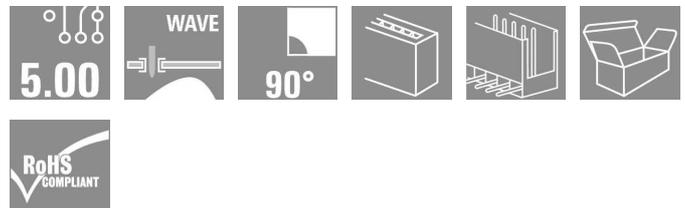


OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX

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



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

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

General ordering data

| | |
|--------------|---|
| Type | SL 5.00/05/90 3.2SN OR BX |
| Order No. | 1571160000 |
| Version | PCB plug-in connector, male header, open side, Solder connection, 5.00 mm, No. of poles: 5, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box |
| GTIN (EAN) | 4008190128463 |
| Qty. | 50 pc(s). |
| Product data | IEC: 400 V / 18 A UL: 300 V / 15 A |
| Packaging | Box |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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Technical data**Dimensions and weights**

| | |
|------------|--------|
| Net weight | 1.53 g |
|------------|--------|

System parameters

| Product family | | Mounting onto the PCB | |
|--|-------------------------------------|--|-----------------------|
| Product family | OMNIMATE Signal - series BL/SL 5.00 | | Solder connection |
| Outgoing elbow | 90° | Pitch in mm (P) | 5 mm |
| Pitch in inches (P) | 0.197 inch | No. of poles | 5 |
| Solder pin length (l) | 3.2 mm | Pin dimensions | d = 1.2 mm, Octagonal |
| Can be coded | Yes | Number of solder pins per pole | 1 |
| Solder eyelet hole diameter (D) | 1.3 mm | Solder eyelet hole diameter tolerance (D) | + 0.1 mm |
| L1 in mm | 20 mm | L1 in inches | 0.787 inch |
| Insulation resistance | ≥ 10 ⁸ Ω | Touch-safe protection acc. to DIN VDE 0470 | IP20 plugged |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch, plugged | | |

Material data

| | | | |
|---------------------------------------|--------|---------------------------------------|--------|
| Insulating material | PBT | Colour | Orange |
| Insulating material group | IIIa | UL 94 flammability rating | V-0 |
| CTI | ≥ 200 | Contact material | CuSn |
| Contact surface | tinned | Operating temperature, min. | -50 °C |
| Operating temperature, max. | 100 °C | Temperature range, installation, min. | -25 °C |
| Temperature range, installation, max. | 100 °C | Max. relative humidity during storage | 80 % |

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

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

CSA rating data

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

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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Technical data

UL 1059 rating data

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

Classifications

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

Notes

- Notes
- Additional colours on request
 - Gold-plated contact surfaces on request
 - Rated current related to rated cross-section & min. No. of poles.
 - P on drawing = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Approvals

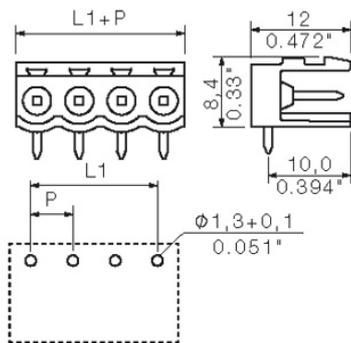
| | |
|-----------|---|
| Approvals |  |
| ROHS | Conform |

Downloads

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

Data sheet**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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Klingenbergstraße 16
D-32758 Detmold
Germany
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Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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Mating connector (conditionally 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 5.00HC/05/180LR SN BK BX | 1956570000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248635382 | 48 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| BLZP 5.00HC/05/180LR SN OR BX | 1956340000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248635047 | 48 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 5.00/05/180F SN OR BX | 1843320000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248355044 | 50 pc(s). | IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12 | Box |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.00/05/180F SN BK BX | 1843550000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, | 4032248355273 | 50 pc(s). |

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/05/90 3.2SN OR BX

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

Clamping range,
 rated connection,
 max.: 3.31 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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|-------------------------|----------------------------|---|-----------------|------------|---|
| 2014-05-20 | BLZP.508/270LH SN OR BX | 1947040000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 403224862280148 | 148 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / 30 AWG |
| 2014-05-20 | BLZP.508/270LH SN BK BX | 1947270000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 403224862323548 | 48 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / 30 AWG |

**OMNIMATE Signal - series BL/SL 5.00
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Klingenbergstraße 16
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Germany
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Fax: +49 5231 14-292083
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Mating connector (conditionally pluggable)

AWG
30
-
AWG
12

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/05/180LR SN OR BX | 1890250000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4032248498734 | 48 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/05/180LR SN BK BX | 1894160000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4032248508402 | 48 pc(s). | IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14 | Box |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (conditionally pluggable)
BLF 5.00/90F SN


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------------------|----------------------------|--|---------------|-----------|---|-----------|
| BLF 5.00HC/05/90F SN BK BX | 1979490000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248674695 | 48 pc(s). | IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26 | Box |
| BLF 5.00HC/05/90F SN OR BX | 1980670000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248675821 | 48 pc(s). | IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26 | Box |

BLZ 5.08/90B


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

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

General ordering data

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|--------------------------|----------------------------|---|---------------|------------|---------------------|
| 2009-12-31 | BLZ 5.08/05/90B SN BK BX | 1555310000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping | 4008190267971 | 166 pc(s). | IEC: 400 V / 15 A / |

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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Mating connector (conditionally pluggable)

| | |
|------------------------------|-----------------|
| yoke connection, | 0.2 |
| Clamping range, | - |
| rated connection, | 2.5 |
| max.: 3.31 mm ² , | mm ² |
| Box | UL: |
| | 300 |
| | V / |
| | 10 |
| | A / |
| | AWG |
| | 26 |
| | - |
| | AWG |
| | 12 |

| | | | | | | |
|---|---------------------------|--------------------------|----------------------------|---|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/90B SN OR BX | 1555360000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190014902 | 66 pc(s). |
|---|---------------------------|--------------------------|----------------------------|---|---------------|-----------|

BLZF 5.08/180F



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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|----------------------------|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZF 5.08/05/180F SN OR BX | 1803360000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248258765 | 48 pc(s). |
| | | BLZF 5.08/05/180F SN BK BX | 1803590000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension | 4032248258994 | 48 pc(s). |

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Mating connector (conditionally pluggable)

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

BLZP 5.08/90F SN


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|---|---------------|-----------|---|-----------|
| BLZP 5.08HC/05/90F SN BK BX | 1950070000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248628001 | 48 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/05/90F SN OR BX | 1949830000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248627752 | 48 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

BLZP 5.08/225B 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/05/225B SN BK BX | 1946010000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 225°, Clamping yoke connection, Clamping | 4032248621538 | 66 pc(s). | IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/05/90 3.2SN OR BX

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Mating connector (conditionally pluggable)

| | | | | | |
|----------------------------|----------------------------|--|-------------------------|---|-----|
| | | range, rated connection, max.: 4 mm ² , Box | | | |
| BLZP | 1945780000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248621255 66 pc(s). | IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| 5.08HC/05/225B SN OR BX | | | | | |

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 | 1649400000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4008190294519 50 pc(s). | | IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14 | Box |
| 5.08/05/180BR OR BX | | | | | | |
| BLC | 1712140000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4008190935153 50 pc(s). | | IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14 | Box |
| 5.08/05/180BR BK BX | | | | | | |

BLZF 5.08/90B



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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|------------------------------|----------------------------|--|---------------|--------------|
| This article will 2015-12-31T00:00:00+01:00 no longer be | BLZF 5.08/05/90B SN OR BX | 1671280000 | PCB plug-in connector, female plug, 5.08 mm, | 4008190432980 | 66 pc(s). |

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

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

BLZ 5.08/180LH



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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|----------------------------|----------------------------|--|-----------------|--|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/180LH SN OR BX | 1892220000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248505623 | 48 pc(s) |
| | 2011-09-30T00:00:00+02:00 | BLZ 5.08/05/180LH SN BK BX | 1893630000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 403224850781850 | IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / 26 AWG - 12 |

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/05/90 3.2SN OR BX

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Mating connector (conditionally pluggable)

ZZ_Varianten



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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|---|---------------|-----------|---|-----------|
| BLZ 5.08/05/180B SN DKGX BX | 1529050000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190290214 | 50 pc(s). | IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12 | Box |

BLZP 5.00/270LH 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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|--------------------------|----------------------------|--|---------------|------------|---|
| 2014-05-20 | BLZP 5.00/270LH SN BK BX | 1961640000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248640911 | 148 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (conditionally pluggable)

| | | | | | |
|------------|---------------------------------|----------------------------|--|------------------------|--|
| 2014-05-20 | BLDT.5.08B.20005/270LH SN OR BX | 1961410000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 403224864068348 pc(s). | AWG 12 IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 |
|------------|---------------------------------|----------------------------|--|------------------------|--|

BLDT 5.08B



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

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

General ordering data

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|-----------------------------|----------------------------|--|------------------------|--|--------------|
| 2014-05-20 | BLDT.5.08B.20005-B SN BK BX | 1673810000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 400819043554755 pc(s). | IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - | |

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D-32758 Detmold
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Mating connector (conditionally pluggable)

| | | | | | |
|------|----------------------------|---|-------------------------|---|---------------|
| BLDT | 1651770000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm², Box | 4008190400453 55 pc(s). | IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12 | 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 5.00/05/270B SN BK BX | 1638300000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box | 4008190275563 66 pc(s). | | IEC: 400 V / 15 A / 0.5 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12 | Box |
| BLZ 5.00/05/270B SN OR BX | 1638070000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box | 4008190275334 66 pc(s). | | IEC: 400 V / 15 A / 0.5 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12 | Box |

BLZ 5.08/225B


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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|---------------------------|----------------------------|--|---------------|-----------|
| This article will 2015-12-31T00:00:00+01:00 no longer be | BLZ 5.08/05/225B SN OR BX | 1742130000 | PCB plug-in connector, female plug, 5.08 mm, | 4008190246778 | 66 pc(s). |

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Mating connector (conditionally pluggable)

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

BLZP 5.08/180F SN



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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| BLZP 5.08HC/05/180F SN OR BX | 1944120000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248617500 | 48 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| BLZP 5.08HC/05/180F SN BK BX | 1944360000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248618934 | 48 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

BLZF 5.08/180LH



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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|--------------------------|----------------------------|---|---------------|-----------|---|
| 2014-06-25 | BLZF 5.08/180LH SN OR BX | 1895750000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension clamp connection, Clamping range, | 4032248510474 | 48 pc(s). | IEC: 400 V / 17 A / 0.2 - |

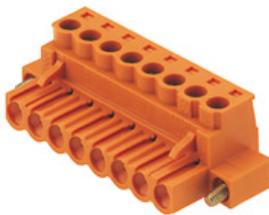
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Mating connector (conditionally pluggable)

| | |
|------------------------------|-----------------|
| rated connection, | 2.5 |
| max.: 3.31 mm ² , | mm ² |
| Box | UL: |
| | 300 |
| | V / |
| | 15 |
| | A / |
| | AWG |
| | 26 |
| | - |
| | AWG |
| | 12 |

BLZ 5.08/180F



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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|---------------------------|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/180F SN BK BX | 1803070000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248258178 | 50 pc(s). |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/180F SN OR BX | 1802860000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248257935 | 48 pc(s). |

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 D-32758 Detmold
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 Fax: +49 5231 14-292083
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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

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|---------------------------|----------------------------|--|-----------------|---|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/180B SN OR BX | 1529060000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190155308 | 50 pc(s) |
| | 2009-12-31T00:00:00+01:00 | BLZ 5.08/05/180B SN BK BX | 1529010000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 400819012518950 | 50 pc(s) |
| | | | | | | IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / 26 AWG |

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Mating connector (conditionally pluggable)
BLL 5.08/90FI


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------------------------|----------------------------|---|---------------|-----------|---------------------------------------|-----------|
| BLL 5.08/05/90FI 3.2SN OR BX | 1843780000 | PCB plug-in connector, female header, Inverted flange, Solder connection, 5.08 mm, No. of poles: 5, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4032248355532 | 48 pc(s). | IEC: 400 V / 23 A UL: 300 V / 15 A | 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 5.08/05/180B 3.2SN OR BX | 1682760000 | PCB plug-in connector, female header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 5, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4008190474522 | 66 pc(s). | IEC: 400 V / 23 A UL: 300 V / 15 A | Box |

**OMNIMATE Signal - series BL/SL 5.00
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Mating connector (conditionally pluggable)
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 5.00HC/05/180F SN OR BX | 1955770000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248634316 | 48 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| BLZP 5.00HC/05/180F SN BK BX | 1956000000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248634576 | 48 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

BLZP 5.08/180LH 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 5.08HC/05/180LH SN OR BX | 1945320000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248619894 | 48 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| 2014-05-20T08:00:00 BLZP 5.08/180LH SN BK BX | 1945550000 | | 4032248620722 | 48 pc(s). | IEC: connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping | 400 V / 19 A / |

Data sheet

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/05/90 3.2SN OR BX

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 Klingenbergstraße 16
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 Fon: +49 5231 14-0
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Mating connector (conditionally pluggable)

| | |
|-------------------------------|-----------------|
| yoke connection, | 0.2 |
| Clamping range, | - |
| rated connection, | 4 |
| max.: 4 mm ² , Box | mm ² |
| | UL: |
| | 300 |
| | V / |
| | 15 |
| | A / |
| | AWG |
| | 30 |
| | - |
| | AWG |
| | 12 |

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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|--------------------------|----------------------------|---|-----------------|-----------|-------------------------------------|
| 2014-05-20 | BLZP 5.00/180LH SN OR BX | 1956960000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 403224863584948 | 48 pc(s). | IEC: 400 V / 19 A / AWG 30 - AWG 12 |
| 2014-05-20 | BLZP 5.00/180LH SN BK BX | 1957260000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, | 403224863607548 | 48 pc(s). | IEC: 400 V / 19 A |

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Mating connector (conditionally pluggable)

| | |
|-------------------------------|-----------------|
| 180°, Clamping | A / |
| yoke connection, | 0.2 |
| Clamping range, | - |
| rated connection, | 4 |
| max.: 4 mm ² , Box | mm ² |
| | UL: |
| | 300 |
| | V / |
| | 15 |
| | A / |
| | AWG |
| | 30 |
| | - |
| | AWG |
| | 12 |

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 5.08HC/05/180LR SN OR BX | 1944860000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248619467 | 48 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| BLZP 5.08HC/05/180LR SN BK BX | 1945090000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248620234 | 48 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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Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
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Mating connector (conditionally pluggable)

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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|------------------------------|----------------------------|---|---------------|-----------|---|
| 2014-05-20 | BLT5.00/05/90/180LH SN OR BX | 1889990000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4032248498437 | 48 pc(s). | IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / 26 AWG |
| 2014-05-20 | BLT5.00/05/90/180LH SN BK BX | 1892520000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4032248506569 | 48 pc(s). | IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / 26 AWG |

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 Fax: +49 5231 14-292083
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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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|---|-------------------------|----------------------------|--|-----------------|-----------|---|
| 2011-09-30 | BLZF 5.08/270B SN BK BX | 1672660000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 400819043437366 | 66 pc(s). | IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / 26 AWG - |
| This article will no longer be available in the future. | BLZF 5.08/270B SN BK BX | BLZF 5.08/05/270B SN OR BX | 1672430000 | 4008190434144 | 66 pc(s). | IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / 26 AWG - |

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D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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Mating connector (conditionally pluggable)
BLF 5.00/90LH SN


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--|----------------------------|--|---------------|---------------|---|---|
| BLF 5.00HC/05/90LH SN BK BX | 1980010000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248675074 | 48 pc(s). | IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26 | Box |
| 2014-05-20T08:00:00Z/BLF 5.00HC/05/90LH SN OR BX | 1981400000 | | | 4032248676705 | 48 pc(s). | IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26 |

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

Mating connector (conditionally pluggable)
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/05/270LR SN OR BX | 1947560000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248623853 | 48 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/05/270LR SN BK BX | 1947790000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248624188 | 48 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

BLZP 5.00/270F SN


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--|----------------------------|---|---------------|-----------|---|-----------------------------------|
| BLZP 5.00HC/05/270F SN BK BX | 1960700000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248639496 | 48 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| 2014-05-20T08:00:00 BLZP 5.00/270F SN OR BX | 1960430000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping | 4032248639298 | 48 pc(s). | | IEC: 400 V / 15.5 A / |

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (conditionally pluggable)

| | |
|-------------------------------|-----------------|
| yoke connection, | 0.2 |
| Clamping range, | - |
| rated connection, | 4 |
| max.: 4 mm ² , Box | mm ² |
| | UL: |
| | 300 |
| | V / |
| | 15 |
| | A / |
| | AWG |
| | 30 |
| | - |
| | AWG |
| | 12 |

BLZF 5.08/180B



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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|----------------------------|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | BLZF 5.08/05/180B SN OR BX | 1708330000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190317799 | 66 pc(s). |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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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 5.00/05/90B SN OR BX | 1637150000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190274399 | 66 pc(s). | IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12 | Box |
| BLZ 5.00/05/90B SN BK BX | 1637380000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190274627 | 66 pc(s). | IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12 | Box |

BLZP 5.00/270LR 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 5.00HC/05/270LR SN BK BX | 1961160000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248640232 | 48 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| 2014-05-20 BLZP 5.00/270LR SN OR BX | 1960930000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, | 4032248639960 | 48 pc(s). | IEC: 400 V / 15.5 A / 0.2 | |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (conditionally pluggable)

| | |
|-------------------------------|-----------------|
| Clamping range, | - |
| rated connection, | 4 |
| max.: 4 mm ² , Box | mm ² |
| | UL: |
| | 300 |
| | V / |
| | 15 |
| | A / |
| | AWG |
| | 30 |
| | - |
| | AWG |
| | 12 |

BLZP 5.08/270F SN


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| BLZP 5.08HC/05/270F SN BK BX | 1950580000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248628711 | 48 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/05/270F SN OR BX | 1950340000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248628469 | 48 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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Mating connector (conditionally pluggable)

BLZ 5.08/180LR



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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|----------------------------|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | BLZ 5.08/05/180LR SN OR BX | 1851230000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248381302 | 48 pc(s). |
| This article will no longer be available in the future. | BLZ 5.08/05/180LR SN BK BX | 1892980000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248507122 | 48 pc(s). |

BLZF 5.08/180LR



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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|-----------------------------|----------------------------|---|---------------|-----------|
| This article will no longer be available in the future. | BLZF 5.08/05/180LR SN OR BX | 1851440000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, | 4032248382910 | 48 pc(s). |

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (conditionally pluggable)

180°, Tension
clamp connection,
Clamping range,
rated connection,
max.: 3.31 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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|---|----------------------------|----------------------------|--|----------------------------|--|--|
| 2009-12-31 | BLZ 5.08/05/90 3.2SN BK BX | 1559910000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 400819026968566 | 66 pc(s). | IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / 26 AWG - 12 AWG |
| This article will no longer be available in the future. | 2015-12-31 | 00:00+01:00 | BLZ 5.08/05/270B SN OR BX | 1559960000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190123253 66 pc(s). |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

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


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| BLF 5.00HC/05/90LR SN BK BX | 1979820000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248674084 | 48 pc(s). | IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26 | Box |
| BLF 5.00HC/05/90LR SN OR BX | 1980900000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248676019 | 48 pc(s). | IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26 | Box |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (fully pluggable)**BLDZ DN 5.08F AU**

Female plugs with two clamping-yoke screw connections per pole. The integrated cross-connection enables the signals (e.g. DeviceNet) to be looped through securely. The T-type arrangement of the connections enables individual modules to be decoupled easily from the network. The test point enables manual diagnosis. The gold-plated contact system guarantees up to 1,000 plugging/unplugging operations!

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------|----------------------------|--|---------------|-----------|---|-----------|
| BLDZ | 1919990000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4032248557899 | 50 pc(s). | IEC: 400 V / 16 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 22 - AWG 12 | Box |
| DN5.08/05/180F | | | | | | |
| GY BX PRT | | | | | | |

BLF 5.00/90 SN

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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------|----------------------------|--|---------------|-----------|---|-----------|
| BLF | 1979300000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248674480 | 72 pc(s). | IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26 | Box |
| 5.00HC/05/90 | | | | | | |
| SN BK BX | | | | | | |
| BLF | 1980200000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated | 4032248675289 | 72 pc(s). | IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26 | Box |
| 5.00HC/05/90 | | | | | | |
| SN OR BX | | | | | | |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (fully pluggable)

connection, max.: 3.31
mm², Box

BLL 5.08/90


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|--|---------------|-----------|---------------------------------------|-----------|
| BLL 5.08/05/90 3.2 SN OR BX | 1622970000 | PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 5, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4008190194017 | 72 pc(s). | IEC: 400 V / 23 A UL: 300 V / 15 A | Box |

BLZP 5.00/90 SN


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------------------------|----------------------------|---|---------------|-----------|---|-----------|
| BLZP 5.00HC/05/90 SN BK BX | 1958620000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248637355 | 72 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| BLZP 5.00HC/05/90 SN OR BX | 1958270000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248637133 | 72 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (fully pluggable)
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/05/180 SN BK BX | 1499810000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4008190861728 72 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/05/180 SN OR BX | 1499860000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4008190030285 72 pc(s). | | IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14 | Box |

BLIDC 5.08


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

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

General ordering data

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|----------------------------|----------------------------|---|-------------------------|------|--|
| 2009-12-31 | BLIDC 5.08/05/180 SN OR BX | 1724970000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, IDC terminal, Clamping range, rated connection, max.: 0.75 mm ² , Box | 4008190377311 50 pc(s). | | IEC: 400 V / 11 A / 0.5 - 0.75 mm ² UL: 300 |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
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Mating connector (fully pluggable)

V /
5
A /
AWG
22
-
AWG
20

BLZF 5.08/270



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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|---------------------------|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZF 5.08/05/270 SN OR BX | 1671970000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190433680 | 72 pc(s). |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZF 5.08/05/270 SN BK BX | 1672200000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190433918 | 72 pc(s). |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (fully pluggable)
BLZF 5.08/180


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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|---------------------------|----------------------------|--|---------------|----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZF 5.08/05/180 SN BK BX | 1707720000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190316723 | 72 pc(s) |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZF 5.08/05/180 SN OR BX | 1707490000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190395865 | 72 pc(s) |

BLZ 5.00/270


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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|--------------------------|----------------------------|---|---------------|----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.00/05/270 SN OR BX | 1637610000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, | 4008190274856 | 72 pc(s) |

Data sheet

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (fully pluggable)

270°, Clamping
yoke connection,
Clamping range,
rated connection,
max.: 3.31 mm²,
Box

| | | | | | |
|---|---|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 BLZ 5.00/05/270 SN BK BX | 1637840000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190275082 | 72 pc(s). |
|---|---|----------------------------|--|---------------|-----------|

BLZ 5.00/90



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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|--|----------------------------|---|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 BLZ 5.00/05/90 SN BK BX | 1636920000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190274160 | 72 pc(s). |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 BLZ 5.00/05/90 SN OR BX | 1635970000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190265823 | 72 pc(s). |

**OMNIMATE Signal - series BL/SL 5.00
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Germany
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www.weidmueller.com

Mating connector (fully pluggable)

BLZ 5.08/180



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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|--------------------------|----------------------------|--|---------------|----------|
| This article will no longer be available in the future. 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/180 SN OR BX | 1526760000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190052287 | 50 pc(s) |
| This article will no longer be available in the future. 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/180 SN BK BX | 1526710000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190287856 | 50 pc(s) |

BL 5.08



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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|-------------------------|----------------------------|---|---------------|----------|
| This article will no longer be available in the future. 2015-12-31T00:00:00+01:00 | BL 5.08/05/180 SN OR BX | 1716350000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, | 4008190376383 | 50 pc(s) |

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Mating connector (fully pluggable)

| | | | | | |
|---|---------------------------|---|---|---------------|-----------|
| | | | 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box | | |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BL 5.08/05/180 SN DKGN 1723860000 BX | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box | 4008190376222 | 50 pc(s). |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BL 5.08/05/180 SN BK BX 1716500000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box | 4008190376543 | 50 pc(s). |

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 5.00HC/05/180 SN BK BX | 1955540000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248634033 | 45 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| BLZP 5.00HC/05/180 SN OR BX | 1954460000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping | 4032248633173 | 45 pc(s). | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

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Mating connector (fully pluggable)

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

BLZP 5.08/225 SN



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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| BLZP 5.08HC/05/225 SN OR BX | 1946280000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248621859 | 72 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/05/225 SN BK BX | 1946590000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248622368 | 72 pc(s). | IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

BLZF 5.08/180LH



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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|--------------------------|----------------------------|---|---------------|-----------|---|
| 2011-09-30 | BLZF 5.08/180LH SN BK BX | 1893190000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension clamp connection, Clamping range, | 4032248507337 | 48 pc(s). | IEC: 400 V / 17 A / 0.2 - |

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Mating connector (fully pluggable)

| | |
|------------------------------|-----------------|
| rated connection, | 2.5 |
| max.: 3.31 mm ² , | mm ² |
| Box | UL: |
| | 300 |
| | V / |
| | 15 |
| | A / |
| | AWG |
| | 26 |
| | - |
| | AWG |
| | 12 |

BLZ 5.00/180



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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|--------------------------|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.00/05/180 SN OR BX | 1571380000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190183622 | 50 pc(s). |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.00/05/180 SN BK BX | 1625630000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190196936 | 50 pc(s). |

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Mating connector (fully pluggable)
BLL 5.08/180


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------------------------|----------------------------|---|-------------------------|------|---------------------------------------|-----------|
| BLL 5.08/05/180 3.2 SN OR BX | 1630740000 | PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 5, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4008190204167 72 pc(s). | | IEC: 400 V / 23 A UL: 300 V / 15 A | 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 5.08HC/05/180 SN BK BX | 1943840000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248617876 45 pc(s). | | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |
| BLZP 5.08HC/05/180 SN OR BX | 1943610000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248617609 45 pc(s). | | IEC: 400 V / 19 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

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Mating connector (fully pluggable)

BLZF 5.08/90



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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|--------------------------|----------------------------|---|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZF 5.08/05/90 SN OR BX | 1670820000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190432423 | 72 pc(s). |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZF 5.08/05/90 SN BK BX | 1671050000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190432720 | 72 pc(s). |

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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|---------------------------|-----------------------|----------------------------|--|---------------|-----------|--------------|
| 2014-06-25T00:00:00+02:00 | BLZ 5.08/225 SN BK BX | 1741900000 | PCB plug-in connector, female plug, 5.08 mm, | 4008190255596 | 72 pc(s). | IEC: 400 V / |

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Mating connector (fully pluggable)

| | |
|------------------------------|-----------------|
| No. of poles: 5, | 16.5 |
| 225°, Clamping | A / |
| yoke connection, | 0.2 |
| Clamping range, | - |
| rated connection, | 2.5 |
| max.: 3.31 mm ² , | mm ² |
| Box | UL: |
| | 300 |
| | V / |
| | 10 |
| | A / |
| | AWG |
| | 26 |
| | - |
| | AWG |
| | 12 |

| | | | | | | |
|---|---------------------------|--------------------------|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/225 SN OR BX | 1741670000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4032248049844 | 72 pc(s). |
|---|---------------------------|--------------------------|----------------------------|--|---------------|-----------|

BLDT 5.08



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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-------------------------|----------------------------|--|---------------|-----------|---|-----------|
| BLDT 5.08/05/- SN OR BX | 1644760000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190283971 | 50 pc(s). | IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12 | Box |
| BLDT 5.08/05/- SN BK BX | 1660740000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping | 4008190417192 | 60 pc(s). | IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12 | Box |

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Mating connector (fully pluggable)

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

BLZP 5.08/270 SN


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| BLZP 5.08HC/05/270 SN BK BX | 1949050000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248626502 | 72 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/05/270 SN OR BX | 1948820000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | 4032248626274 | 72 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

BLC 5.08R


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

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

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|------------------------------|----------------------------|--|---------------|-----------|---|-----------|
| BLC 5.08/05/180R OR BX | 1610520000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4008190017736 | 50 pc(s). | IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14 | Box |

Data sheet

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Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Mating connector (fully pluggable)

| | | | | | |
|------------------------------|----------------------------|--|-------------------------|---|-----|
| BLC 5.08/05/180R BK BX | 1711990000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box | 4008190935009 50 pc(s). | IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14 | Box |
|------------------------------|----------------------------|--|-------------------------|---|-----|

BL 5.00



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

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

General ordering data

| Delivery status Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|--|-------------------------|----------------------------|---|---------------|-----------|
| This article will no longer be available in the future. 2015-12-31T00:00:00+01:00 | BL 5.00/05/180 SN BK BX | 1730730000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box | 4008190387303 | 50 pc(s). |
| This article will no longer be available in the future. 2015-12-31T00:00:00+01:00 | BL 5.00/05/180 SN OR BX | 1723140000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box | 4032248002542 | 50 pc(s). |

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Mating connector (fully pluggable)

BLZ 5.08/270



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

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

General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|--------------------------|----------------------------|--|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/270 SN BK BX | 1557610000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190269456 | 72 pc(s). |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/270 SN OR BX | 1557660000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190144012 | 72 pc(s). |

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 5.00HC/05/270 SN OR BX | 1958840000 | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping | 4032248637676 | 72 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12 | Box |

Data sheet

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Mating connector (fully pluggable)

| | | | | | |
|---------------|----------------------------|---|-------------------------|---|-----|
| BLZP | 1959070000 | range, rated connection, max.: 4 mm ² , Box | | | |
| 5.00HC/05/270 | | PCB plug-in connector, | 4032248638000 72 pc(s). | IEC: 400 V / 15.5 A / 0.2 - 4 mm ² | Box |
| SN BK BX | | female plug, 5.00 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box | | UL: 300 V / 15 A / AWG 30 - AWG 12 | |

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

| Available until | Type | Order No. | Version | GTIN (EAN) | Qty. | Product data |
|-----------------|--------------------------|----------------------------|--|-----------------|-----------|--|
| 2011-09-30 | BLZF 5.08/180LR SN BK BX | 1892750000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 403224850679848 | 48 pc(s). | IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - 12 |

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/05/90 3.2SN OR BX**

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

Mating connector (fully pluggable)

BLZ 5.08/90



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

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

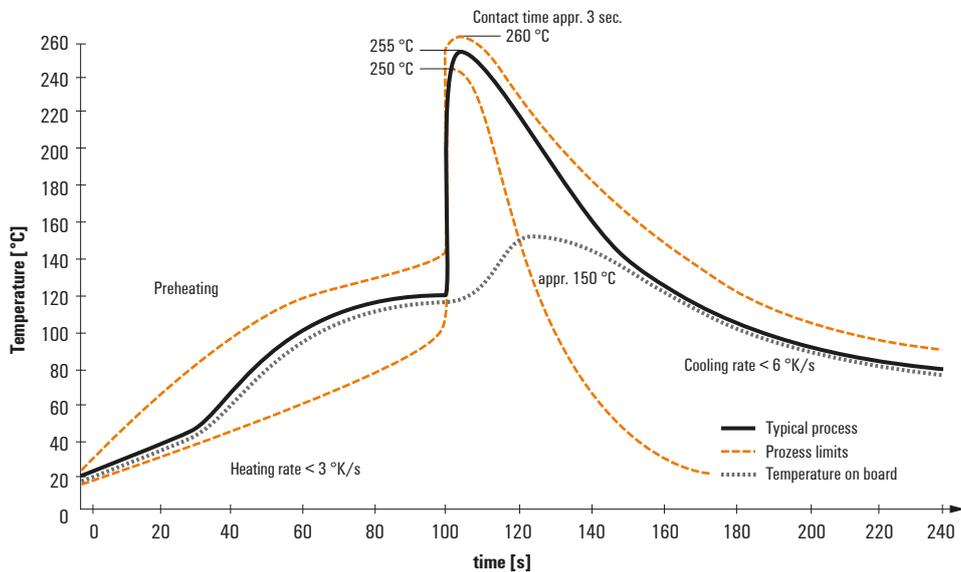
General ordering data

| Delivery status | Available until | Type | Order No. | Version | GTIN (EAN) | Qty. |
|---|---------------------------|-------------------------|----------------------------|---|---------------|-----------|
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/90 SN OR BX | 1553060000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190081331 | 72 pc(s). |
| This article will no longer be available in the future. | 2015-12-31T00:00:00+01:00 | BLZ 5.08/05/90 SN BK BX | 1553010000 | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box | 4008190267735 | 72 pc(s). |

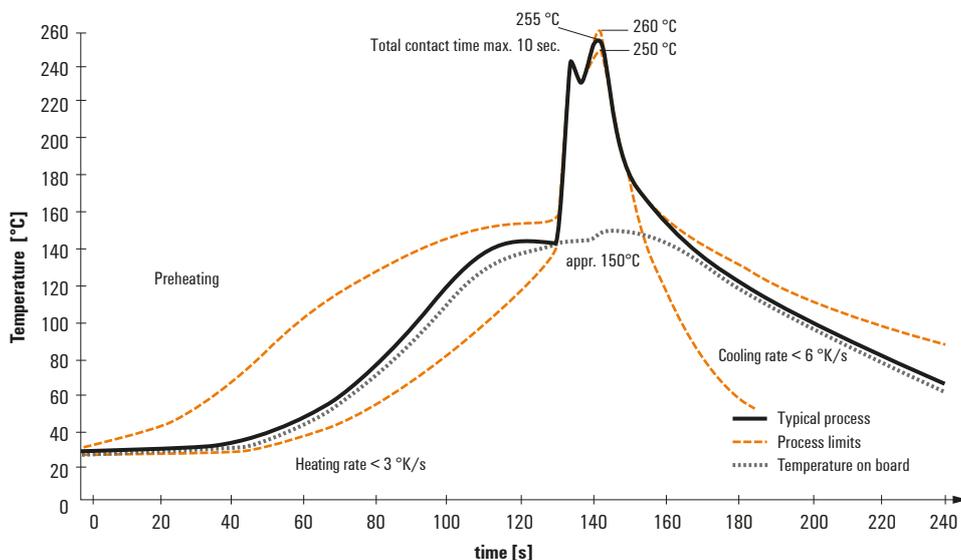
Recommended wave soldering profiles

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

Single Wave:



Double Wave:



Wave soldering profiles

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

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

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

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

Addresses worldwide

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Weidmüller Middle East FZE
Warehouse Q3-79
SAIF-Zone
P.O. BOX 8591
Sharjah
Tel. +971 65572723
Fax +971 65572724
wme.info@weidmueller.com
- AO Angola**
Please contact
Phambili Interface
South Africa
- AR Argentina**
CPI SA
Bauness 2660
C1431DOF Buenos Aires
Tel. +54 11 4523 8008
Fax +54 11 4522 0546
info@cpi.com.ar
www.cpi.com.ar
- AT Austria**
Weidmüller GmbH
IZ NOE Süd Straße 2b, Obj
M 59
2355 Wiener Neudorf
Tel. +43 2236 67080
Fax +43 2236 6708-899
office.at@weidmueller.com
www.weidmueller.com
- AU Australia**
Weidmüller Pty. Ltd.
PO BOX 6944
Huntingwood 2148
Huntingwood Drive 43
Huntingwood NSW 2148
Tel. +61 2 9671 9999
Fax +61 2 9671 9911
info@weidmuller.com.au
www.weidmuller.com.au
- AZ Azerbaijan**
Representative Office
Rashad Mahmudov
Demirchi Tower, 4th floor
37, Khojali ave.
AZ 1025 Baku
Tel. +994 12 488 80 36
Fax +994 12 488 80 37
rashad.mahmudov@weidmueller.com
- BA Bosnia and Herzegovina**
Please contact
our Representative Office
Weidmüller Interface GmbH
& Co. KG
Serbia
or
BIG electric d.o.o
Mladena Stojanovića 117A
78000 Banja Luka
Tel. +387 51926277
Fax +387 51926277
bigelectric@blic.net
www.bigelectric.ba
- BE Belgium**
Weidmüller Benelux B. V.
Mechelsesteenweg 519 bus
6 en 7
1930 Nossegem
Tel. +32 2 752 40 70
Fax +32 2 751 36 06
info@weidmueller.be
www.weidmueller.be
- BG Bulgaria**
Weid-Bul EOOD
Bul. „Kliment Ohridski“ 13
1756 Sofia
Tel. +359 2 963 2560
Fax +359 2 963 1098
sofia@weidbul.com
www.weidbul.com
- BH Bahrain**
Khayber Trading Company
P.O. Box 1976
Manama
Tel. +973 720747
Fax +973 720331
khayber@batelco.com.bh
- BR Brazil**
Weidmüller Conexel do Brasil
Conexes Elétricas Ltda.
Av. Presidente Juscelino, 642
- Piraporinha
Diadema, São Paulo
09950-370
Tel. +55 (11) 4366-9600
Fax +55 (11) 4362-1677
vendas@weidmueller.com.br
www.weidmueller.com.br
- BW Botswana**
Please contact
Phambili Interface
South Africa
- BY Belarus**
TECHNIKON Ltd.
Nezavisimosti pr. 177-9
220125 Minsk
Tel. +375 17 393-11-77
Fax +375 17 3930080
wm@technikon.by
- CA Canada**
W Interconnections Canada
Inc.
10 Spy Court
Markham Ontario L3R 5H6
Tel. +1 (905) 475-1507
Ext. 9836
Fax +1 (905) 475-2798
support@weidmuller.ca
www.weidmuller.ca
- CG Congo**
Please contact
Phambili Interface
South Africa
- CH Switzerland**
Weidmüller Schweiz AG
Rundbuckstraße 2
8212 Neuhausen am
Rheinfall SH
Tel. +41 52 674 07 07
Fax +41 52 674 07 08
info@weidmueller.ch
www.weidmueller.ch
- CL Chile**
ATS-INTECH
Maria Luisa Santander 0475
Santiago
Providencia 7500859
Tel. +56 2 341 1271
Fax +56 2 341 1275
felipe@atsintech.com
www.atsintech.com
CPI CHILE LTDA
Av. Presidente Frei Montalva
6001, 47 complejo el cortijo
Santiago - Conchalí
Tel. +562 963 8440
Fax +562 963 8440
cpi@cpichile.cl
www.cpicichile.cl
- CN China**
Weidmüller Interface
(Shanghai) Co. Ltd.
100 Yutong Road
25 F, BM Intercontinental
Business Center
200070 Shanghai
Tel. +86 21-22195008
Fax +86 21-22195009
customer.hotline@weidmueller.com.cn
www.cnweidmuller.com
- CO Colombia**
Automatización Avanzada
S. A.
Carrera 97 No., 24 c - 23
Bodega 4
110911 Bogotá-D.C.
Tel. +57 (1) 547-8510
Fax +57 (1) 422-3044
comercial@automatizacionavanzada.com
www.automatizacionavanzada.com
- CR Costa Rica**
ELVATRON S. A.
la Uruca 400 Norte Banco
Costa Rica
San Jose Costa Rica
Tel. +506 2961-060
Fax +506 5200-609
dirk.haase@elvatron.com
www.elvatron.com
- CZ Czech Republic**
Weidmüller s.r.o.
Lomnického 5/1705
140 00 Praha 4
Tel. +420 244 001 400
Fax +420 244 001 499
office@weidmueller.cz
www.weidmueller.cz
- DE Germany**
Weidmüller GmbH & Co. KG
Olmstraße 9
32758 Detmold
Postfach 30 54
32720 Detmold
Tel. +49 5231 1428-0
Fax +49 5231 1428-116
weidmueller@weidmueller.de
www.weidmueller.de
- DK Denmark**
Weidmüller Danmark
Vallensbækvej 18A
2605 Brøndby
Tel. +45 27747800
kundeservice@weidmuller.dk
www.weidmuller.dk
- EC Ecuador**
Elsystec S. A., Electricidad
Sistemas y Tecnología
Vasco de Contreras N35-25 1
y Mañosa
Quito - Pichincha
Tel. +593 22456510
Fax +593 22456755
Elsystec@uio.satnet.net
- EE Estonia**
Please contact
our Representative Office
Weidmüller Interface GmbH
& Co. KG
Latvia
or
Soots Interface OÜ
Pärnu mnt 142
11317 Tallinn
Tel. +372 609 6933
Fax +372 609 6933
info@sootsinterface.ee
www.sootsinterface.ee
- EG Egypt**
Standard Electric (OMEGA)
87, Mohamed Farid Street
Heliopolis
Cairo
Tel. +202 26229000
Fax +202 26221555
stdelec@rite.com
- ES Spain**
Weidmüller, S. A.
Narcis Monturiol 11-13, Pol.
Ind. Sudoeste
8960 Sant Just
Desvern - Barcelona
Tel. +34 934 803 386
Fax +34 933 718 055
weidmuller@weidmuller.es
www.weidmuller.es
- FI Finland**
Weidmüller Suomi,
Weidmüller Aktiebolagetin
sivillike
Koy Plaza Vivace
Ayritie 8C
FI 1510 Vantaa
Tel. +358 20 7351300
Fax +358 800 114 667
asiakaspalvelu@weidmuller.fi
www.weidmuller.fi
- FR France**
Weidmüller E. U. R. L.
12, Chaussée Jules César
BP 263 Osny
95523 Cergy-Pontoise Cedex
Tel. +33 1 34 24 55 00
Fax +33 1 34 24 55 01
mail@weidmuller.fr
- GB Great Britain**
Weidmüller Ltd.
Klippon House
Centurion Court Office Park,
Meridian East, Meridian
Business Park
Leicester
LE19 1TP
Tel. +44 116 282 3470
Fax +44 116 289 3582
marketing@weidmuller.co.uk
www.weidmuller.co.uk
- GE Georgia**
Please contact
our Representative Office
Rashad Mahmudov
Azerbaijan.
- GR Greece**
G.A. Solutions
Ippokratous 11 Metamorfosi
144 52 Athen
Tel. +30 210 2823233
Fax +30 210 2823233
info@weidmuller.gr
www.weidmuller.gr
- GT Guatemala**
Prestelectro, Prestegard
Electro. S.A.
Avenida Petapa 44-22,
Zona 12
Guatemala City
Tel. +502 2442-3346
Fax +502 2476-8945
ventas@preselectro.com
- HK Hong Kong**
Weidmüller (Hong Kong)
Limited Co. Ltd.
Unit 1617, Metropolis Tower
No. 10 Metropolis Drive,
Hungghom, Kowloon
Tel. +852 3154 8088
Fax +852 31548099
Info-hk@weidmueller.com.hk
- HR Croatia**
ElektroPARTNER d.o.o.
Slavonska avenija 24/6
HR-10000 Zagreb
Tel. +385 (1) 6184 793
Fax +385 (1) 6184 795
elektropartner@zg-t.com.hr
www.elektropartner.hr
- HU Hungary**
Weidmüller Kereskedelmi Kft.
Budapest
Gubacsi út 6.
1097
Tel. +36 1 382 7700
Fax +36 1 382 7701
info@weidmueller.hu
www.weidmueller.hu
- ID Indonesia**
PT. Nego Electrindo
Ruko Mega Grosir Cempaka
Mas Blok I No. 20 - 22
Jakarta 10640
Tel. +62 21 42882255
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sales@negoelectrindo.co.id
- IE Ireland**
Please contact
Weidmüller Ltd.
Great Britain
- IL Israel**
A. U. Shay Ltd.
23/25, Embar Street
49222 Petach-Tikva
P.O. Box 1 00 49
49222 Petach-Tikva
Tel. +972 3-923-3601
Fax +972 3-923-4601
shay@uriel-shay.com
www.uriel-shay.com
ATEKA Ltd.
4, Ha Tavor lane Industrial
area Segula
49691 Petach-Tikva
P.O. Box 4710
Petach-Tikva
Tel. +972 73-200-1311
Fax +972 3-924 4245
marketing@ateka.co.il
www.ateka.co.il
- IN India**
Representative Office
Weidmüller Electronics India
Pvt. Ltd.
12th Lane North Avenue, Opp
Joggers Park,
Kalyani Nagar, Pune
411 006
Tel. +91 20-41290090
Nitish.Rajan@weidmueller.de
www.weidmueller.com
- IS Iceland**
Samey Automation Center
Lyngas 13
210 Garoabaer
Tel. +354 5 10 5200
Fax +354 5 10 5201
Samey@samey.is
www.samey.is
- IT Italy**
Weidmüller S. r.l.
Via Albert Einstein 4
20092 Cinisello
Balsamo Milano
Tel. +39 02 660681
Fax +39 02 6124945
weidmuller@weidmuller.it
www.weidmuller.it
- JM Jamaica**
Please contact
W Interconnections Inc.
United States
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Trans Jordan for Electro
PO Box 33 06 07
Amman
Tel. +962 6 533 2020
Fax +962 6 533 5800
transjordan@batelco.jo
- JP Japan**
Nihon Weidmüller Co. Ltd.
Sphere Tower Tennoz 2-2-8
Higashi-Shinagawa,
Shinagawa-ku
Tokyo
140-0002
Tel. +81 3 6711 5300
Fax +81 3 6711 5333
weidmullerjapan@weidmuller.co.jp
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Phambili Interface
South Africa
- KR Korea**
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9th floor, Wonbang B/D
Samsseong 2-Dong, Gangnam-Gu
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Please contact
our Representative Office
Weidmüller Interface GmbH
& Co. KG
Latvia
or
ELEKTROS IRANGA
Tinklu g. 29 a
LT-5319 Panevezys
Tel. +370 (45) 582 828
Fax +370 (45) 582 727
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SIA Abi4
Daugavgrivas 31b
Rīga, LV-1007
Tel. +371 674 70999
Fax +371 674 65637
abi_4@tvnet.lv

Representative Office
Weidmüller Interface GmbH & Co. KG
Udens str. 12-118
Rīga, LV-1007
Tel. +371 29254766
Fax +371 676 24562
lgonis.rudaks@weidmuller.com
www.weidmuller.com
- MD Moldova**
BERHORD A & D srl
79/1, str. Milescu Spartaru
MD-2075 Chisinau
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Serbia

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UL. III Makedonska brigada
b.b.
1000 Skopje
Tel. +389 22460295
Fax +389 22460298
Elektro-smk@telekabel.net.mk
- MT Malta**
E. S. S., Electrical Supplies & Services Ltd.
San Gwakklin Road
Mrieהל

Tel. +356 21255777
Fax +356 21255999
robert.agiuss@ess.com.mt
- MU Mauritius**
Mubelo Electrical Ltd.
Office 26, Gateway building,
St Jean Road
Quatre Bornes
Mauritius
Tel. +230 4670989
Fax +230 4654051
richard.mubelo@orange.mu
- MW Malawi**
Please contact Phambili Interface
South Africa
- MX Mexico**
W Interconnections S. A.
DE C. V.
Bvd. Hermanos Serdán 698,
Col. San Rafael Oriente
72029 Puebla
Tel. +52 (222) 268 6227
Fax +52 (222) 286 6242
clientes@weidmuller.com.mx
- MY Malaysia**
Connect Plus Technology
Sdn Bhd
No. 43, Jalan PJS 11/22,
Bandar Sunway
46150 Petaling Jaya
Selangor Darul Ehsan
Tel. +60 3 5633 7363
Fax +60 3 5633 6562
paul@cptech.com.my
www.cptech.com.my
- MZ Mozambique**
Please contact Phambili Interface
South Africa
- NA Namibia**
Please contact Phambili Interface
South Africa
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Please contact Phambili Interface
South Africa
- NL Netherlands**
Weidmüller Benelux B. V.
Franciscusweg 221
1216 SE Hilversum
P.O. Box 1505
1200 BM Hilversum
Tel. +31 35 626 12 61
Fax +31 35 623 20 44
info@weidmuller.nl
www.weidmuller.nl
- NO Norway**
Sivilingeniør J.F. Knudtzen AS
Billingstadsetta 97
1396 Billingstad
PO Box 160
1378 Nesbru
Tel. +47 66 98 33 50
Fax +47 66 98 09 55
firmapost@jfknudtzen.no
www.jfknudtzen.no
- NZ New Zealand**
Cuthbert S. Stewart Ltd.
27 Te Puni Street
Petone
PO Box 38496
Wellington Mail Centre 5054
Tel. (04) 568 6156
Fax (04) 568 6056
csl@cuthbertstewart.co.nz

Cuthbert S. Stewart Ltd
4 Fred Thomas Drive
Aon Building, Ground Floor,
South Entry
Takapuna
PO Box 100 338
North Shore City 745
Tel. (09) 489 1751
Fax (09) 489 1752
cslak@cuthbertstewart.co.nz
- OM Oman**
DAN INTERNATIONAL LLC.
Ghala St. 111
BP 2901
Seeb
Tel. +968 5036 77
Fax +968 5037 55
yedu@danintl.com
- PE Peru**
IMPEXINCA S.A.C.
Calle Ortiz de Zevallos No.
105, Urb. San Antonio
18
Lima, Miraflores
Tel. +51 1 447 5608
info@impexinca.pe
www.impexinca.pe

J & W CIA. S. A.
Calle 6 Mz. D Lte. 23, Urb.
Ind. Grimanesa
1
Callao
Tel. +51 1 572 2539
Fax +51 1 572 0152
contacto@jwcia.com
www.jwcia.com
- PH Philippines**
Enclosure Systems Specialists
Inc.
2276 Don Chino Roces
Avenue Extension
Room 103/105 Narra Building
1231 Makati City
Tel. +63 2 813 8580
Fax +63 2 813 8596
sales_encsys@pltdsl.net
www.enclosuresystemsph.com
- PK Pakistan**
Automation Controls (Pak)
Apartment No. 33 C III,
Chenab Block, Allama Iqbal
Town
Lahore
Tel. +92 42 37809948
Fax +92 42 37809950
nadeem@acpak.com.pk
www.acpak.com.pk
- PL Poland**
Weidmüller Sp. z o. o.
ul. Ogrodowa 58
00-876 Warszawa
Tel. +48 22 510 09 40
Fax +48 22 510 09 41
biuro@weidmuller.com.pl
www.weidmuller.pl
- PR Puerto Rico**
Please contact W Interconnections Inc.
United States
- PT Portugal**
Weidmüller Sistemas de Interface S. A.
Estrada Outeiro Polima, R.
Augusto Dias da Silva, Lote B - Esct. 2
São Domingos de Rana
2785-515 Abóboda
Tel. +351 214 459 191
Fax +351 214 455 871
weidmuller@weidmuller.pt
www.weidmuller.pt
- PY Paraguay**
Please contact CPI SA
Argentina
- RO Romania**
Representative Office
Weidmüller Interface GmbH & Co. KG
Ionescu Crum Street, No. 1,
1st Tower, 1st Floor, Office 4
500446 Brasov - Brasov
Business Park
Tel. +40 (268) 446 222
Fax +40 (268) 446 224
claudiu.totea@weidmuller.com
www.weidmuller.com
- RS Serbia**
Representative Office
Weidmüller Interface GmbH & Co. KG
Ustanicka 189, III sprat
Iokal 7a
11050 Beograd
Tel. +381 11 2885274
Fax +381 11 2885274
zoran.rabrenovic@weidmuller.com
- RU Russia**
OOO Weidmüller
Warshavskoye highway, 25
A, bld. 6
Moskau
117105
Tel. +7 (495) 771-69-40
Fax +7 (495) 771-69-41
Info@weidmuller.ru
www.weidmuller.ru
- SA Saudi Arabia**
Please contact Weidmüller Middle East FZE
United Arab Emirates
- SE Sweden**
Weidmüller AB
Axel Danielssons väg 271
BOX 31025
SE-200 49 Malmö
Tel. +46 77-143 00 44
Fax +46 40-37 48 60
info@weidmuller.se
www.weidmuller.se
- SG Singapore**
Weidmüller Pte. Ltd.
70 Bendemeer Road
04-03 Luzerne Building
Singapore 339940
Tel. +65 6841 5311
Fax +65 6841 5377
info@weidmuller.com.sg
www.weidmuller.com.sg
- SI Slovenia**
Elektrospoji d. o. o.
Stegne 27
SI- 1000 Ljubljana
Osrednjeslovenska
Tel. +386 1 511 3810
Fax +386 1 511 1604
info@elektrospoji.si
www.elektrospoji.si
- SK Slovakia**
ELEKTRIS s.r.o.
Elektrárnská 1
831 04 Bratislava
Tel. +421 2/4920 0113
Fax +421 2/4920 0119
bratislava@elektris.sk
- SV El Salvador**
Prestegard Electro
11 Avenida Norte No. 240
Edificio Salazar No. 2
San Salvador
Tel. +503 2271 1690
Fax +503 2221 3851
prestegard@navegante.com.sv
- SY Syria**
Please contact Weidmüller Middle East FZE
United Arab Emirates
- SZ Swaziland**
Please contact Phambili Interface
South Africa
- TH Thailand**
Pisanu Engineering Co. Ltd.
Kwang Dingaeng, Khet Dingaeng
800/2 Soi Trakulsuk, Asokedindaeng Road
Dindaeng, Bangkok 10400
Tel. +66 2 248 2896
Fax +66 2 642 9220
ecsales@pisanu.co.th
www.pisanu.co.th

Representative Office
Weidmüller Pte. Ltd.
37/F, Sathorn Square Building
98 North Sathorn Road
Bangkok, Silom Bangrak 10500
Tel. +66 2 105 6300
Fax +662 105 6301
info@weidmuller.com.sg
- TN Tunisia**
Please contact Weidmüller E. U. R. L.
France
- TR Turkey**
Weidmüller Elektronik Ticaret Ltd. Sirketi
Kavacık Mah. Orhan Veli Kanık Caddesi 9/1
34810 Beykoz / Istanbul
Tel. +90 (216) 537 10 70
Fax +90 (216) 537 10 77
info@weidmuller.com.tr
www.weidmuller.com.tr
- TW Taiwan**
Weidmüller (Hong Kong) Limited
No. 3, Lane 89, ChungYang N. Rd.
24148 SanChuang City, Taipei
Tel. +886 921 949 751
roy.lin@weidmuller.com.hk
- TZ Tanzania**
Please contact Phambili Interface
South Africa
- UA Ukraine**
LLC WM UKRAINE
Levanevskogo str. 6
Kiev
3058
Tel. +38 044 490 32 48
Fax +38 044 490 32 49
info@wm-ua.com.ua
wm-ua.com.ua/

Representative Office
Weidmüller Interface GmbH & Co. KG
Z. office 303
7-D, Zdobunivska str.
Kiev, 2081
Mobile +38 050 440 25 24
info.ua@weidmuller.com
- US United States**
W Interconnections Inc.
821 Southlake Boulevard
Richmond Virginia 23236
Tel. +1 (804) 794-2877
Fax +1 (804) 379-2593
info@weidmuller.com
www.weidmuller.com
- UZ Republic of Uzbekistan**
Please contact OOO Weidmüller
Russia
- VN Vietnam**
AUMI Industrial Equipment & Automation Company Limited
E1, La Thanh Hotel
218 Doi Can Street
Lieu Giai Ward, Ba Dinh District
Hanoi City
Tel. +84 4 37628601
Fax +84 4 62661391
aumi@aumi.com.vn
www.aumi.com.vn

Representative Office
Weidmüller Pte. Ltd.
Level 16 Saigon Tower Building
29 Le Duan Street
District 1
Ho Chi Minh
Tel. +848 3520 7717
Fax +848 3520 7604
info@weidmuller.com.sg
- ZA South Africa**
Phambili Interface
PO Box 193
1609 Johannesburg, Edenvale
5 Bundo Road, Sebenza
1610 Johannesburg
Tel. +27 (11) 4521930
Fax +27 (11) 4526455
info@weidmuller.co.za
www.weidmuller.co.za
- ZM Zambia**
Please contact Phambili Interface
South Africa
- ZW Zimbabwe**
Please contact Phambili Interface
South Africa

