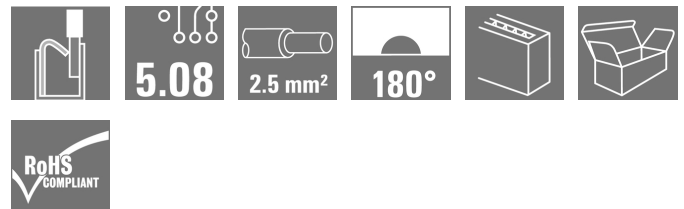


OMNIMATE Signal - series BL/SL 5.08 SLF 5.08/08/180B SN OR BX

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Product image



Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through. The male plugs provide space for labelling and can be coded.

General ordering data

| | |
|--------------|---|
| Type | SLF 5.08/08/180B SN OR BX |
| Order No. | 1335510000 |
| Version | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 8, 180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm², Box |
| GTIN (EAN) | 4050118140125 |
| Qty. | 42 pc(s). |
| Product data | IEC: 400 V / 25.9 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - AWG 12 |
| Packaging | Box |

Creation date May 3, 2020 3:34:28 AM CEST

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180B SN OR BX**

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Height | 14.2 mm | Height (inches) | 0.559 inch |
| Depth | 30 mm | Depth (inches) | 1.181 inch |
| Net weight | 16.33 g | | |

System Parameters

| | | | |
|----------------------------|-------------------------------------|--|--|
| Product family | OMNIMATE Signal - series BL/SL 5.08 | Type of connection | Field connection |
| Wire connection method | PUSH IN, Spring connection | Pitch in mm (P) | 5.08 mm |
| Pitch in inches (P) | 0.2 inch | Conductor outlet direction | 180° |
| Number of poles | 8 | L1 in mm | 35.56 mm |
| L1 in inches | 1.4 inch | Pin series quantity | 1 |
| Rated cross-section | 2.5 mm ² | Touch-safe protection acc. to DIN VDE 57 106 | finger-safe plugged/ back-of-hand-safe unplugged |
| Volume resistance | 4.50 mΩ | Can be coded | Yes |
| Stripping length | 10 mm | Screwdriver blade | 0.6 x 3.5 |
| Screwdriver blade standard | DIN 5264 | Plugging cycles | 25 |
| Plugging force/pole, max. | 7 N | Pulling force/pole, max. | 5.5 N |

Material data

| | | | |
|---------------------------------------|--------------------------|---------------------------------------|---------------------|
| Insulating material | PBT | Colour | orange |
| Colour of operational elements | black | Material of operational elements | PBT |
| Colour chart (similar) | RAL 2000 | Insulation strength | ≥ 10 ⁸ Ω |
| UL 94 flammability rating | V-0 | GWFI | 960 °C |
| Contact material | CuSn | Contact surface | tinned |
| Layer structure of plug contact | 4-8 μm Sn hot-dip tinned | Storage temperature, min. | -25 °C |
| Storage temperature, max. | 50 °C | Max. relative humidity during storage | 70 % |
| Operating temperature, min. | -50 °C | Operating temperature, max. | 100 °C |
| Temperature range, installation, min. | -25 °C | Temperature range, installation, max. | 100 °C |

Conductors suitable for connection

| | |
|---|----------------------|
| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 3.31 mm ² |
| Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section AWG, max. | AWG 12 |
| Solid, min. H05(07) V-U | 0.2 mm ² |
| Solid, max. H05(07) V-U | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² |
| Flexible, max. H05(07) V-K | 2.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, 0.2 mm ² min. | |
| w. plastic collar ferrule, DIN 46228 pt 4, 2.5 mm ² max. | |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.2 mm ² |
| w. wire end ferrule, DIN 46228 pt 1, max. | 2.5 mm ² |
| Plug gauge in accordance with EN 60999 a x b; ø | 2.8 mm x 2.0 mm |

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**OMNIMATE Signal - series BL/SL 5.08
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Technical data

| | | | | |
|--|--|------------------------------|----------------------------|-------|
| Clampable conductor | Cross-section for conductor connection | Type | fine-wired | |
| | | nominal | 0.5 mm ² | |
| | wire end ferrule | Stripping length | nominal | 12 mm |
| | | Recommended wire-end ferrule | H0.5/16 OR | |
| | | Stripping length | nominal | 10 mm |
| | | Recommended wire-end ferrule | H0.5/10 | |
| | Cross-section for conductor connection | Type | fine-wired | |
| | | nominal | 0.75 mm ² | |
| | wire end ferrule | Stripping length | nominal | 12 mm |
| | | Recommended wire-end ferrule | H0.75/16 W | |
| | | Stripping length | nominal | 10 mm |
| | | Recommended wire-end ferrule | H0.75/10 | |
| | Cross-section for conductor connection | Type | fine-wired | |
| | | nominal | 1 mm ² | |
| | wire end ferrule | Stripping length | nominal | 12 mm |
| | | Recommended wire-end ferrule | H1.0/16D R | |
| | | Stripping length | nominal | 10 mm |
| | | Recommended wire-end ferrule | H1.0/10 | |
| | Cross-section for conductor connection | Type | fine-wired | |
| | | nominal | 1.5 mm ² | |
| wire end ferrule | Stripping length | nominal | 10 mm | |
| | Recommended wire-end ferrule | H1.5/10 | | |
| | Stripping length | nominal | 12 mm | |
| | Recommended wire-end ferrule | H1.5/16 R | | |
| Cross-section for conductor connection | Type | fine-wired | | |
| | nominal | 2.5 mm ² | | |
| wire end ferrule | Stripping length | nominal | 10 mm | |
| | Recommended wire-end ferrule | H2.5/10 | | |
| Reference text | The outside diameter of the plastic collar should not be larger than the pitch (P), Length of ferrules is to be chosen depending on the product and the rated voltage. | | | |
| Max. clamping range | 3.31 mm ² | | | |


Rated data acc. to IEC

| | | | |
|---|------------------------|---|-------------------|
| tested acc. to standard | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C) | 25.9 A |
| Rated current, max. number of poles (Tu=20°C) | 21.7 A | Rated current, min. number of poles (Tu=40°C) | 22.5 A |
| Rated current, max. number of poles (Tu=40°C) | 18.5 A | Rated voltage for surge voltage class / pollution degree II/2 | 400 V |
| Rated voltage for surge voltage class / pollution degree III/2 | 320 V | Rated voltage for surge voltage class / pollution degree III/3 | 250 V |
| Rated impulse voltage for surge voltage class/ pollution degree II/2 | 4 kV | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 4 kV |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 4 kV | Short-time withstand current resistance | 3 x 1s with 120 A |


**OMNIMATE Signal - series BL/SL 5.08
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Technical data**Rated data acc. to CSA**

| | | | |
|-----------------------------------|---|-----------------------------------|----------------|
| Institute (CSA) |  | Certificate No. (CSA) | 200039-1121690 |
| Rated voltage (Use group B / CSA) | 300 V | Rated voltage (Use group D / CSA) | 300 V |
| Rated current (Use group B / CSA) | 10 A | Rated current (Use group D / CSA) | 10 A |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

Rated data acc. to UL 1059

| | | | |
|---------------------------------------|---|---------------------------------------|--------|
| Institute (cURus) |  | Certificate No. (cURus) | E60693 |
| Rated voltage (Use group B / UL 1059) | 300 V | Rated voltage (Use group D / UL 1059) | 300 V |
| Rated current (Use group B / UL 1059) | 14 A | Rated current (Use group D / UL 1059) | 10 A |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

Packing

| | | | |
|-----------|--------|------------|--------|
| Packaging | Box | VPE length | 35 mm |
| VPE width | 135 mm | VPE height | 350 mm |

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC002638 | ETIM 7.0 | EC002638 |
| eClass 9.0 | 27-44-03-09 | eClass 9.1 | 27-44-03-09 |
| eClass 10.0 | 27-44-03-09 | | |

Notes

| | |
|----------------|---|
| Notes | <ul style="list-style-type: none"> • Additional colours on request • Gold-plated contact surfaces on request • Rated current related to rated cross-section & min. No. of poles. • Wire end ferrule without plastic collar to DIN 46228/1 • Wire end ferrule with plastic collar to DIN 46228/4 • P on drawing = pitch • Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool recommended. • The test point can only be used as potential-pickup point. |
| IPC conformity | Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request. |

Creation date May 3, 2020 3:34:28 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

Data sheet**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180B SN OR BX**

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Technical data**Approvals**

Approvals



ROHS

Conform

DownloadsApproval/Certificate/Document of
Conformity[Declaration of the Manufacturer](#)

Brochure/Catalogue

[FL DRIVES EN](#)
[MB DEVICE MANUF. EN](#)
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White paper PUSH IN wire connection

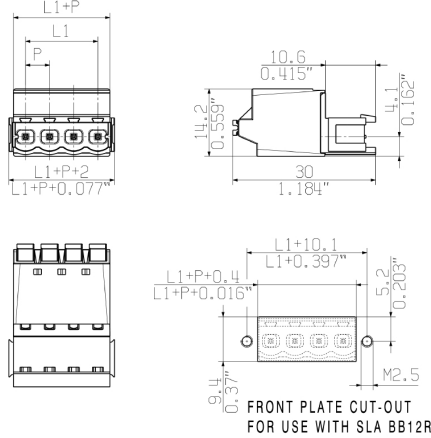
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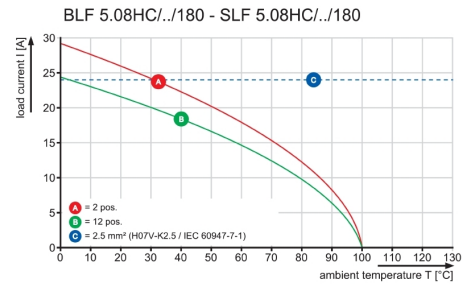
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Drawings

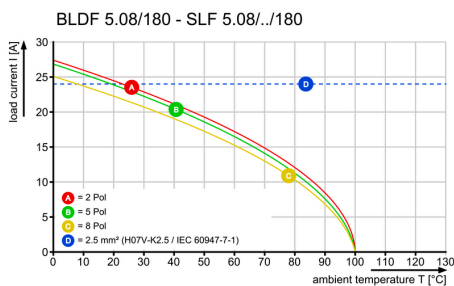
Dimensional drawing



Graph



Graph



Product benefits



Uncompromising functionality
High vibration resistance

Product benefits



Solid PUSH IN contact
Safe and durable

Product benefits



Lower assembly costs
Secure in a matter of seconds

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


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

General ordering data

| Type | BLZP 5.08HC/08/225 SN B ... | Version | Product data | Packaging |
|------------|-----------------------------|--|---|-----------|
| Order No. | 1946620000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 17.5 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248622399 | 225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 15 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |
| Type | BLZP 5.08HC/08/225 SN O ... | Version | Product data | Packaging |
| Order No. | 1946310000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 17.5 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248621880 | 225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 15 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |

BLZP 5.08HC/270 SN


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

General ordering data

| Type | BLZP 5.08HC/08/270 SN O ... | Version | Product data | Packaging |
|------------|-----------------------------|--|---|-----------|
| Order No. | 1948850000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 23 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248626304 | 270°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 20 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |
| Type | BLZP 5.08HC/08/270 SN B ... | Version | Product data | Packaging |
| Order No. | 1949080000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 23 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248626533 | 270°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 20 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180B SN OR BX**

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Mating connector (fully pluggable)
BLF 5.08HC/180DF SN


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

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

General ordering data

| Type | BLF 5.08HC/08/180DF SN ... | Version | Product data | Packaging |
|------------|----------------------------|---|---|-----------|
| Order No. | 1353300000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 24 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4050118155679 | 180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , UL: 300 V / 18.5 A / AWG 26 - AWG | | |
| Qty. | 24 pc(s). | Box | 12 | |

BLZP 5.08HC/180 SN


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

General ordering data

| Type | BLZP 5.08HC/08/180 SN B ... | Version | Product data | Packaging |
|------------|-----------------------------|--|---|-----------|
| Order No. | 1943870000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 23 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248617913 | 180°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 20 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |
| Type | BLZP 5.08HC/08/180 SN O ... | Version | Product data | Packaging |
| Order No. | 1943640000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 23 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248617647 | 180°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 20 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |

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Mating connector (fully pluggable)**BLF 5.08HC/180 SN**

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

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

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

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

General ordering data

| Type | BLF 5.08HC/08/180 SN OR ... | Version | Product data | Packaging |
|------------|-----------------------------|---|---|-----------|
| Order No. | 1013750000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 24 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4032248721863 | 180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , UL: 300 V / 18.5 A / AWG 26 - AWG | | |
| Qty. | 42 pc(s). | Box | 12 | |
| Type | BLF 5.08HC/08/180 SN BK ... | Version | Product data | Packaging |
| Order No. | 1013490000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 24 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4032248721641 | 180°, PUSH IN, Tension-clamp connection, Clamping range, max. : | UL: 300 V / 18.5 A / AWG 26 - AWG | |
| Qty. | 42 pc(s). | 3.31 mm ² , Box | 12 | |

BLZP 5.08HC/90 SN

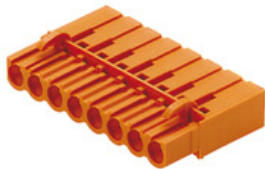
Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty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

General ordering data

| Type | BLZP 5.08HC/08/90 SN BK ... | Version | Product data | Packaging |
|------------|-----------------------------|---|---|-----------|
| Order No. | 1948300000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 23 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248624829 | 90°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 20 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |
| Type | BLZP 5.08HC/08/90 SN OR ... | Version | Product data | Packaging |
| Order No. | 1948060000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 23 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248624287 | 90°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 20 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |

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SLF 5.08/08/180B SN OR BX**

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Mating connector (fully pluggable)
BLC 5.08R


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

General ordering data

| Type | BLC 5.08/08/180R OR BX | Version | Product data | Packaging |
|------------|----------------------------|--|------------------------------------|-----------|
| Order No. | 1610550000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 21 A | Box |
| GTIN (EAN) | 4008190080563 | 180°, Crimp connection, Clamping range, max. : 2.5 mm ² , Box | UL: 300 V / 10 A / AWG 26 - AWG 14 | |
| Qty. | 50 pc(s). | | | |
| Type | BLC 5.08/08/180R BK BX | Version | Product data | Packaging |
| Order No. | 1712020000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 21 A | Box |
| GTIN (EAN) | 4008190935030 | 180°, Crimp connection, Clamping range, max. : 2.5 mm ² , Box | UL: 300 V / 10 A / AWG 26 - AWG 14 | |
| Qty. | 50 pc(s). | | | |

BLF 5.08HC/90 SN


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

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

General ordering data

| Type | BLF 5.08HC/08/90 SN BK ... | Version | Product data | Packaging |
|------------|----------------------------|--|---|-----------|
| Order No. | 1000090001 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 24 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4032248690022 | 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , | UL: 300 V / 18.5 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | Box | | |
| Type | BLF 5.08HC/08/90 SN OR ... | Version | Product data | Packaging |
| Order No. | 1001590000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 24 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4032248693399 | 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , | UL: 300 V / 18.5 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | Box | | |

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180B SN OR BX**

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Mating connector (fully pluggable)
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.

General ordering data

| Type | BLDT 5.08/08/- SN BK BX | Version | Product data | Packaging |
|------------|----------------------------|---|---|-----------|
| Order No. | 1660770000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 14 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4008190417222 | 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² , | UL: 300 V / 10 A / AWG 26 - AWG 12 | |
| Qty. | 35 pc(s). | Box | | |
| Type | BLDT 5.08/08/- SN OR BX | Version | Product data | Packaging |
| Order No. | 1644790000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 14 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4008190284008 | 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² , | UL: 300 V / 10 A / AWG 26 - AWG 12 | |
| Qty. | 35 pc(s). | Box | | |

BLF 5.08HC/270 SN


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

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

General ordering data

| Type | BLF 5.08HC/08/270 SN OR ... | Version | Product data | Packaging |
|------------|-----------------------------|---|---|-----------|
| Order No. | 1982760000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 24 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4032248686858 | 270°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , | UL: 300 V / 18.5 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | Box | | |
| Type | BLF 5.08HC/08/270 SN BK ... | Version | Product data | Packaging |
| Order No. | 1981990000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 24 A / 0.2 - 2.5 mm ² | Box |
| GTIN (EAN) | 4032248684687 | 270°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² , | UL: 300 V / 18.5 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | Box | | |

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180B SN OR BX**

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Klingenbergstraße 26
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Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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


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

General ordering data

| Type | BLZP 5.08HC/08/225B SN ... | Version | Product data | Packaging |
|------------|----------------------------|--|---|-----------|
| Order No. | 1945810000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 17.5 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248621286 | 225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 15 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |
| Type | BLZP 5.08HC/08/225B SN ... | Version | Product data | Packaging |
| Order No. | 1946040000 | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 17.5 A / 0.2 - 4 mm ² | Box |
| GTIN (EAN) | 4032248621576 | 225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box | UL: 300 V / 15 A / AWG 26 - AWG 12 | |
| Qty. | 42 pc(s). | | | |

BLL 5.08/180


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

General ordering data

| Type | BLL 5.08/08/180 3.2 SN ... | Version | Product data | Packaging |
|------------|----------------------------|---|-------------------|-----------|
| Order No. | 1630770000 | PCB plug-in connector, female header, closed side, THT solder | IEC: 400 V / 23 A | Box |
| GTIN (EAN) | 4008190204198 | connection, 5.08 mm, Number of poles: 8, 180°, Solder pin length (!): | UL: 300 V / 15 A | |
| Qty. | 42 pc(s). | 3.2 mm, tinned, orange, Box | | |

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Mating connector (fully pluggable)
BLL 5.08/90


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

General ordering data

| Type | Version | Product data | Packaging |
|--------------------------------------|--|---------------------------------------|-----------|
| BLL 5.08/08/90 3.2 SN O ... | PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, Number of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box | IEC: 400 V / 23 A UL: 300 V / 15 A | Box |
| Order No. 1623000000 | | | |
| GTIN (EAN) 4008190194055 | | | |
| Qty. 42 pc(s). | | | |
| Type | Version | Product data | Packaging |
| BLL 5.08/08/90 3.2 SN B ... | PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, Number of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box | IEC: 400 V / 23 A UL: 300 V / 15 A | Box |
| Order No. 1730190000 | | | |
| GTIN (EAN) 4050118007008 | | | |
| Qty. 42 pc(s). | | | |

BLDT 5.08B


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

General ordering data

| Type | Version | Product data | Packaging |
|--------------------------------------|---|---|-----------|
| BLDT 5.08/08/-B SN OR BX | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box | IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12 | Box |
| Order No. 1651800000 | | | |
| GTIN (EAN) 4008190400484 | | | |
| Qty. 35 pc(s). | | | |
| Type | Version | Product data | Packaging |
| BLDT 5.08/08/-B SN BK BX | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box | IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12 | Box |
| Order No. 1673840000 | | | |
| GTIN (EAN) 4008190435578 | | | |
| Qty. 50 pc(s). | | | |

**OMNIMATE Signal - series BL/SL 5.08
SLF 5.08/08/180B SN OR BX**

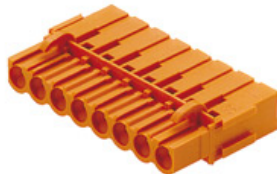
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www.weidmueller.com

Mating connector (fully pluggable)
BLDF 5.08/180 SN


The powerful daisy-chain solution for high-performance signal bus applications is also suitable for 400V auxiliary power chains with 18.5A current-carrying capacity. The large clamping capacity (up to 2.5mm² wire cross-sections) is particularly beneficial for long bus cables or high currents because of the low voltage drop. Four flange variations, including the patented release latch, allow for user-friendly unplugging designs.

General ordering data

| Type | Version | Product data | Packaging |
|--------------------------------------|--|---|-----------|
| BLDF 5.08/08/180 SN OR ... | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ² | Box |
| Order No. 1001210000 | 180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² , | UL: 300 V / 18.5 A / AWG 12 - AWG | |
| GTIN (EAN) 4032248817573 | | | |
| Qty. 28 pc(s). | Box | 26 | |
| Type | Version | Product data | Packaging |
| BLDF 5.08/08/180 SN BK ... | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ² | Box |
| Order No. 1000920000 | 180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² , | UL: 300 V / 18.5 A / AWG 12 - AWG | |
| GTIN (EAN) 4032248817092 | | | |
| Qty. 28 pc(s). | Box | 26 | |

BLC 5.08BR


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

General ordering data

| Type | Version | Product data | Packaging |
|--------------------------------------|---|------------------------------------|-----------|
| BLC 5.08/08/180BR OR BX | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 21 A | Box |
| Order No. 1649430000 | 180°, Crimp connection, Clamping range, max.: 2.5 mm ² , | UL: 300 V / 10 A / AWG 26 - AWG 14 | |
| GTIN (EAN) 4008190294540 | Box | | |
| Qty. 50 pc(s). | | | |
| Type | Version | Product data | Packaging |
| BLC 5.08/08/180BR BK BX | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 8, | IEC: 400 V / 21 A | Box |
| Order No. 1712170000 | 180°, Crimp connection, Clamping range, max.: 2.5 mm ² , | UL: 300 V / 10 A / AWG 26 - AWG 14 | |
| GTIN (EAN) 4008190935184 | Box | | |
| Qty. 50 pc(s). | | | |

**OMNIMATE Signal - series BL/SL 5.08
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Mating connector (fully pluggable)

BLL 5.08/180B



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

General ordering data

| Type | BLL 5.08/08/180B 3.2SN ... | Version | Product data | Packaging |
|------------|----------------------------|--|-------------------|-----------|
| Order No. | 1682790000 | PCB plug-in connector, female header, Dovetails for fixing blocks, THT | IEC: 400 V / 23 A | Box |
| GTIN (EAN) | 4008190474553 | solder connection, 5.08 mm, Number of poles: 8, 180°, Solder pin | UL: 300 V / 15 A | |
| Qty. | 42 pc(s). | length (l): 3.2 mm, tinned, orange, Box | | |

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Accessories

Strain reliefs



For frequent load changes: the "trailer coupling" for plug-in connectors.

The strain relief can do more than just relieve the strain on conductors:

Simply clip onto the plug and

- bundle conductors
- guide cables
- use as a connection and disconnection aid

No damage to the connecting points, clear, tidy wiring and easy to handle.

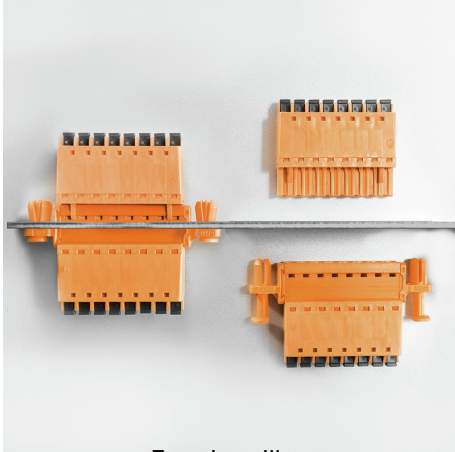
User advantages: permanent heavy-duty connections for harsh industrial environments and convenient operation ensure improved system availability.

General ordering data

| | | | |
|------------|----------------------------|--|--------------|
| Type | BLF/SLF 5.08 ZE06 OR | Version | Product data |
| Order No. | 2525780000 | PCB plug-in connector, Accessories, Strain relief, orange, Number of poles: 6 | |
| GTIN (EAN) | 4050118536881 | | |
| Qty. | 50 pc(s). | | |
| Type | BLF/SLF 5.08 ZE06 BK | Version | Product data |
| Order No. | 2525850000 | PCB plug-in connector, Accessories, Strain relief, black (similar to RAL 9005), Number of poles: 6 | |
| GTIN (EAN) | 4050118537116 | | |
| Qty. | 50 pc(s). | | |

Data sheet**OMNIMATE Signal - series BL/SL 5.08
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Drawings**Product benefits**

Easy handling
No implementation framework necessary