

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

Weidmüller Interface GmbH & Co. KG
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High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

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

General ordering data

Type	SL-SMT 5.00/24/90LF 3.2SN BK BX
Order No.	1840570000
Version	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 24, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box
GTIN (EAN)	4032248351510
Qty.	20 pc(s).
Product data	IEC: 400 V / 19 A UL: 300 V / 15 A
Packaging	Box

Creation date December 25, 2013 6:03:19 AM CET

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Technical data

Dimensions and weights

Net weight 0 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 5.00	Mounting onto the PCB	Reflow solder connection
Outgoing elbow	90°	Pitch in mm (P)	5 mm
Pitch in inches (P)	0.197 inch	No. of poles	24
Solder pin length (l)	3.2 mm	Pin dimensions	d = 1.2 mm, Octagonal
Can be coded	Yes	Number of solder pins per pole	1
Solder eyelet hole diameter (D)	1.5 mm	Solder eyelet hole diameter tolerance (D)	+ 0.1 mm
L1 in mm	115 mm	L1 in inches	4.528 inch
Insulation resistance	10 ³ Ω		

Material data

Insulating material	LCP GF	Colour	Black
Insulating material group	IIla	UL 94 flammability rating	V-0
CTI	≥ 175	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)	19 A	Rated current, max. no. of poles (Tu=20°C)	15 A
Rated current, number of poles (Tu=40°C), min	16 A	Rated current, number of poles (Tu=40°C), max.	13 A
Rated voltage for surge voltage class pollution degree III/3	250 V	Rated impulse voltage for surge voltage 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

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

- 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



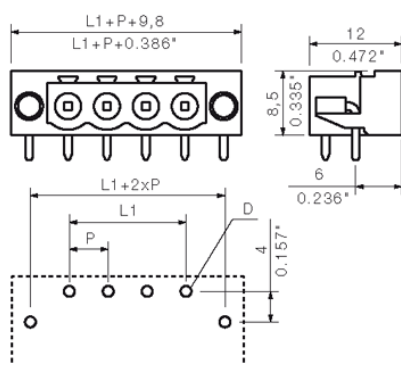
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Conform

OMNIMATE Signal - series BL/SL 5.00 SL-SMT 5.00/24/90LF 3.2SN BK BX

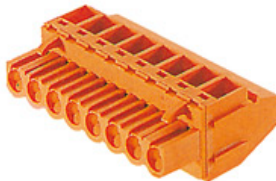
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Drawings



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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 5.08/24/90B SN OR BX	1557260000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190050474	12 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZ 5.08/180


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.

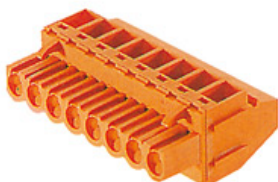
- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/24/180 SN OR BX	1528660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190105754	20 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/24/180 SN BK BX	1528610000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190287559	20 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

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Mating connector (conditionally 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.00/24/90B SN OR BX	1637340000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274580 12 pc(s).		IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZP 5.00/270 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 5.00/24/270 SN BK BX	1958880000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637812 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/24/270 SN OR BX	1958660000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637393 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

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Mating connector (conditionally pluggable)
BLZF 5.08/90B


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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/24/90B SN BK BX	1671700000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433413	12 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZF 5.08/24/90B SN OR BX	1671470000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433178	12 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZP 5.00/180 SN


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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/24/180 SN OR BX	1954260000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248632985	18 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/24/180 SN BK BX	1955350000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°,	4032248633838	18 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)

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

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 5.08/24/270 SN OR BX	1559560000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190169770	12 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/24/270 SN BK BX	1559510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190269647	12 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLL 5.08/90FI



Female header for PCB mounting. The solder pin length is optimised for wave flow soldering.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/24/90FI 3.2SN OR BX	1843970000	PCB plug-in connector, female header, Inverted flange, Solder connection, 5.08 mm, No. of poles: 24, 90°, Solder pin length (l):	4032248355723	12 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

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Mating connector (conditionally pluggable)

3.2 mm, tinned, Orange,
 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 5.00/24/90 SN OR BX	1636160000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190265649	12 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/24/90 SN BK BX	1637110000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274351	12 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZP 5.08/225B 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/24/225B SN OR BX	1945970000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621491	12 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)

BLZP 5.08HC/24/225B SN BK BX	1946200000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248621774 12 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
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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 5.08/24/225B SN BK BX	1742550000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248050673 12 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/24/225B SN OR BX	1742320000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248050666 12 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

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Mating connector (conditionally pluggable)

BLZ 5.00/270



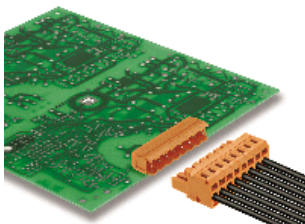
Female plugs with clamping-yoke screw for wire connection with 270° outlet direction. The female plugs provide space for labelling and can be coded.

- 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 5.00/24/270 SN OR BX	1637800000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275044	12 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.00/24/270 SN BK BX	1638030000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275297	12 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZF 5.08/180B



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 5.08/24/180B SN OR BX	1708520000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190317966	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

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Mating connector (conditionally pluggable)

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	1648530000	PCB plug-in connector,	4008190293000	12 pc(s).	IEC: 400 V / 23 A	Box
5.08/24/90		female header, closed side,			UL: 300 V / 15 A	
3.2 SN OR BX		Solder connection, 5.08 mm, No. of poles: 24, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, 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	1682950000	PCB plug-in connector,	4008190474713	12 pc(s).	IEC: 400 V / 23 A	Box
5.08/24/180B		female header, Dovetails			UL: 300 V / 15 A	
3.2SN OR BX		for fixing blocks, Solder connection, 5.08 mm, No. of poles: 24, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

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Mating connector (conditionally pluggable)
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 5.08HC/24/225 SN BK BX	1946780000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248622559	12 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/24/225 SN OR BX	1946480000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248622252	12 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZ 5.08/225


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 5.08/24/225 SN BK BX	1742090000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248050697	12 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/24/225 SN OR BX	1741860000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 225°,	4032248050680	12 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

Creation date December 25, 2013 6:03:19 AM CET

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

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

Mating connector (conditionally pluggable)

Clamping yoke connection,
 Clamping range, rated
 connection, max.: 3.31
 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 5.08/24/180 SN OR BX	1707680000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190316686	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZF 5.08/24/180 SN BK BX	1707910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190317324	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	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 5.08/24/180B SN DKGX BX	1530950000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated	4008190290511	20 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

Creation date December 25, 2013 6:03:19 AM CET

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (conditionally pluggable)

connection, max.: 3.31
 mm², Box

BLZF 5.08/270



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/24/270 SN OR BX	1672160000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433871	12 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZF 5.08/24/270 SN BK BX	1672390000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434106	12 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZ 5.00/270B



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 5.00/24/270B SN OR BX	1638260000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated	4008190275525	12 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

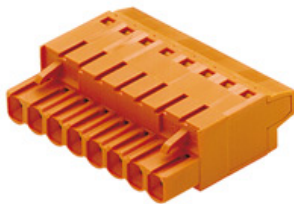
SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (conditionally pluggable)

connection, max.: 3.31
 mm², Box

BLT 5.08



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/24/180 SN OR BX	1501760000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190072537	12 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/24/180 SN BK BX	1501710000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190861902	12 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 5.08/24/90 SN BK BX	1671240000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432942	12 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-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (conditionally pluggable)

BLZF 5.08/24/90 SN OR BX	1671010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190432683 12 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 5.00/24/90 SN OR BX	1957780000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248636945 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/24/90 SN BK BX	1958310000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248637171 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZ 5.08/180B



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/24/180B SN BK BX	1530910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°	4008190079529 20 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (conditionally pluggable)

		Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box		
BLZ	1530960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190048495 20 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12
5.08/24/180B				
SN OR BX				

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	1554960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190091347 12 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/24/90						
SN OR BX						
BLZ	1554910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267933 12 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
5.08/24/90						
SN BK BX						

OMNIMATE Signal - series BL/SL 5.00
SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (conditionally 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1561860000	PCB plug-in connector,	4008190024765	12 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ²	Box
5.08/24/270B		female plug, 5.08 mm,			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , 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	1949240000	PCB plug-in connector,	4032248626694	12 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ²	Box
5.08HC/24/270		female plug, 5.08 mm,			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN BK BX		No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				
BLZP	1949010000	PCB plug-in connector,	4032248626465	12 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ²	Box
5.08HC/24/270		female plug, 5.08 mm,			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN OR BX		No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (conditionally pluggable)

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 5.08/24/270B SN BK BX	1672850000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434564	12 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZF 5.08/24/270B SN OR BX	1672620000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434335	12 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZP 5.08/180 SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/24/180 SN BK BX	1944030000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248618217	18 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/24/180 SN OR BX	1943800000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°,	4032248617814	18 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

Creation date December 25, 2013 6:03:19 AM CET

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (conditionally pluggable)

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

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 5.00/24/180 SN OR BX	1571560000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190067717	20 pc(s).	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.00/24/180 SN BK BX	1611470000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190192310	20 pc(s).	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BLL 5.08/180



Female header for PCB mounting. The solder pin length is optimised for wave flow soldering.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/24/180 3.2 SN OR BX	1649010000	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 24, 180°	4008190293499	12 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

OMNIMATE Signal - series BL/SL 5.00
SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (conditionally pluggable)

Solder pin length (l): 3.2
mm, tinned, Orange, Box

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN 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 5.08/24/180LH SN BK BX	1893380000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248507528	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZF 5.08/24/180LH SN OR BX	1895940000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248510764	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BLZP 5.08/180LR 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 5.08/24/180LR SN OR BX	1945050000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620197	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/24/180LR SN BK BX	1945280000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°,	4032248620425	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

Creation date December 25, 2013 6:03:20 AM CET

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

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

BLZP 5.08/270LH SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/24/270LH SN BK BX	1947460000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248623440	12 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/24/270LH SN OR BX	1947230000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248623099	12 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.08/270LR 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/24/270LR SN BK BX	1947980000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection,	4032248624478	12 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-SMT 5.00/24/90LF 3.2SN BK BX

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

Mating connector (fully pluggable)

		Clamping range, rated connection, max.: 4 mm ² , Box		
BLZP	1947750000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248624140 12 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12
5.08HC/24/270LR				
SN OR BX				

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	1950540000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248628650 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
5.08HC/24/270F						
SN OR BX						
BLZP	1950810000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248629268 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
5.08HC/24/270F						
SN BK BX						

OMNIMATE Signal - series BL/SL 5.00 SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

BLZP 5.08/180LH SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/24/180LH SN BK BX	1945740000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621118	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/24/180LH SN OR BX	1945510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248620685	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.00/270LH 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 5.00/24/270LH SN BK BX	1961450000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248640720	12 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/24/270LH SN OR BX	1961220000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping	4032248640485	12 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-SMT 5.00/24/90LF 3.2SN BK BX

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 www.weidmueller.com

Mating connector (fully pluggable)

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

BLZP 5.00/180LH SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/24/180LH SN OR BX	1956670000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248635658	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/24/180LH SN BK BX	1957000000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248635887	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZP 5.00/180F SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00/24/180F SN OR BX	1955580000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated	4032248634118	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

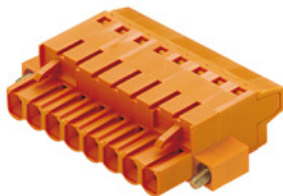
OMNIMATE Signal - series BL/SL 5.00 SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

		connection, max.: 4 mm ² , Box		
BLZP	1955810000	PCB plug-in connector,	4032248634361 12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² Box
5.00/24/180F		female plug, 5.00 mm,		UL: 300 V / 15 A / AWG 30 - AWG 12
SN BK BX		No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , 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	1844440000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248356379 12 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box
5.08HC/24/180F						
SN BK BX						
BLT	1844210000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248356133 12 pc(s).		IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box
5.08HC/24/180F						
SN OR BX						

OMNIMATE Signal - series BL/SL 5.00 SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

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 5.00/24/180LR SN OR BX	1956150000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248634828	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/24/180LR SN BK BX	1956380000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248635146	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² 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 5.08/24/180LR SN BK BX	1892940000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248507085	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZF 5.08/24/180LR SN OR BX	1851670000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°,	4032248383108	12 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-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

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

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 5.00/24/270LR SN OR BX	1960740000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639748	12 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.00/24/270LR SN BK BX	1960970000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248640027	12 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZ 5.08/270LH



Female headers with clamping yoke screw connection for wire, with 270° 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)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/24/270LH SN BK BX	1894100000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated	4032248508334	12 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-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

		connection, max.: 3.31 mm ² , Box		
BLZ	1892480000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248506521 12 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12
5.08/24/270LH				
SN OR BX				

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	1960500000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639366 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
5.00/24/270F						
SN BK BX						
BLZP	1959170000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248638123 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
5.00/24/270F						
SN OR BX						

OMNIMATE Signal - series BL/SL 5.00 SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

BLZP 5.08/180F SN



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08/24/180F SN OR BX	1944310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248618897	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/24/180F SN BK BX	1944550000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248619122	12 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZ 5.00/180F



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.00/24/180F SN OR BX	1843510000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248355235	20 pc(s).	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.00/24/180F SN BK BX	1843740000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 24, 180°,	4032248355471	20 pc(s).	IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

Creation date December 25, 2013 6:03:20 AM CET

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

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 5.08/24/180F SN OR BX	1803550000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248258956	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZF 5.08/24/180F SN BK BX	1803780000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248259205	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BLT 5.08LR



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/24/180LR SN BK BX	1894370000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, TOP connection, Clamping	4032248508709	12 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-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

		range, rated connection, max.: 2.5 mm ² , Box		
BLT	1890440000	PCB plug-in connector,	4032248498925 12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² Box
5.08HC/24/180LR		female plug, 5.08 mm,		UL: 300 V / 13 A / AWG 26 - AWG 14
SN OR BX		No. of poles: 24, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , 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	1959530000	PCB plug-in connector,	4032248638468 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ²	Box
5.00/24/90F		female plug, 5.00 mm, No.			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN BK BX		of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				
BLZP	1959200000	PCB plug-in connector,	4032248637737 12 pc(s).		IEC: 400 V / 15.5 A / 0.2 - 4 mm ²	Box
5.00/24/90F		female plug, 5.00 mm, No.			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN OR BX		of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.00

SL-SMT 5.00/24/90LF 3.2SN BK BX

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Mating connector (fully pluggable)

BLZ 5.08/270LR



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 5.08/24/270LR SN BK BX	1893890000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248508112 12 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/24/270LR SN OR BX	1894010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248508235 12 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZP 5.08/90F 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/24/90F SN BK BX	1950260000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248628193 12 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/24/90F SN OR BX	1950030000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 90°, Clamping yoke connection, Clamping	4032248627967 12 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-SMT 5.00/24/90LF 3.2SN BK BX

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

Mating connector (fully pluggable)

range, rated connection,
 max.: 4 mm², 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/24/180LH SN BK BX	1892710000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248506750	12 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/24/180LH SN OR BX	1890210000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 24, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248498628	12 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box

Recommended reflow soldering profile

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

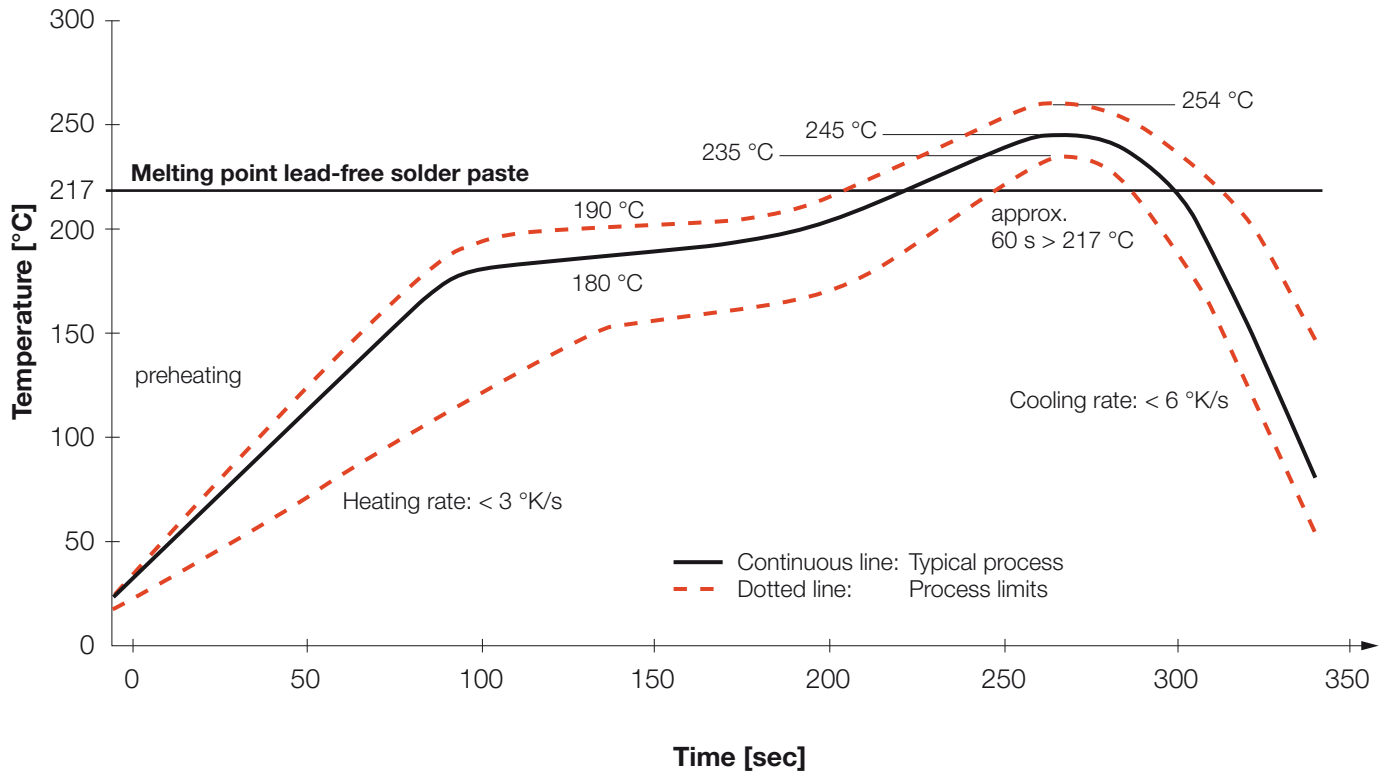
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Reflow soldering profile

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

We have to consider the following parameters:

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

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