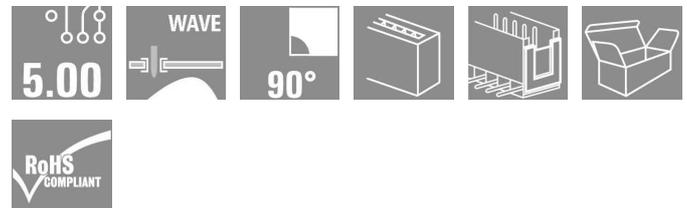
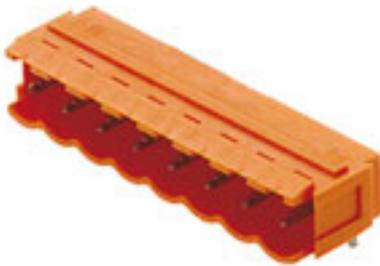


OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Germany
 Fon: +49 5231 14-0
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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 5.00/04/90B 3.2SN OR BX
Order No.	1580880000
Version	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.00 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4008190044060
Qty.	100 pc(s).
Product data	IEC: 400 V / 18 A UL: 300 V / 15 A
Packaging	Box

**OMNIMATE Signal - series BL/SL 5.00
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Technical data**Dimensions and weights**

Net weight	1.34 g
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System parameters

Product family		Mounting onto the PCB	
Product family	OMNIMATE Signal - series BL/SL 5.00		Solder connection
Outgoing elbow	90°	Pitch in mm (P)	5 mm
Pitch in inches (P)	0.197 inch	No. of poles	4
Solder pin length (l)	3.2 mm	Solder 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	15 mm	L1 in inches	0.591 inch
Insulation resistance	≥ 10 ⁸ 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	Orange
Insulating material group	IIIa	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C	Max. relative humidity during storage	80 %

Rating data acc. to IEC 60664-1 / IEC 61984

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 class/ contamination degree III/3	4 kV
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated voltage for surge voltage class / pollution degree II/2	400 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV
Short-time withstand current resistance	3 x 1s with 120 A		

CSA rating data

Institute (CSA)		Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B)	300 V	Rated current (use group B)	15 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Technical data

UL 1059 rating data

Institute (UR)		Certificate No. (UR)	
		E60693	
Rated voltage (use group B)	300 V	Rated current (use group B)	15 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

Classifications

ETIM 3.0	EC001284	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

Downloads

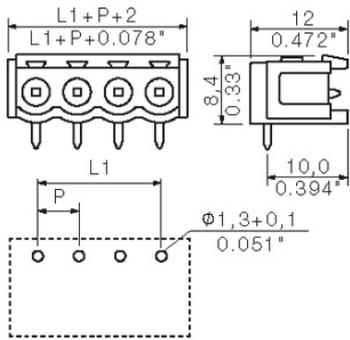
CAD Library (P-CAD Format - ASCII)	SL.zip
CAD Library (P-CAD Format - Standard)	SL.zip
3-D model	

Data sheet

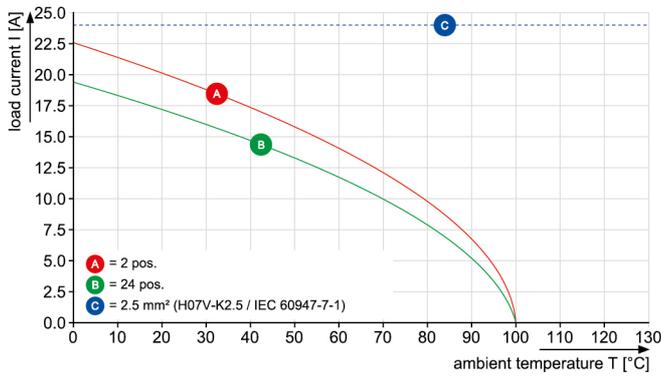
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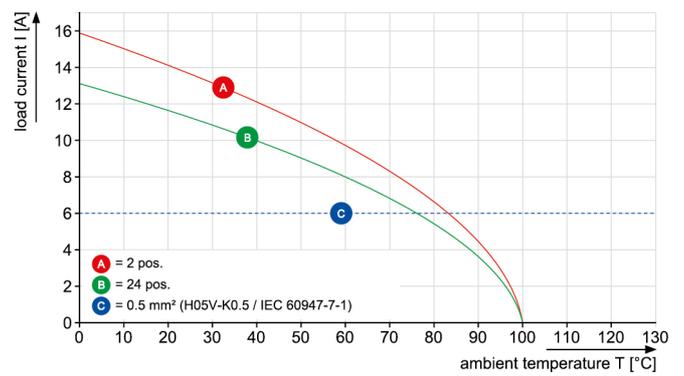
Drawings



BLF 5.00HC/./180 - SL 5.00/./90



BLF 5.00HC/./180 - SL 5.00/./90



**OMNIMATE Signal - series BL/SL 5.00
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Mating connector (fully 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 5.08/04/180BR BK BX	1712130000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190935146	100 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/04/180BR OR BX	1649390000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190294502	100 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	BLZ 5.08/04/180B SN OR BX	1528960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190041267	100 pc(s).
2009-12-31T00:00:00	BLZ 5.08/04/180B SN BK BX	1528910000	PCB plug-in connector, female	4008190070014	100 pc(s).

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (fully pluggable)

plug, 5.08 mm,	V /
No. of poles: 4,	19
180°, Clamping	A /
yoke connection,	0.2
Clamping range,	-
rated connection,	2.5
max.: 3.31 mm ² ,	mm ²
Box	UL: 300 V / 15 A / AWG 26 - AWG 12

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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	BLZF 5.08/04/180B SN OR BX	1708320000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190317782	84 pc(s)

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (fully pluggable)

BLZ 5.08/270B



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

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

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2009-12-31	BLZ 5.08/04/270B SN BK BX	1559810000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190269678	78 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / 26 AWG - 12 AWG
This article will no longer be available in the future.	2015-12-31	BLZ 5.08/04/270B SN OR BX	1559860000	4008190044305	78 pc(s).	

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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Mating connector (fully pluggable)

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

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

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2009-12-31	BLZ 5.08/04/90B SN BK BX	1555210000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267964	78 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 -

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Mating connector (fully pluggable)

This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.08/04/90B SN OR BX	1555260000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190169589	AWG 12 78 pc(s).

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 5.08/04/-B SN OR BX	1651760000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190400446	70 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
2014-05-20T00:00:00+02:00	1651760000	BLDT 5.08/04/-B SN BK BX	1673800000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190435530	70 pc(s). IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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Mating connector (fully pluggable)

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

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2011-09-30	BLZ 5.08/04/225B SN BK BX	1742350000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248049783	78 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / 26 AWG
This article will no longer be available in the future.	2015-12-31	BLZ 5.08/04/225B SN OR BX	1742120000	4008190246440	78 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / 26 AWG

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Mating connector (fully pluggable)

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

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2009-12-31	BLZ 5.00/04/90B SN BK BX	1637370000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	400819027461078	pc(s).	IEC: 400 V / 15 A / 0.5 mm ² UL: 300 V / 10 A / 26 AWG
2011-09-30	BLZ 5.00/04/90B SN OR BX	1637140000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	400819027438278	pc(s).	IEC: 400 V / 15 A / 0.5 mm ² UL: 300 V / 10 A / 26 AWG

**OMNIMATE Signal - series BL/SL 5.00
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Mating connector (fully pluggable)
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 5.00/04/270B SN OR BX	1638060000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275327 78 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/04/270B SN BK BX	1638290000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275556 78 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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 5.08/04/180B 3.2SN OR BX	1682750000	PCB plug-in connector, female header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190474515 78 pc(s).		IEC: 400 V / 23 A UL: 300 V / 15 A	Box

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SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (fully pluggable)
BLZP 5.08HC/225B SN


Clamping-yoke connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/225B SN OR BX	1945770000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621248	78 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/04/225B SN BK BX	1946000000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621521	78 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	BLZF 5.08/04/90B SN OR BX	1671270000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432973	78 pc(s).
This article will no longer be available in the future.	BLZF 5.08/04/90B SN BK BX	1671500000	PCB plug-in connector, female	4008190433208	78 pc(s).

Data sheet

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Mating connector (fully pluggable)

available in the future.

plug, 5.08 mm,
No. of poles: 4,
90°, Tension
clamp connection,
Clamping range,
rated connection,
max.: 3.31 mm²,
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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/270B SN OR BX	1672420000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434137	78 pc(s)
	2011-09-30T00:00:00	BLZF 5.08/04/270B SN BK BX	1672650000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434366	78 pc(s)
						IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / 26 AWG - 12

**OMNIMATE Signal - series BL/SL 5.00
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Mating connector (conditionally pluggable)
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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/90 SN OR BX	1670810000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432416	90 pc(s)
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/90 SN BK BX	1671040000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432713	90 pc(s)

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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.00/04/180 SN BK BX	1596080000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4,	4008190176716	100 pc(s)

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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

Mating connector (conditionally pluggable)

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

This article will no longer be available in the future.	2015-12-31T00:00:00+01:00 BLZ 5.00/04/180 SN OR BX	1571370000 PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box 4008190050641 100 pc(s)
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BLT 5.08HC/180F



Female plugs with TOP screw connection system for connecting wires with straight outlet direction and screw flange. The female connectors provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/04/180F SN OR BX	1844010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248355938	60 pc(s).	IEC: 400 V / 27 A / 0.2 - 2.5 mm ² UL: 300 V / 17 A / AWG 26 - AWG 14	Box
BLT 5.08HC/04/180F SN BK BX	1844240000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248356171	60 pc(s).	IEC: 400 V / 27 A / 0.2 - 2.5 mm ² UL: 300 V / 17 A / AWG 26 - AWG 14	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZP 5.00HC/180LH SN



Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-05-20	BLZP 5.00HC/180LH SN BK BX	1957270000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248636082	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / 30 AWG - 12 AWG
2014-05-20	BLZP 5.00HC/180LH SN OR BX	1956970000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248635856	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / 30 AWG - 12 AWG

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)
BLF 5.08HC/90LR SN


Just as reliable as the millionfold proven original and featuring innovative details:
The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.
In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/04/90LR SN OR BX	1002300000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248694464	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box
BLF 5.08HC/04/90LR SN BK BX	1000430001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690398	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available until 2015-12-31T00:00:00+01:00	BLZ 5.08/04/180LR SN BK BX	1892970000	PCB plug-in connector, female plug, 5.08 mm,	4032248507115	60 pc(s).

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

available in the future.

No. of poles: 4,
180°, Clamping
yoke connection,
Clamping range,
rated connection,
max.: 3.31 mm²,
Box

This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.08/04/180LR SN OR BX	1851220000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248381296	60 pc(s)
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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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.08/04/90 SN BK BX	1552910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267728	90 pc(s)
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.08/04/90 SN OR BX	1552960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190123932	90 pc(s)

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 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

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2009-12-31	BLIDC 5.08B/04/180B SN BK BX	1759630000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, IDC terminal, Clamping range, rated connection, max.: 0.75 mm ² , Box	4032248069866	100 pc(s).	IEC: 400 V / 11 A / 0.5 mm ² UL: 300 V / 5 A / 22 AWG

BLZP 5.08HC/180F SN



Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/180F SN OR BX	1944110000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping	4032248617494	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

BLZP	1944350000	range, rated connection, max.: 4 mm ² , Box	4032248618927 60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
5.08HC/04/180F		PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box			
SN BK BX					

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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/180F SN BK BX	1803580000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248258987	60 pc(s).
	2013-12-31T00:00:00+01:00	BLZF 5.08/04/180F SN OR BX	1803350000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	403224825875860	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / 26 - 12 AWG

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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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/180LH SN OR BX	1895740000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248510467	60 pc(s).
	2011-09-30T00:00:00	BLZF 5.08/04/180LH SN BK BX	1893180000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	403224850732060	60 pc(s).
						IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / 26 AWG -

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)
BLZP 5.00HC/180LR SN


Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/04/180LR SN BK BX	1956580000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248635405	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/04/180LR SN OR BX	1956350000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248635054	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	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 5.08/04/90 3.2 SN OR BX	1622960000	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190194024	90 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZP 5.00HC/270LH SN



Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-05-20	BLZP 5.00HC/270LH SN BK BX	1961650000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	403224864092860	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / 30 AWG - 12 AWG
2014-05-20	BLZP 5.00HC/270LH SN OR BX	1961420000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	403224864069060	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / 30 AWG - 12 AWG

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLF 5.00HC/90LH SN



Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.00HC PUSH IN version of the BLZ 5.00HC female connector features a new connection system and a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current. In terms of versatility, the BLF 5.00HC offers just as much as the older versions:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-05-20	BLF 5.00HC/04/90LH SN OR BX	1981390000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248676699	60 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² AWG 12 - AWG 26
BLF 5.00HC/04/90LH SN BK BX	1980000000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248675067	60 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 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)
BLT 5.08HC


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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/04/180 SN BK BX	1499710000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190861711 90 pc(s).		IEC: 400 V / 27 A / 0.2 - 2.5 mm ² UL: 300 V / 17 A / AWG 26 - AWG 14	Box
BLT 5.08HC/04/180 SN OR BX	1499760000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190037536 90 pc(s).		IEC: 400 V / 27 A / 0.2 - 2.5 mm ² UL: 300 V / 17 A / AWG 26 - AWG 14	Box

BLZP 5.08HC/270LR SN


Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/270LR SN OR BX	1947550000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248623846 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/04/270LR SN BK BX	1947780000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping	4032248624171 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

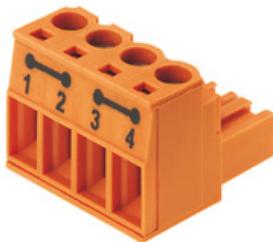
range, rated connection,
max.: 4 mm², Box

BLZP 5.00HC/270 SN


Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/04/270 SN BK BX	1959080000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248638017	90 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/04/270 SN OR BX	1958850000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637683	90 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

BLZ 5.08 QV2


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

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

General ordering data

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

Creation date November 30, 2014 8:47:09 AM CET

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

yoke connection, Clamping
range, rated connection,
max.: 4 mm², 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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future. 2015-12-31T00:00:00+01:00	BLZ 5.08/04/225 SN BK BX	1741890000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190254155	90 pc(s).
This article will no longer be available in the future. 2015-12-31T00:00:00+01:00	BLZ 5.08/04/225 SN OR BX	1741660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190202637	90 pc(s).

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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 www.weidmueller.com

Mating connector (conditionally pluggable)

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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/270 SN BK BX	1672190000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433901	90 pc(s)
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/270 SN OR BX	1671960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433673	90 pc(s)

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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BL 5.00/04/180 SN BK BX	1730720000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4,	4008190387310	100 pc(s)

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Mating connector (conditionally pluggable)

180°, Pressure
clamp connection,
Clamping range,
rated connection,
max.: 2.08 mm²,
Box

This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BL 5.00/04/180 SN OR BX 1723130000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4032248002535	100 pc(s).
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BL 5.00/04/180 SN GY BX 1762790000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4032248048700	100 pc(s).

BLZP 5.00HC/180F SN


Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/04/180F SN OR BX	1955780000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248634323	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/04/180F SN BK BX	1956010000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping	4032248634583	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

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

BLF 5.08HC/90F SN


Just as reliable as the millionfold proven original and featuring innovative details:
The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.
In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/04/90F SN BK BX	1000240001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690206	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box
BLF 5.08HC/04/90F SN OR BX	1002110000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248694068	60 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 5.00 SL 5.00/04/90B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZP 5.08HC/270LH SN



Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-05-20	BLZP 5.08HC/270LH SN OR BX	1947030000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248622795	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / 30 AWG - 12 AWG
2014-05-20	BLZP 5.08HC/270LH SN BK BX	1947260000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248623211	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / 30 AWG - 12 AWG

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)
BLZP 5.00HC/90 SN


Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/04/90 SN BK BX	1958630000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637362 90 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/04/90 SN OR BX	1958280000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637140 90 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

BLF 5.00HC/90F SN


Just as reliable as the millionfold proven original and featuring innovative details:
The BLF 5.00HC PUSH IN version of the BLZ 5.00HC female connector features a new connection system and a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.
In terms of versatility, the BLF 5.00HC offers just as much as the older versions:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/04/90F SN OR BX	1980660000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248675814 60 pc(s).		IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

BLF 5.00HC/04/90F SN BK BX	1979480000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248674688 60 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
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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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future. 2015-12-31T00:00:00+01:00	BLZ 5.00/04/180F SN OR BX	1843310000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248355037	100 pc(s).
This article will no longer be available in the future. 2015-12-31T00:00:00+01:00	BLZ 5.00/04/180F SN BK BX	1843540000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248355266	100 pc(s).

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)
BLZP 5.00HC/90F SN


Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/04/90F SN OR BX	1959500000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248638437	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/04/90F SN BK BX	1959730000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248638666	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

BLT 5.08HC/180LR


Female plugs with TOP screw connection system for connecting wires with straight wire outlet and release latch mechanism. The female connectors provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/04/180LR SN BK BX	1894150000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248508396	60 pc(s).	IEC: 400 V / 27 A / 0.2 - 2.5 mm ² UL: 300 V / 17 A / AWG 26 - AWG 14	Box
BLT 5.08HC/04/180LR SN OR BX	1890240000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping	4032248498727	60 pc(s).	IEC: 400 V / 27 A / 0.2 - 2.5 mm ² UL: 300 V / 17 A / AWG 26 - AWG 14	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

range, rated connection,
max.: 2.5 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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.00/04/270 SN BK BX	1637830000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275075	90 pc(s).
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.00/04/270 SN OR BX	1637600000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274849	90 pc(s).

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)
BLZP 5.08HC/90F SN


Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/90F SN OR BX	1949820000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248627745	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/04/90F SN BK BX	1950060000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248627998	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

BLZP 5.08HC/225 SN


Clamping-yoke connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/225 SN OR BX	1946270000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621842	90 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/04/225 SN BK BX	1946580000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping	4032248622351	90 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

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Mating connector (conditionally pluggable)

range, rated 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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/180 SN OR BX	1707480000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190395858	90 pc(s).
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZF 5.08/04/180 SN BK BX	1707710000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190316716	90 pc(s).

**OMNIMATE Signal - series BL/SL 5.00
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Mating connector (conditionally pluggable)

BLF 5.08HC/90LH SN



Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-05-20	BLF 5.08HC/04/90LH SN OR BX	1002500000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248694877	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12
BLF 5.08HC/04/90LH SN BK BX	1000660001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690855	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BL 5.08



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

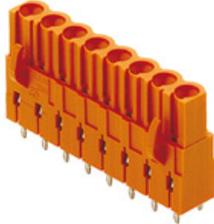
- 0.2 - 1.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 10 A (UL)

General ordering data

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BL 5.08/04/180 SN OR BX	1716340000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376376	100 pc(s)
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BL 5.08/04/180 SN DKG BX	1723850000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376215	100 pc(s)
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BL 5.08/04/180 SN BK BX	1716490000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376536	100 pc(s)

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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 5.08/04/180 3.2 SN OR BX	1630730000	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	400819020415090	90 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	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 5.08/04/90FI 3.2SN OR BX	1843770000	PCB plug-in connector, female header, Inverted flange, Solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4032248355525	60 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 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.weidmuller.com

Mating connector (conditionally pluggable)
BLZP 5.08HC/180LH SN


Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/180LH SN OR BX	1945310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248619887 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
2014-05-20 BLZP 5.08HC/04/180LH SN BK BX	1945540000		40322486207 15 60 pc(s).			IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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www.weidmueller.com

Mating connector (conditionally pluggable)
BLF 5.00HC/90LR SN


Just as reliable as the millionfold proven original and featuring innovative details:
The BLF 5.00HC PUSH IN version of the BLZ 5.00HC female connector features a new connection system and a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current. In terms of versatility, the BLF 5.00HC offers just as much as the older versions:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/04/90LR SN BK BX	1979810000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248674077	60 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/04/90LR SN OR BX	1980890000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248676002	60 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

BLZP 5.08HC/270 SN


Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/270 SN OR BX	1948810000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626267	90 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

Data sheet

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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 www.weidmueller.com

Mating connector (conditionally pluggable)

BLZP 5.08HC/04/270 SN BK BX	1949040000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626496 90 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
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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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	BLZ 5.08/04/180LH SN OR BX	1892210000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248505531	60 pc(s).
2014-06-23T00:00:00	BLZ 5.08/04/180LH SN BK BX	1893620000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248507801 60 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / 26 - 12 AWG

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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www.weidmueller.com

Mating connector (conditionally 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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.08/04/270 SN BK BX	1557510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190269449	90 pc(s)
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.08/04/270 SN OR BX	1557560000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190104788	90 pc(s)

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

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.08/04/180 SN BK BX	1526610000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4,	4008190049454	100 pc(s)

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

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

This article will no longer be available in the future.	2015-12-31T00:00:00+01:00 BLZ 5.08/04/180 SN OR BX	1526660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190148232	100 pc(s).
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BLT 5.08HC/180LH



Female plugs with TOP screw connection system for connecting wires with straight outlet directions and release lever mechanism. The female connectors provide space for labelling and can be coded. HC = High Current.

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-05-20T00:00:00+01:00	BLT 5.08HC/180LH SN BK BX	1892510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248506552	60 pc(s).	IEC: 400 V / 27 A / 0.2 - 2.5 mm ² UL: 300 V / 17 A / AWG 26 - AWG 14
BLT	1889980000 5.08HC/04/180LH SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP	4032248498420	60 pc(s).	IEC: 400 V / 27 A / 0.2 - 2.5 mm ² UL: 300 V / 17 A / AWG 26 - AWG 14	Box

Creation date November 30, 2014 8:47:09 AM CET

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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www.weidmueller.com

Mating connector (conditionally pluggable)

connection, Clamping
range, rated connection,
max.: 2.5 mm², 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 5.08/04/- SN BK BX	1660730000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190417185	75 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLDT 5.08/04/- SN OR BX	1644750000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190283964	75 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZP 5.00HC/180 SN


Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. The also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/04/180 SN BK BX	1955550000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248634040	100 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 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 5.08/04/180R BK BX	1711980000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190934996	100 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/04/180R OR BX	1610510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190065102	100 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BLZP 5.08HC/180 SN


Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/180 SN OR BX	1943600000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617593	100 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/04/180 SN BK BX	1943830000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping	4032248617869	100 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
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Mating connector (conditionally pluggable)

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

BLF 5.00HC/90 SN



Just as reliable as the millionfold proven original and featuring innovative details:
 The BLF 5.00HC PUSH IN version of the BLZ 5.00HC female connector features a new connection system and a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current. In terms of versatility, the BLF 5.00HC offers just as much as the older versions:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/04/90 SN BK BX	1979290000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248674473	90 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/04/90 SN OR BX	1980190000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248675272	90 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available until 2015-12-31T00:00:00+01:00	BLZ 5.08/04/180F SN BK BX	1803060000	PCB plug-in connector, female	4032248258161	60 pc(s).

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

available in the future.

plug, 5.08 mm,
No. of poles: 4,
180°, Clamping
yoke connection,
Clamping range,
rated connection,
max.: 3.31 mm²,
Box

This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.08/04/180F SN OR BX	1802850000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248257928	60 pc(s).
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BLZP 5.00HC/270F SN



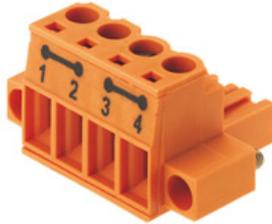
Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/04/270F SN OR BX	1960440000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639304	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/04/270F SN BK BX	1960710000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639502	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)
BLZ 5.08F QV2


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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/04/180FQV2 SN OR BX PRT	1846870000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248362684	100 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/04/180FQV2 SN BK BX PRT	1844500000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248354948	100 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BLZP 5.00HC/270LR SN


Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	BLZP 5.00HC/04/270LR SN OR BX	1960940000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639977	60 pc(s).
	BLZP 5.00HC/04/270LR SN BK BX	1961170000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping	4032248640256	60 pc(s).
				IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

Creation date November 30, 2014 8:47:09 AM CET

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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

Mating connector (conditionally pluggable)

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

BLZP 5.08HC/270F SN


Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/270F SN OR BX	1950330000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248628445	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/04/270F SN BK BX	1950570000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248628704	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

BLZP 5.08HC/180LR SN


Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. The also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/180LR SN BK BX	1945080000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620227	60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/04/90B 3.2SN OR BX

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 www.weidmueller.com

Mating connector (conditionally pluggable)

BLZP 5.08HC/04/180LR SN OR BX	1944850000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248619450 60 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
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BLF 5.08HC/90 SN



Just as reliable as the millionfold proven original and featuring innovative details:
 The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.
 In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/04/90 SN BK BX	1000050001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248689989 90 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/04/90 SN OR BX	1001550000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248693351 90 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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www.weidmueller.com

Mating connector (conditionally pluggable)
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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	BLZF 5.08/04/180LR SN OR BX	1851430000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248382804	60 pc(s).
This article will no longer be available in the future.	BLZF 5.08/04/180LR SN BK BX	1892740000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248506781	60 pc(s).

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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	BLZ 5.00/04/90 SN OR BX	1635960000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4,	4008190265830	90 pc(s).

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/04/90B 3.2SN OR BX**

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Mating connector (conditionally pluggable)

90°, Clamping
yoke connection,
Clamping range,
rated connection,
max.: 3.31 mm²,
Box

This article will no longer be available in the future.	2015-12-31T00:00:00+01:00	BLZ 5.00/04/90 SN BK BX 1636910000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274153	90 pc(s).
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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)

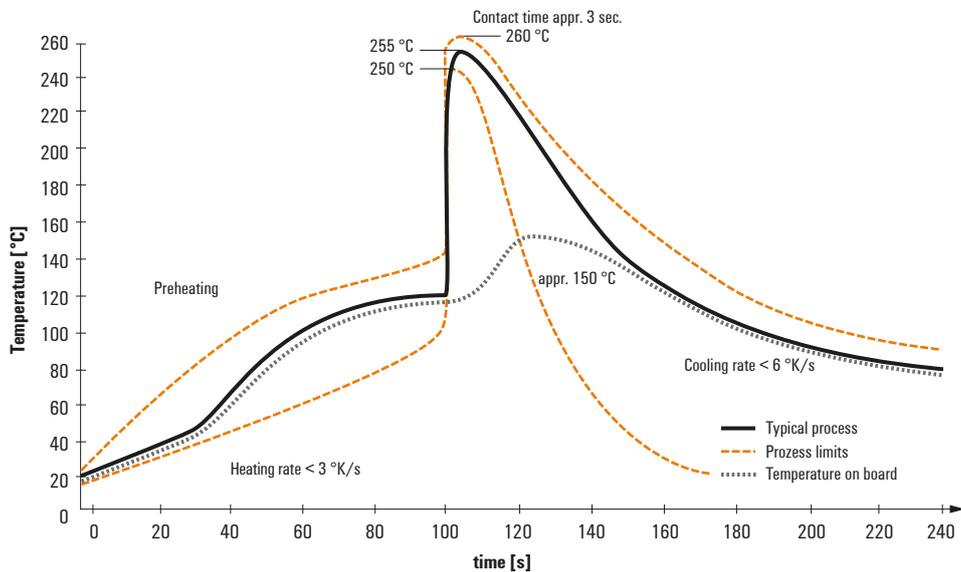
General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2011-11-17T00:00:00+01:00	BLIDC 5.08/04/180 SN OR BX	1724960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, IDC terminal, Clamping range, rated connection, max.: 0.75 mm ² , Box	4008190377304	100 pc(s).	IEC: 400 V / 11 A / 0.5 mm ² UL: 300 V / 5 A / 22 AWG

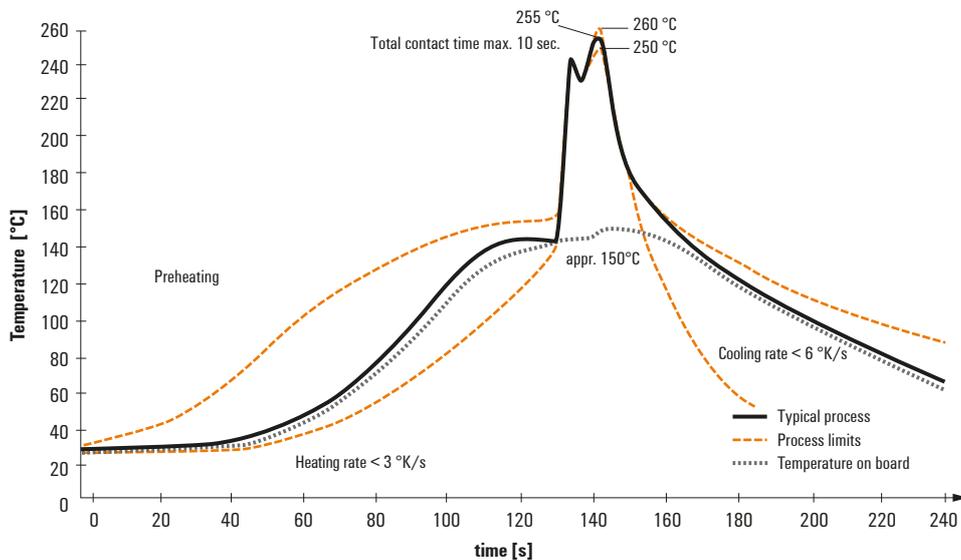
Recommended wave soldering profiles

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Single Wave:



Double Wave:



Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.

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