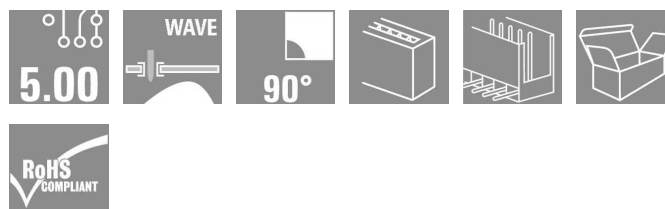


OMNIMATE Signal - series BL/SL 5.00
SL 5.00/10/90 4.5SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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www.weidmueller.com



Male connectors with 90° 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 5.00/10/90 4.5SN BK BX
Order No.	1626060000
Version	PCB plug-in connector, male header, open side, Solder connection, 5.00 mm, No. of poles: 10, 90°, Solder pin length (l): 4.5 mm, tinned, Black, Box
GTIN (EAN)	4008190197360
Qty.	50 pc(s).
Product data	IEC: 400 V / 18 A UL: 300 V / 15 A
Packaging	Box

Creation date December 24, 2013 2:18:35 AM CET

OMNIMATE Signal - series BL/SL 5.00

SL 5.00/10/90 4.5SN BK BX

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Technical data

Dimensions and weights

Net weight	3.9 g
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System parameters

Product family	OMNIMATE Signal - series BL/SL 5.00	Mounting onto the PCB	Solder connection
Outgoing elbow	90°	Pitch in mm (P)	5 mm
Pitch in inches (P)	0.197 inch	No. of poles	10
Solder pin length (l)	4.5 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	45 mm	L1 in inches	1.772 inch
Insulation resistance	10 ³ Ω	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	Black
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		

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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

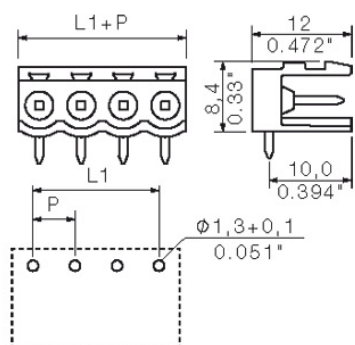
Conform

DownloadsCAD Library (P-CAD Format - ASCII) [SL.zip](#)CAD Library (P-CAD Format - Standard) [SL.zip](#)[3-D model](#)

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/10/90 4.5SN BK BX

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Drawings

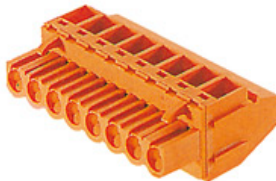


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Mating connector (conditionally pluggable)

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 5.08/10/90B SN OR BX	1555860000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190158866 30 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/10/180LH SN OR BX	1895800000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248510627 30 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 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

BLZP 5.08/270LH SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/10/270LH SN OR BX	1947090000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248622955	30 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/10/270LH SN BK BX	1947320000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248623297	30 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.08/180LR 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 5.08/10/180LR SN BK BX	1945140000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620289	30 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

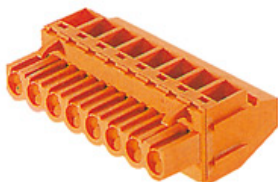
OMNIMATE Signal - series BL/SL 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

BLZP 1944910000 5.08/10/180LR SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248619962 30 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
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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 5.00/10/90B SN BK BX	1637430000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190274672 30 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/10/90B SN OR BX	1637200000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190274443 30 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - 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/10/270LR SN OR BX	1947610000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°	4032248623907 30 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

		Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box		
BLZP	1947840000	PCB plug-in connector,	4032248624331 30 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² Box
5.08HC/10/270LR		female plug, 5.08 mm,		UL: 300 V / 15 A / AWG 30 - AWG 12
SN BK BX		No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , 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

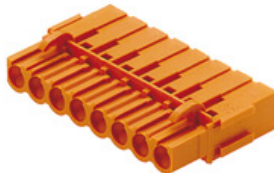
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF	1671560000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433260 30 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/10/90B						
SN BK BX						
BLZF	1671330000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433031 30 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/10/90B						
SN OR BX						

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Mating connector (conditionally pluggable)

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 5.08/10/180BR OR BX	1649450000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190294564	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/10/180BR BK BX	1712190000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190935207	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	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/10/270F SN BK BX	1950660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248629039	30 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/10/270F SN OR BX	1950390000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated	4032248628513	30 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 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

connection, max.: 4 mm²,
 Box

BLF 5.00/90LH SN



Just as reliable as the tried-and-tested original, with innovation in detail: the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate. In terms of versatility, the BLF 5.00 offers just as much as the older versions:

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF	1980060000	PCB plug-in connector,	4032248675	128 30 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ²	Box
5.00HC/10/90LH		female plug, 5.00 mm, No.			UL: 300 V / 10 A / AWG 12 - AWG 26	
SN BK BX		of poles: 10, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLF	1981450000	PCB plug-in connector,	4032248676	750 30 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ²	Box
5.00HC/10/90LH		female plug, 5.00 mm, No.			UL: 300 V / 10 A / AWG 12 - AWG 26	
SN OR BX		of poles: 10, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

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Mating connector (conditionally pluggable)

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 5.08/10/90FI 3.2SN OR BX	1843830000	PCB plug-in connector, female header, Inverted flange, Solder connection, 5.08 mm, No. of poles: 10, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4032248355587	30 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 5.08/10/-B SN OR BX	1651820000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190400507	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 5.08/10/-B SN BK BX	1673860000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190435592	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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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 5.00/10/270LR SN OR BX	1960880000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639908	30 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/10/270LR SN BK BX	1961110000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248640171	30 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.00/270F 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 5.00/10/270F SN OR BX	1960380000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639243	30 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/10/270F SN BK BX	1960640000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping	4032248639601	30 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 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

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

BLZP 5.08/225B SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/10/225B SN BK BX	1946060000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621590	30 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/10/225B SN OR BX	1945830000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621309	30 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	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 5.08/10/225B SN BK BX	1742410000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 225°, Clamping yoke connection, Clamping range, rated	4032248049820	30 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 5.00

SL 5.00/10/90 4.5SN BK BX

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

Mating connector (conditionally pluggable)

		connection, max.: 3.31 mm², Box			
BLZ	1742180000	PCB plug-in connector,	4008190247492 30 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm²	Box
5.08/10/225B		female plug, 5.08 mm,		UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		No. of poles: 10, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², 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	1803410000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248258819 30 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
5.08/10/180F						
SN OR BX						
BLZF	1803640000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248259045 30 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
5.08/10/180F						
SN BK BX						

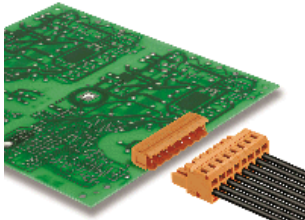
OMNIMATE Signal - series BL/SL 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally 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 5.08/10/180B SN OR BX	1708380000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190316402	30 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/10/180LH SN BK BX	1892570000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248506613	30 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/10/180LH SN OR BX	1890070000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248498482	30 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 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

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	1682810000	PCB plug-in connector,	4008190474577	30 pc(s).	IEC: 400 V / 23 A	Box
5.08/10/180B		female header, Dovetails			UL: 300 V / 15 A	
3.2SN OR BX		for fixing blocks, Solder connection, 5.08 mm, No. of poles: 10, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, 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	1529550000	PCB plug-in connector,	4008190290269	50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ²	Box
5.08/10/180B		female plug, 5.08 mm,			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN DKGN BX		No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

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Mating connector (conditionally pluggable)

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 5.08/10/180LR SN BK BX	1893030000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248507177 30 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/10/180LR SN OR BX	1851280000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248382651 30 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	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 5.08/10/180LH SN OR BX	1892270000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248505678 30 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/10/180LH SN BK BX	1893680000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°,	4032248507863 40 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 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

Clamping yoke connection,
 Clamping range, rated
 connection, max.: 3.31
 mm², 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 5.00/10/270B SN BK BX	1638350000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275617	30 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/10/270B SN OR BX	1638120000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275389	30 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZP 5.08/180LH SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/10/180LH SN OR BX	1945370000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection,	4032248620548	30 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 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

		Clamping range, rated connection, max.: 4 mm ² , Box		
BLZP	1945600000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620777 30 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12
5.08/10/180LH				
SN BK BX				

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	1957210000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248636037	30 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
5.00/10/180LH						
SN BK BX						
BLZP	1956910000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248635795	30 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
5.00/10/180LH						
SN OR BX						

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Mating connector (conditionally pluggable)

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 5.00/10/270LH SN BK BX	1961590000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248640867	30 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/10/270LH SN OR BX	1961360000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248640638	30 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.00/180F 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 5.00/10/180F SN BK BX	1955950000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248634521	30 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/10/180F SN OR BX	1955720000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 180°, Clamping yoke connection,	4032248634255	30 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 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

Clamping 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/10/180F SN OR BX	1844070000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248355990	30 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/10/180F SN BK BX	1844300000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248356232	30 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box

BLZP 5.00/180LR 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 5.00/10/180LR SN OR BX	1956290000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248634996	30 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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Mating connector (conditionally pluggable)

BLZP 5.00/10/180LR SN BK BX	1956520000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248635306 30 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/10/180LR SN OR BX	1851490000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248382965 30 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - 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 5.08/10/180F SN OR BX	1802910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248257980 30 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

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Mating connector (conditionally pluggable)

BLZ 5.08/10/180F SN BK BX	1803120000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248258222 30 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
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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 5.08/10/180B SN BK BX	1529510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190113643 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/10/180B SN OR BX	1529560000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190158224 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

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Mating connector (conditionally pluggable)

BLF 5.00/90F SN



Just as reliable as the tried-and-tested original, with innovation in detail:
the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.
In terms of versatility, the BLF 5.00 offers just as much as the older versions:

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/10/90F SN OR BX	1980720000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248675876	30 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
BLF 5.00HC/10/90F SN BK BX	1979540000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248674749	30 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/10/180F SN OR BX	1944170000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated	4032248618750	30 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 5.00 SL 5.00/10/90 4.5SN BK BX

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www.weidmueller.com

Mating connector (conditionally pluggable)

		connection, max.: 4 mm ² , Box		
BLZP	1944410000	PCB plug-in connector,	4032248618989 30 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² Box
5.08/10/180F		female plug, 5.08 mm,		UL: 300 V / 15 A / AWG 30 - AWG 12
SN BK BX		No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , 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	1843370000	PCB plug-in connector,	4032248355099 50 pc(s).		IEC: 400 V / 19 A / 0.5 - 2.5 mm ²	Box
5.00/10/180F		female plug, 5.00 mm,			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX		No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLZ	1843600000	PCB plug-in connector,	4032248355327 50 pc(s).		IEC: 400 V / 19 A / 0.5 - 2.5 mm ²	Box
5.00/10/180F		female plug, 5.00 mm,			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN BK BX		No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

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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/10/180LR SN BK BX	1894210000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248508556 30 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/10/180LR SN OR BX	1890300000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248498789 30 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box

BLZP 5.00/90F 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 5.00/10/90F SN OR BX	1959430000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248638277 30 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/10/90F SN BK BX	1959670000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping	4032248638604 30 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 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

range, rated connection,
 max.: 4 mm², 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/10/90F SN BK BX	1950120000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248628056	30 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/10/90F SN OR BX	1949880000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248627806	30 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZ 5.08/270B



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 5.08/10/270B SN OR BX	1560460000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190156947	30 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 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

BLZ	1560410000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190269753 30 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/10/270B					
SN BK BX					

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	1672710000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190434427 30 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/10/270B						
SN BK BX						
BLZF	1672480000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190434199 30 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/10/270B						
SN OR BX						

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (conditionally pluggable)

BLF 5.00/90LR SN



Just as reliable as the tried-and-tested original, with innovation in detail:
the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.
In terms of versatility, the BLF 5.00 offers just as much as the older versions:

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/10/90LR SN BK BX	1979870000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248674930	30 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
BLF 5.00HC/10/90LR SN OR BX	1980950000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248676064	30 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully 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 5.08/10/180LH SN BK BX	1893240000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248507382 30 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/10/180 SN OR BX	1527260000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190186265 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/10/180 SN BK BX	1527210000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190015602 50 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 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

BLF 5.00/90 SN



Just as reliable as the tried-and-tested original, with innovation in detail:
the BLF 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.
In terms of versatility, the BLF 5.00 offers just as much as the older versions:

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/10/90 SN BK BX	1979350000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248674558	36 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
BLF 5.00HC/10/90 SN OR BX	1980250000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248675333	36 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

BLZP 5.00/270 SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/10/270 SN BK BX	1959020000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping	4032248637959	36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

		range, rated connection, max.: 4 mm ² , Box		
BLZP	1958790000	PCB plug-in connector,	4032248637621 36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² Box
5.00/10/270		female plug, 5.00 mm, No.		UL: 300 V / 15 A / AWG 30 - AWG 12
SN OR BX		of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box		

BLZP 5.00/180 SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP	1954410000	PCB plug-in connector,	4032248633128 45 pc(s).		IEC: 400 V / 19 A / 0.2 - 4 mm ²	Box
5.00/10/180		female plug, 5.00 mm,			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN OR BX		No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				
BLZP	1955490000	PCB plug-in connector,	4032248633982 45 pc(s).		IEC: 400 V / 19 A / 0.2 - 4 mm ²	Box
5.00/10/180		female plug, 5.00 mm,			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN BK BX		No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

BLZ 5.08/270



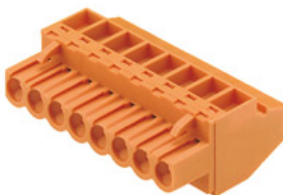
Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

- 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 5.08/10/270 SN BK BX	1558110000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190269500	36 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/10/270 SN OR BX	1558160000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190184247	36 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZ 5.00/90



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 5.00/10/90 SN OR BX	1636020000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190265779	36 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/10/90 SN BK BX	1636970000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping	4008190274214	36 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 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

range, rated connection,
 max.: 3.31 mm², 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BL	1723910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376277	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
5.08/10/180 SN DKGN BX						
BL	1716550000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376628	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
5.08/10/180 SN BK BX						
BL	1716400000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376444	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
5.08/10/180 SN OR BX						

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Mating connector (fully pluggable)

BLZ 5.00/270



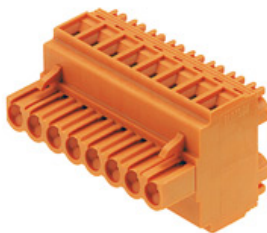
Female plugs with clamping-yoke screw for wire connection with 270° outlet direction. The female plugs provide space for labelling and can be coded.

- 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 5.00/10/270 SN OR BX	1637660000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274900	36 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/10/270 SN BK BX	1637890000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275150	36 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - 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 5.08/10/- SN OR BX	1644810000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190284022	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 5.08/10/- SN BK BX	1660790000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping	4008190417246	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 5.00 SL 5.00/10/90 4.5SN BK BX

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

Mating connector (fully 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	1623020000	PCB plug-in connector,	4008190194079	36 pc(s).	IEC: 400 V / 23 A	Box
5.08/10/90		female header, closed side,			UL: 300 V / 15 A	
3.2 SN OR BX		Solder connection, 5.08 mm, No. of poles: 10, 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	1946640000	PCB plug-in connector,	4032248622412	36 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
5.08HC/10/225		female plug, 5.08 mm,			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN BK BX		No. of poles: 10, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				
BLZP	1946330000	PCB plug-in connector,	4032248621903	36 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
5.08HC/10/225		female plug, 5.08 mm,			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN OR BX		No. of poles: 10, 225°, Clamping yoke connection, Clamping range, rated				

OMNIMATE Signal - series BL/SL 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

connection, max.: 4 mm²,
 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 5.08/10/180 SN BK BX	1707770000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190316778	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 5.08/10/180 SN OR BX	1707540000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190950200	36 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	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 5.08/10/225 SN BK BX	1741950000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190272883	36 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 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

BLZ 5.08/10/225 SN OR BX	1741720000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190222246 36 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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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 5.08/10/180 SN OR BX	1725020000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, IDC terminal, Clamping range, rated connection, max.: 0.75 mm², Box	4008190377366 50 pc(s).		IEC: 400 V / 11 A / 0.5 - 0.75 mm² UL: 300 V / 5 A / AWG 22 - AWG 20	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 5.08/10/270 SN BK BX	1672250000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190433963 36 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZF 5.08/10/270 SN OR BX	1672020000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°	4008190433734 36 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00

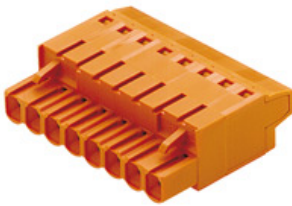
SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

Tension clamp connection,
 Clamping range, rated
 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/10/180 SN BK BX	1500310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190861766	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/10/180 SN OR BX	1500360000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190103422	36 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	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 5.08/10/90 SN BK BX	1671100000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432775	36 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 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

BLZF 5.08/10/90 SN OR BX	1670870000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190432461 36 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 5.00/90 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 5.00/10/90 SN OR BX	1958160000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248637089 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/10/90 SN BK BX	1958570000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248637317 36 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	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 5.08/10/180LR SN BK BX	1892800000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°	4032248506941 30 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

Tension clamp connection,
 Clamping range, rated
 connection, max.: 3.31
 mm², 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 5.08/10/90 SN BK BX	1553510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267797	36 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/10/90 SN OR BX	1553560000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190016852	36 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZP 5.08/270 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/10/270 SN OR BX	1948870000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated	4032248626328	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 5.00

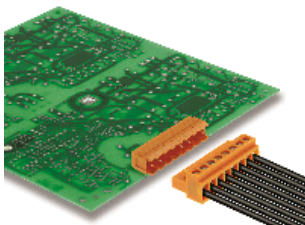
SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

		connection, max.: 4 mm ² , Box		
BLZP	1949100000	PCB plug-in connector,	4032248626557 36 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² Box
5.08HC/10/270		female plug, 5.08 mm,		UL: 300 V / 15 A / AWG 30 - AWG 12
SN BK BX		No. of poles: 10, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , 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	1723190000	PCB plug-in connector,	4032248002597 50 pc(s).		IEC: 400 V / 14 A / 0.5 - 1.5 mm ²	Box
5.00/10/180		female plug, 5.00 mm,			UL: 300 V / 10 A / AWG 26 - AWG 14	
SN OR BX		No. of poles: 10, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box				
BL	1730780000	PCB plug-in connector,	4008190387259 50 pc(s).		IEC: 400 V / 14 A / 0.5 - 1.5 mm ²	Box
5.00/10/180		female plug, 5.00 mm,			UL: 300 V / 10 A / AWG 26 - AWG 14	
SN BK BX		No. of poles: 10, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.00

SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

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 5.08/10/180 SN BK BX	1943890000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248618002	45 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/10/180 SN OR BX	1943660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617678	45 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/10/180 3.2 SN OR BX	1630790000	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 10, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190204228	36 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

BLZ 5.00/180



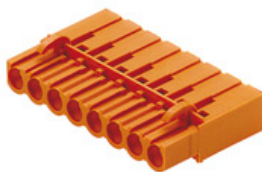
Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.00/10/180 SN OR BX	1571430000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190163488 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 5.00/10/180 SN BK BX	1596120000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 10, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190170417 50 pc(s).		IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/10/180R BK BX	1712040000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190935054 50 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/10/180R OR BX	1610570000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 10, 180°, Crimp connection, Clamping	4008190128180 50 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

OMNIMATE Signal - series BL/SL 5.00
SL 5.00/10/90 4.5SN BK BX

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Mating connector (fully pluggable)

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