector (fully pluggable)

BLZF 5.08/08/270B SN BK BX	1672690000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190434403 42 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/08/180B 3.2SN OR BX	1682790000	PCB plug-in connector, female header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190474553 42 pc(s).		IEC: 400 V / 23 A UL: 300 V / 15 A	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT 5.08/08/-B SN OR BX	1651800000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190400484 50 pc(s).		IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLDT 5.08/08/-B SN BK BX	1673840000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 8, 180°, TOP	4008190435578 50 pc(s).		IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

Creation date December 16, 2013 10:33:30 PM CET

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (fully pluggable)

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

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1529350000	PCB plug-in connector,	4008190290245	50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ²	Box
5.08/08/180B		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN DKGN BX		of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1529310000	PCB plug-in connector,	4008190038601	50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ²	Box
5.08/08/180B		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN BK BX		of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLZ	1529360000	PCB plug-in connector,	4008190115999	50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ²	Box
5.08/08/180B		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX		of poles: 8, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/08/180B 3.2SN OR BX

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Mating connector (fully 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP	1945810000	PCB plug-in connector,	4032248621286	42 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
5.08HC/08/225B		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN OR BX		of poles: 8, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				
BLZP	1946040000	PCB plug-in connector,	4032248621576	42 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
5.08HC/08/225B		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN BK BX		of poles: 8, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1742390000	PCB plug-in connector,	4032248049813	42 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ²	Box
5.08/08/225B		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN BK BX		of poles: 8, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLZ	1742160000	PCB plug-in connector,	4008190247485	42 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ²	Box
5.08/08/225B		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		of poles: 8, 225°, Clamping yoke connection, Clamping				

OMNIMATE Signal - series BL/SL 5.08
SL 5.08/08/180B 3.2SN OR BX

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Mating connector (fully pluggable)

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