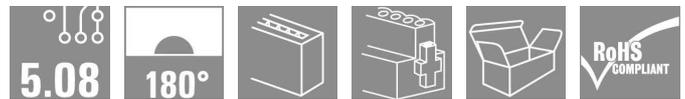
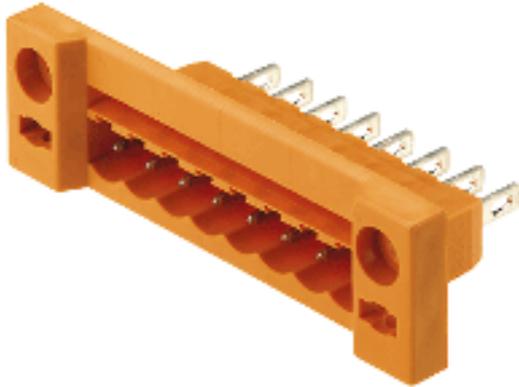


OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 16 SN OR BX

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



Male connector for through-panel mounting with optional locking function. Internal connection as flat-blade or solder connection. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	SLDF 5.08 L/F 16 SN OR BX
Order No.	1599270000
Version	PCB plug-in connector, male header, 5.08 mm, No. of poles: 16, 180°, Flat-blade connection, Solder connection, Box
GTIN (EAN)	4008190066826
Qty.	50 pc(s).
Product data	IEC: 400 V / 15 A UL: 300 V / 10 A
Packaging	Box

Creation date December 9, 2013 6:25:07 PM CET

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 16 SN OR BX

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Technical data

Dimensions and weights

Net weight 15.58 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Wire connection method	Flat-blade connection, Solder connection
Conductor outlet direction	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	16
L1 in mm	76.2 mm	L1 in inches	3 inch

Material data

Insulating material	PBT	Colour	Orange
Colour chart (similar)	RAL 2000	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned		

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	15 A	Rated current, number of poles (Tu=40°C), min	13 A
Rated voltage for surge voltage class pollution degree II/2	400 V	Rated voltage for surge voltage class pollution degree III/2	320 V
Rated voltage for surge voltage class pollution degree III/3	250 V	Rated impulse voltage for surge voltage class pollution degree II/2	4 kV
Rated impulse voltage for surge voltage class pollution degree III/2	4 kV	Rated impulse voltage for surge voltage class contamination degree III/3	4 kV

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	10 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)	10 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		

Data sheet**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Technical data**Notes**

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Connectable cables with solder connection solid and flexible up to 2.5 mm² with insulating/shrink-wrap sleeve or from 2.8 mm flat blade receptacles with insulated sleeves acc. to DIN IEC 760
- 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

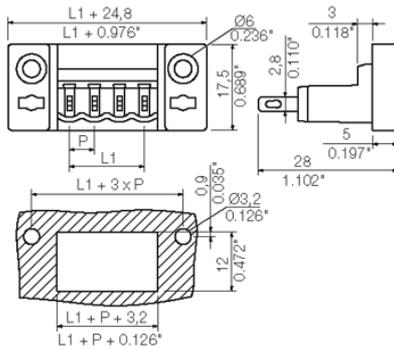
Conform

Data sheet

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Drawings



**OMNIMATE Signal - series BL/SL 5.08
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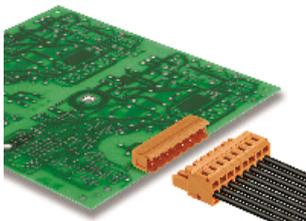
Mating connector (conditionally pluggable)
BLZ 5.08/90B


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 5.08/16/90B SN OR BX	1556460000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190098971	18 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZF 5.08/180B


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 5.08/16/180B SN OR BX	1708440000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190317881	18 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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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 5.08/16/90B SN BK BX	1671620000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433321	18 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 5.08/16/90B SN OR BX	1671390000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433093	18 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLC 5.08BR


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

- 0.25 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/16/180BR OR BX	1649510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190294625	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/16/180BR BK BX	1712250000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Crimp connection, Clamping	4008190935269	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Mating connector (conditionally pluggable)

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

BLZ 5.08/270B


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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/16/270B SN OR BX	1561060000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190091613	18 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZF 5.08/270B


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 5.08/16/270B SN OR BX	1672540000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434250	18 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 5.08/16/270B SN BK BX	1672770000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Tension clamp connection, Clamping range, rated	4008190434489	18 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 16 SN OR BX

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Mating connector (conditionally pluggable)

connection, max.: 3.31
 mm², 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 5.08/16/180B 3.2SN OR BX	1682870000	PCB plug-in connector, female header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 16, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190474638	18 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	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 5.08/16/180B SN DKGX BX	1530150000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190290436	50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Mating connector (conditionally pluggable)
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 5.08/16/180B SN BK BX	1530110000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190077600	50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/16/180B SN OR BX	1530160000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190176358	30 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 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/16/225B SN OR BX	1945890000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621415	18 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/16/225B SN BK BX	1946120000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 225°	4032248621699	18 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

Creation date December 9, 2013 6:25:07 PM CET

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Mating connector (conditionally pluggable)

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

BLZ 5.08/225B


Female plugs with clamping-yoke screw for wire connection with 225° outlet direction. The female plugs provide space for labelling and can be coded.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/16/225B SN OR BX	1742240000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190193997	18 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 5.08/16/225B SN BK BX	1742470000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190262907	18 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Mating connector (fully 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/16/270 SN BK BX	1672310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434021	18 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 5.08/16/270 SN OR BX	1672080000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433796	18 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 5.08/180


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 5.08/16/180 SN OR BX	1527860000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190104252	30 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/16/180 SN BK BX	1527810000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°	4008190287726	30 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 9, 2013 6:25:07 PM CET

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 16 SN OR BX

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Mating connector (fully pluggable)

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

BLT 5.08



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/16/180 SN OR BX	1500960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190118662	18 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/16/180 SN BK BX	1500910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190861827	18 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 5.08/16/90 SN BK BX	1671160000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432850	18 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 16 SN OR BX

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Mating connector (fully pluggable)

BLZF 5.08/16/90 SN OR BX	1670930000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432539 18 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
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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 5.08/16/270 SN OR BX	1558760000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190168384	18 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/16/270 SN BK BX	1558710000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190269562	18 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Mating connector (fully 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BL 5.08/16/180 SN BK BX	1716610000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376680	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BL 5.08/16/180 SN DKGX BX	1723970000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376338	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BL 5.08/16/180 SN OR BX	1716460000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376505	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BLZ 5.08/90


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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/16/90 SN OR BX	1554160000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, Clamping	4008190069452	18 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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

Mating connector (fully pluggable)

		yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box		
BLZ 5.08/16/90 SN BK BX	1554110000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267858 18 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12

BLZP 5.08/270 SN


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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/16/270 SN BK BX	1949160000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626618	18 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/16/270 SN OR BX	1948930000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626380	18 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08
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Mating connector (fully 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/16/225 SN OR BX	1946390000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248622160	18 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/16/225 SN BK BX	1946700000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248622474	18 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 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 5.08/16/90 3.2 SN OR BX	1648450000	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 16, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190292928	18 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Mating connector (fully pluggable)
BLZ 5.08/225


Female plugs with clamping-yoke screw for wire connection with 225° outlet direction. The female plugs provide space for labelling and can be coded.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/16/225 SN BK BX	1742010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190281311	18 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 5.08/16/225 SN OR BX	1741780000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190235833	18 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZF 5.08/180


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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/16/180 SN BK BX	1707830000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190316839	18 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZF 5.08/16/180 SN OR BX	1707600000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°	4008190096458	18 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

Creation date December 9, 2013 6:25:07 PM CET

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 16 SN OR BX

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

Mating connector (fully pluggable)

Tension clamp connection,
 Clamping range, rated
 connection, max.: 3.31
 mm², 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 5.08/16/180 SN BK BX	1943950000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248618095	27 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08/16/180 SN OR BX	1943720000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617739	27 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLL 5.08/180



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/16/180 3.2 SN OR BX	1648930000	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 16, 180°	4008190293413	18 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 16 SN OR BX

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Mating connector (fully pluggable)

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

BLF 5.08/90 SN



Just as reliable as the tried-and-tested original, with innovation in detail: the BLF 5.08, PUSH-IN version of the BLZ 5.08 female header, features a new connection system and a more compact design. Weidmüller innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate. In terms of versatility, the BLF 5.08 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.
- Use the BLF 5.08 and SL 5.08HC plug combination in order to reach the max. rated specifications.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/16/90 SN OR BX	1001670000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248693474	18 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/16/90 SN BK BX	1000170001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248690121	18 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 16 SN OR BX**

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Mating connector (fully 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 5.08/16/180R OR BX	1610630000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190008253	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/16/180R BK BX	1712100000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190935115	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

