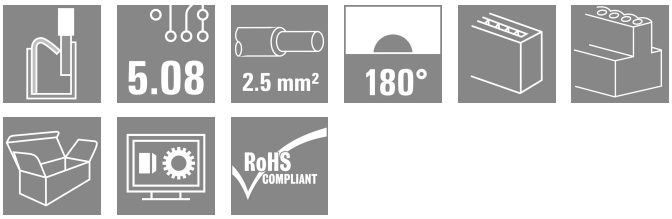
Data sheet

# BLDF 5.08/05/180 SN BK BX

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Product image




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

| | |
|---|---|
| Version | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 5, 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Order No. | 1000890000 |
| Type | BLDF 5.08/05/180 SN BK BX |
| GTIN (EAN) | 4032248817078 |
| Qty. | 48 items |
| Product data | IEC: 400 V / 20.8 A / 0.2 - 2.5 mm²<br>UL: 300 V / 18.5 A / AWG 12 - AWG 26 |
| Packaging | Box |

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## Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 28.3 mm | Depth (inches) | 1.1142 inch |
| Height | 24.7 mm | Height (inches) | 0.9724 inch |
| Width | 25.4 mm | Width (inches) | 1 inch |
| Net weight | 14.45 g | | |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

### System Parameters

| | | | |
|---|---|---|---|
| Product family | OMNIMATE Signal - series BL/SL 5.08 | Type of connection | Field connection |
| Wire connection method | PUSH IN with actuator | Pitch in mm (P) | 5.08 mm |
| Pitch in inches (P) | 0.200 " | Conductor outlet direction | 180° |
| Number of poles | 5 | L1 in mm | 20.32 mm |
| L1 in inches | 0.800 " | Number of rows | 1 |
| Pin series quantity | 1 | Rated cross-section | 2.5 mm² |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch | Touch-safe protection acc. to DIN VDE 0470 | IP20 plugged/ IP10 unplugged |
| Protection degree | IP20 | Volume resistance | ≤5 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. | 9.5 N |
| Pulling force/pole, max. | 7.5 N | | |

### Material data

| | | | |
|---|---|---|---|
| Insulating material | PBT | Colour | black |
| Colour chart (similar) | RAL 9011 | Insulating material group | IIIa |
| Comparative Tracking Index (CTI) | ≥ 200 | Moisture Level (MSL) | |
| UL 94 flammability rating | V-0 | Contact material | Cu-alloy |
| Contact surface | tinned | Layer structure of plug contact | 4...8 µm Sn hot-dip tinned |
| Storage temperature, min. | -40 °C | Storage temperature, max. | 70 °C |
| Operating temperature, min. | -50 °C | Operating temperature, max. | 100 °C |
| Temperature range, installation, min. | -30 °C | Temperature range, installation, max. | 100 °C |

### Conductors suitable for connection

| | |
|---|---|
| Clamping range, min. | 0.13 mm² |
| Clamping range, max. | 3.31 mm² |
| Wire connection cross section AWG, min. | AWG 26 |

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| | | | | |
|---|---|---|---|---|
| Wire connection cross section AWG, max. | AWG 12 | | | |
| Solid, min. H05(07) V-U | 0.2 mm² | | | |
| Solid, max. H05(07) V-U | 2.5 mm² | | | |
| Flexible, min. H05(07) V-K | 0.2 mm² | | | |
| Flexible, max. H05(07) V-K | 2.5 mm² | | | |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm² | | | |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm² | | | |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.25 mm² | | | |
| w. wire end ferrule, DIN 46228 pt 1, max. | 2.5 mm² | | | |
| Plug gauge in accordance with EN 60999 a x b; ø | 2.8 mm x 2.0 mm | | | |
| Clampable conductor | Cross-section for conductor connection | Type | fine-wired | |
| | | nominal | 0.5 mm² | |
| | 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 mm² | |
| | 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 mm² | |
| | 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 mm² | |
| | 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 mm² | |
| | wire end ferrule | Stripping length | nominal | 10 mm |
| | | Recommended wire-end ferrule | H2,5/10 | |
| | | Stripping length | nominal | 13 mm |
| | | Recommended wire-end ferrule | H2,5/16DS BL | |
| 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. | | | |

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## Technical data

### Rated data acc. to IEC

| | | | |
|---|---|---|---|
| tested acc. to standard | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C) | 20.8 A |
| Rated current, max. number of poles (Tu=20°C) | 17.4 A | Rated current, min. number of poles (Tu=40°C) | 17.9 A |
| Rated current, max. number of poles (Tu=40°C) | 14.9 A | Rated current cross-connector, min. number of poles (Ta=20°C) | 28.1 A |
| Rated current cross-connector, max. number of poles (Ta=20°C) | 23.3 A | Rated current cross-connector, min. number of poles (Ta=40°C) | 24.2 A |
| Rated current cross-connector, max. number of poles (Ta=40°C) | 19.9 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 |

### Rated data acc. to CSA

| | | | |
|---|---|---|---|
| Institute (CSA) | 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) | 18.5 A | Rated current (Use group D / CSA) | 10 A |
| Wire cross-section, AWG, min. | AWG 12 | Wire cross-section, AWG, max. | AWG 26 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

### Rated data acc. to UL 1059

| | | | |
|---|---|---|---|
| Institute (cURus) | 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) | 18.5 A | Rated current (Use group D / UL 1059) | 10 A |
| Wire cross-section, AWG, min. | AWG 12 | Wire cross-section, AWG, max. | AWG 26 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

### Packing

| | | | |
|---|---|---|---|
| Packaging | Box | VPE length | 352.00 mm |
| VPE width | 138.00 mm | VPE height | 39.00 mm |

### Cross-connector rated data according to DIN IEC

| | | | |
|---|---|---|---|
| Rated current cross-connector, max. number of poles (Ta=40°C) | 19.9 A | Rated current cross-connector, min. number of poles (Ta=20°C) | 28.1 A |
| Rated current cross-connector, min. number of poles (Ta=40°C) | 24.2 A | Rated current cross-connector, max. number of poles (Ta=20°C) | 23.3 A |

### Important note

| | |
|---|---|
| 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. |
| Notes | • Additional variants on request<br>• Gold-plated contact surfaces on request<br>• Rated current related to rated cross-section & min. No. of poles.<br>• Wire end ferrule without plastic collar to DIN 46228/1 |

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## Technical data

- 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.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC002638 | ETIM 9.0 | EC002638 |
| ETIM 10.0 | EC002638 | ECLASS 14.0 | 27-46-02-02 |
| ECLASS 15.0 | 27-46-02-02 | | |

# BLDF 5.08/05/180 SN BK BX

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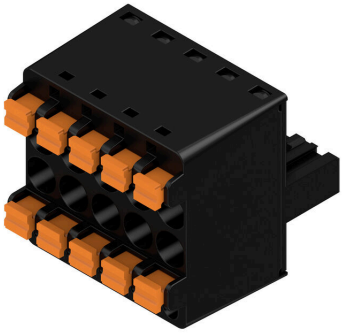
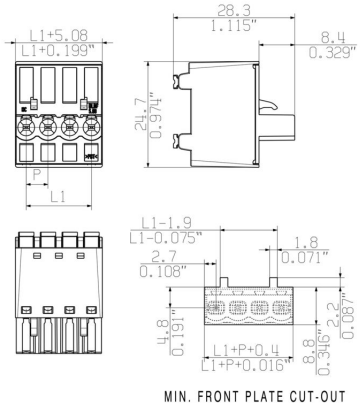
## Drawings

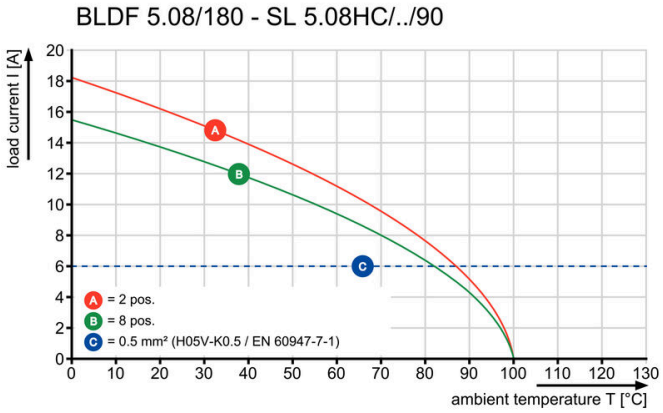
### Product image



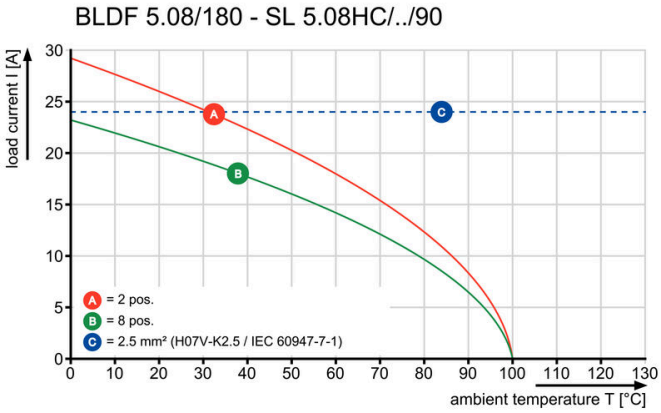
### Dimensional drawing



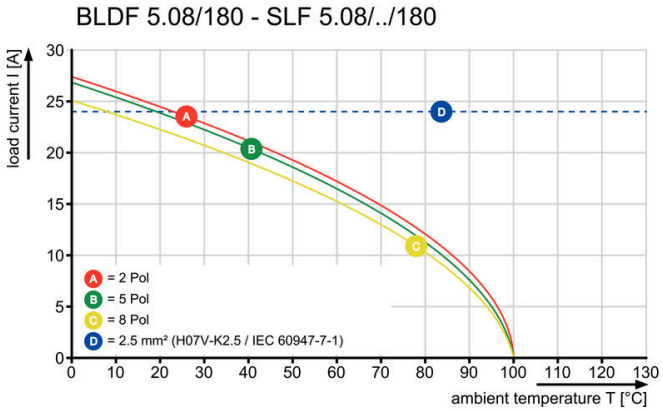

### Graph




### Graph




### Graph



Uncompromising functionalityHigh vibration resistance

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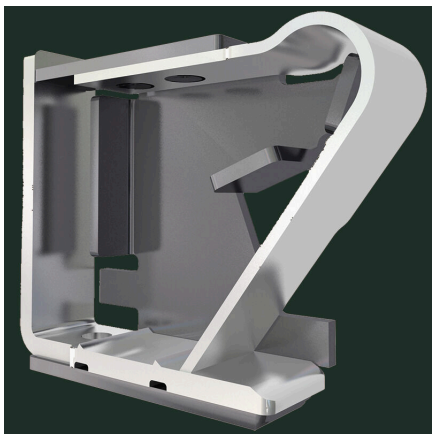
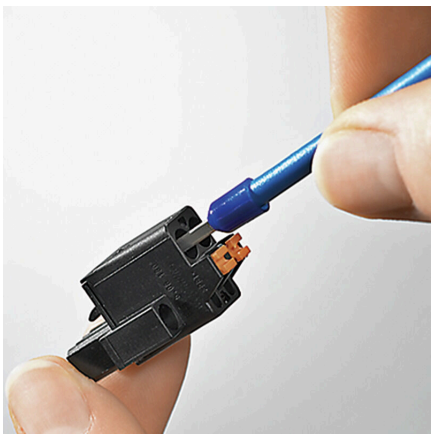
# Drawings

### Product benefits



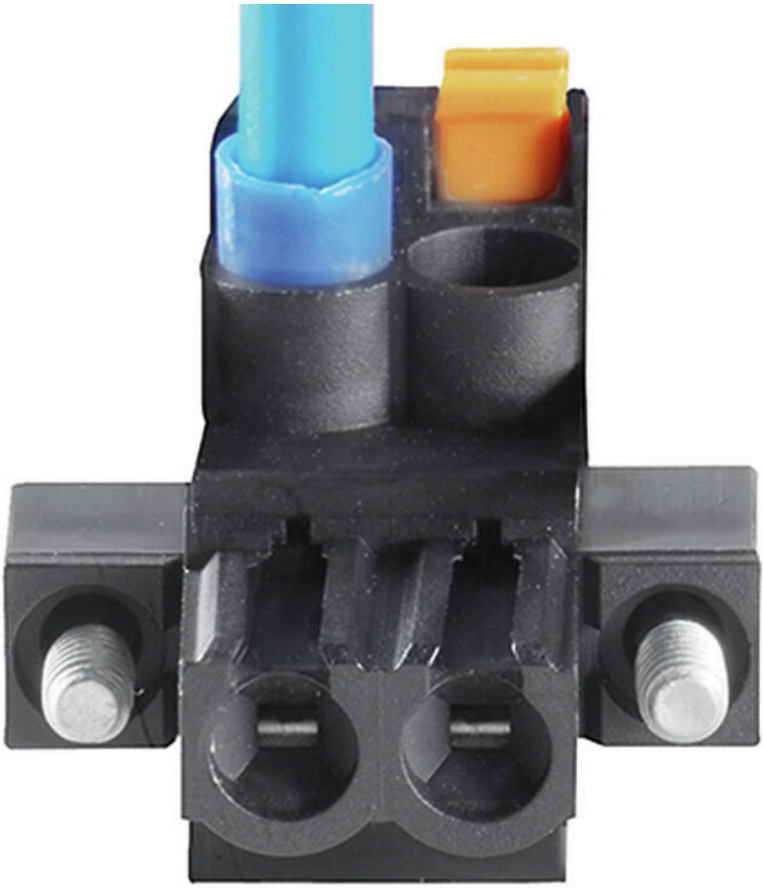
Solid PUSH IN contactSafe and durable

### Product benefits



Cost-effective wiringQuick and intuitive operation

### Product benefits



Wide clamping rangeTool-free wire connection

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## Accessories

### Coding elements

Only connects what is supposed to be connected: the right connection at the right place.
Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation
The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase.
The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.
Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible.
The advantage: no troubleshooting during manufacture and no operational errors by the user.

### General ordering data

| | | |
|---|---|---|
| Type | BLZ/SL KO BK BX | Version |
| Order No. | 1545710000 | PCB plug-in connector, Accessories, Coding element, black, Number |
| GTIN (EAN) | 4008190087142 | of poles: 1 |
| Qty. | 50 ST | |
| Type | BLZ/SL KO OR BX | Version |
| Order No. | 1573010000 | PCB plug-in connector, Accessories, Coding element, orange, Number |
| GTIN (EAN) | 4008190048396 | of poles: 1 |
| Qty. | 100 ST | |

### Slotted screwdriver

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1.
ChromTop tip, SoftFinish grip

### General ordering data

| | | |
|---|---|---|
| Type | SDS 0.6X3.5X100 | Version |
| Order No. | 9008330000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286 | |
| Qty. | 1 ST | |
| Type | SDS 0.6X3.5X200 | Version |
| Order No. | 9010110000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248300754 | |
| Qty. | 1 ST | |
| Type | SDIS 0.6X3.5X100 | Version |
| Order No. | 9008390000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056354 | |
| Qty. | 1 ST | |

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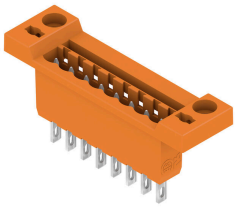
## Counterpart

### SLDF 5.08

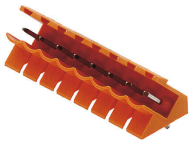


Male connector for through-panel mounting with optional locking function. Internal connection as flat-blade or solder connection. These male connectors provide space for labelling and can be coded.

#### General ordering data

| | | |
|---|---|---|
| Type | SLDF 5.08 L/F 5 SN BK BX | Version |
| Order No. | 1635770000 | PCB plug-in connector, male header, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4008190264208 | 180°, Flat-blade connection, Solder connection, Box |
| Qty. | 36 ST | |
| Type | SLDF 5.08 L/F 5 SN OR BX | Version |
| Order No. | 1599160000 | PCB plug-in connector, male header, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4008190079970 | 180°, Flat-blade connection, Solder connection, Box |
| Qty. | 36 ST | |

### SL 5.08/135



Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

#### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08/05/135 3.2SN OR... | Version |
| Order No. | 1603090000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4008190013912 | connection, 5.08 mm, Number of poles: 5, 135°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |

### SL 5.08/135B

Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

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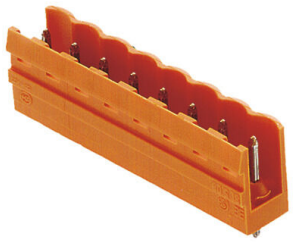
## Counterpart

### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08/05/135B 3.2SN O... | Version |
| Order No. | 1605560000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190089948 | solder connection, 5.08 mm, Number of poles: 5, 135°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, orange, Box |

### SL 5.08/180

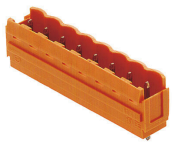


Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08/05/180 3.2SN OR... | Version |
| Order No. | 1517560000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4008190145170 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |

### SL 5.08/180B



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

### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08/05/180B 3.2SN O... | Version |
| Order No. | 1519860000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190014094 | solder connection, 5.08 mm, Number of poles: 5, 180°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, orange, Box |

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## Counterpart

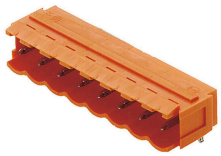
### SL 5.08/90

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.

#### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08/05/90 3.2SN OR ... | Version |
| Order No. | 1508360000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4008190131241 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |

### SL 5.08/90B

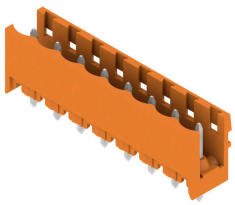


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

#### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08/05/90B 3.2SN BK... | Version |
| Order No. | 1510610000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190204051 | solder connection, 5.08 mm, Number of poles: 5, 90°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, black, Box |
| Type | SL 5.08/05/90B 3.2SN OR... | Version |
| Order No. | 1510660000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190121372 | solder connection, 5.08 mm, Number of poles: 5, 90°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, orange, Box |

### SL 5.08HC/180



Pin headers in glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

# BLDF 5.08/05/180 SN BK BX

**Weidmüller Interface GmbH & Co. KG**
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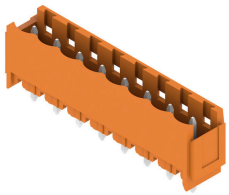
www.weidmueller.com

## Counterpart

### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08HC/05/180 3.2SN ... | Version |
| Order No. | 1148180000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4032248933587 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |
| Type | SL 5.08HC/05/180 3.2SN ... | Version |
| Order No. | 1146410000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4032248932566 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |

### SL 5.08HC/180B

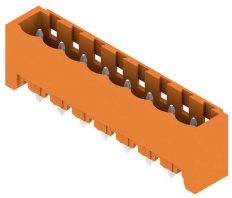


Pin headers in glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08HC/05/180B 3.2SN... | Version |
| Order No. | 1149500000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4032248934706 | solder connection, 5.08 mm, Number of poles: 5, 180°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, black, Box |
| Type | SL 5.08HC/05/180B 3.2SN... | Version |
| Order No. | 1147390000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4032248932740 | solder connection, 5.08 mm, Number of poles: 5, 180°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, orange, Box |

### SL 5.08HC/180G



Pin headers in glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08HC/05/180G 3.2SN... | Version |
| Order No. | 1148730000 | PCB plug-in connector, male header, closed side, THT solder |
| GTIN (EAN) | 4032248934850 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |
| Type | SL 5.08HC/05/180G 3.2SN... | Version |
| Order No. | 1146800000 | PCB plug-in connector, male header, closed side, THT solder |
| GTIN (EAN) | 4032248108657 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |

# BLDF 5.08/05/180 SN BK BX

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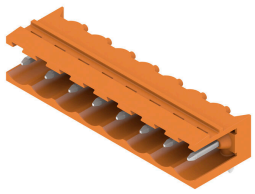
## Counterpart

### SL 5.08HC/90

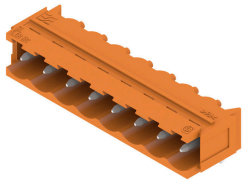


Pin headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08HC/05/90 3.2SN B... | Version |
| Order No. | 1155060000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4050118050783 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |
| Type | SL 5.08HC/05/90 3.2SN O... | Version |
| Order No. | 1146790000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4050118051476 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |

### SL 5.08HC/90B



Pin headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SL 5.08HC/05/90B 3.2SN ... | Version |
| Order No. | 1155610000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4050118050325 | solder connection, 5.08 mm, Number of poles: 5, 90°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, black, Box |
| Type | SL 5.08HC/05/90B 3.2SN ... | Version |
| Order No. | 1148130000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4050118051018 | solder connection, 5.08 mm, Number of poles: 5, 90°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, orange, Box |

# BLDF 5.08/05/180 SN BK BX

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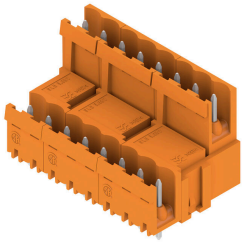
## Counterpart

### SLDV 5.08/180

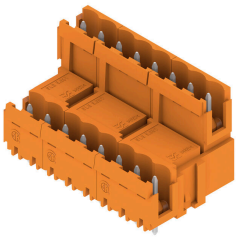


Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SLD 5.08V/10/180 3.2SN ... | Version |
| Order No. | 1725680000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4032248061976 | connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length |
| Qty. | 50 ST | (l): 3.2 mm, tinned, orange, Box |

### SLDV 5.08/180B

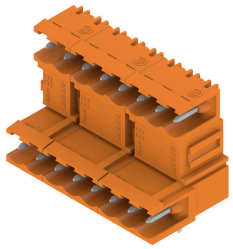


Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SLD 5.08V/10/180B 3.2SN... | Version |
| Order No. | 1726770000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4032248062652 | solder connection, 5.08 mm, Number of poles: 10, 180°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, orange, Box |

### SLDV 5.08/90



Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SLD 5.08V/10/90 3.2 SN ... | Version |
| Order No. | 1725200000 | PCB plug-in connector, male header, open side, THT solder |
| GTIN (EAN) | 4032248060603 | connection, 5.08 mm, Number of poles: 10, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, orange, Box |

# BLDF 5.08/05/180 SN BK BX

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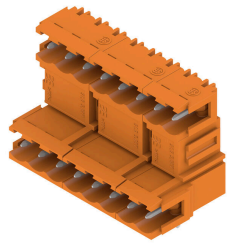
## Counterpart

### SLDV 5.08/90B

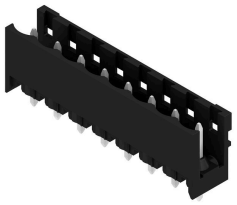


Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SLD 5.08V/10/90B 3.2 SN... | Version |
| Order No. | 1726310000 | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4032248061280 | solder connection, 5.08 mm, Number of poles: 10, 90°, Solder pin |
| Qty. | 50 ST | length (l): 3.2 mm, tinned, orange, Box |

### SL-SMT 5.08/180 Box

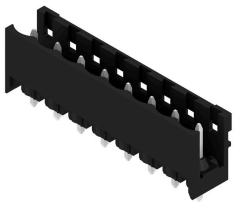


High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/180 1.... | Version |
| Order No. | 1775632001 | PCB plug-in connector, male header, open side, THT/THR solder |
| GTIN (EAN) | 4032248157570 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 1.5 mm, tinned, black, Box |
| Type | SL-SMT 5.08HC/05/180 3.... | Version |
| Order No. | 1838010000 | PCB plug-in connector, male header, open side, THT/THR solder |
| GTIN (EAN) | 4032248348077 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |

### SL-SMT 5.08/180 Tape



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

# BLDF 5.08/05/180 SN BK BX

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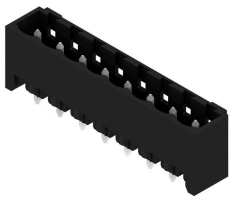
## Counterpart

### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/180 1.... | Version |
| Order No. | 1775634001 | PCB plug-in connector, male header, open side, THT/THR solder |
| GTIN (EAN) | 4032248159611 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 250 ST | 1.5 mm, tinned, black, Tape |

### SL-SMT 5.08/180G Box

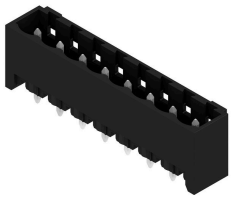


High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/180G 1... | Version |
| Order No. | 1775952001 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248158942 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 1.5 mm, tinned, black, Box |
| Type | SL-SMT 5.08HC/05/180G 3... | Version |
| Order No. | 1838240000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248348305 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |

### SL-SMT 5.08/180G Tape



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/180G 1... | Version |
| Order No. | 1775954001 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248160143 | connection, 5.08 mm, Number of poles: 5, 180°, Solder pin length (l): |
| Qty. | 250 ST | 1.5 mm, tinned, black, Tape |

# BLDF 5.08/05/180 SN BK BX

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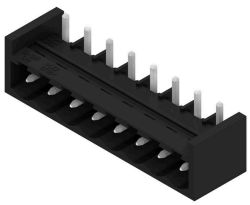
## Counterpart

### SL-SMT 5.08/270GH Box



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/270GH ... | Version |
| Order No. | 1877400000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248468034 | connection, 5.08 mm, Number of poles: 5, 270°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |

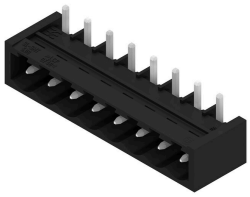
### SL-SMT 5.08/270GH Tape

High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/270GH ... | Version |
| Order No. | 1877620000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248468218 | connection, 5.08 mm, Number of poles: 5, 270°, Solder pin length (l): |
| Qty. | 225 ST | 1.5 mm, tinned, black, Tape |
| Type | SL-SMT 5.08HC/05/270GH ... | Version |
| Order No. | 1877840000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248468492 | connection, 5.08 mm, Number of poles: 5, 270°, Solder pin length (l): |
| Qty. | 225 ST | 3.2 mm, tinned, black, Tape |

### SL-SMT 5.08/270GL Box



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

# BLDF 5.08/05/180 SN BK BX

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## Counterpart

### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/270GL ... | Version |
| Order No. | 1877150000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248467600 | connection, 5.08 mm, Number of poles: 5, 270°, Solder pin length (l): |
| Qty. | 50 ST | 1.5 mm, tinned, black, Box |
| Type | SL-SMT 5.08HC/05/270GL ... | Version |
| Order No. | 1877520000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248468140 | connection, 5.08 mm, Number of poles: 5, 270°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |

### SL-SMT 5.08/270GL Tape

High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/270GL ... | Version |
| Order No. | 1877770000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248468423 | connection, 5.08 mm, Number of poles: 5, 270°, Solder pin length (l): |
| Qty. | 350 ST | 1.5 mm, tinned, black, Tape |

### SL-SMT 5.08HC/90 Box

High-temperature-resistant, 90° angled, open male header. Packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/90 1.5... | Version |
| Order No. | 1774792001 | PCB plug-in connector, male header, open side, THT/THR solder |
| GTIN (EAN) | 4032248155828 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 50 ST | 1.5 mm, tinned, black, Box |
| Type | SL-SMT 5.08HC/05/90 3.2... | Version |
| Order No. | 1779980000 | PCB plug-in connector, male header, open side, THT/THR solder |
| GTIN (EAN) | 4032248165308 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |

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## Counterpart

### SL-SMT 5.08HC/90 Tape

High-temperature-resistant, 90° angled, open male header. Packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/90 1.5... | Version |
| Order No. | 1774794001 | PCB plug-in connector, male header, open side, THT/THR solder |
| GTIN (EAN) | 4032248167685 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 350 ST | 1.5 mm, tinned, black, Tape |

### SL-SMT 5.08HC/90G Box

High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

#### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/90G 1.... | Version |
| Order No. | 1775032001 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248156092 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 50 ST | 1.5 mm, tinned, black, Box |
| Type | SL-SMT 5.08HC/05/90G 3.... | Version |
| Order No. | 1780210000 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248165537 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 50 ST | 3.2 mm, tinned, black, Box |

### SL-SMT 5.08HC/90G Tape

High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

# BLDF 5.08/05/180 SN BK BX

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

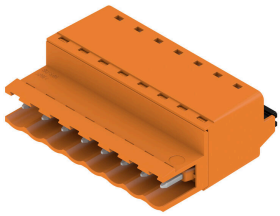
www.weidmueller.com

## Counterpart

### General ordering data

| | | |
|---|---|---|
| Type | SL-SMT 5.08HC/05/90G 1.... | Version |
| Order No. | 1775034001 | PCB plug-in connector, male header, closed side, THT/THR solder |
| GTIN (EAN) | 4032248167753 | connection, 5.08 mm, Number of poles: 5, 90°, Solder pin length (l): |
| Qty. | 350 ST | 1.5 mm, tinned, black, Tape |

### SLF 5.08/180 SN

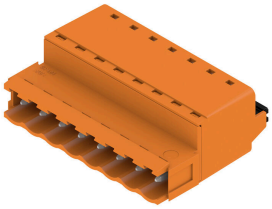


Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through The male plugs provide space for labelling and can be coded.

### General ordering data

| | | |
|---|---|---|
| Type | SLF 5.08/05/180 SN BK BX | Version |
| Order No. | 1335610000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4050118140149 | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty. | 72 ST | |
| Type | SLF 5.08/05/180 SN OR BX | Version |
| Order No. | 1335360000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4050118140576 | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty. | 72 ST | |

### SLF 5.08/180B SN



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 5.08/05/180B SN BK ... | Version |
| Order No. | 1335830000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4050118138870 | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty. | 66 ST | |
| Type | SLF 5.08/05/180B SN OR ... | Version |
| Order No. | 1335470000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4050118138931 | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty. | 66 ST | |

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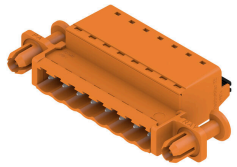
## Counterpart

### SLF 5.08/180DF SN

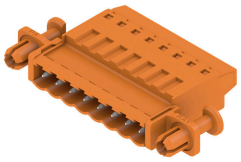


Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through The male plugs provide space for labelling and can be coded.

#### General ordering data

| | | |
|---|---|---|
| Type | SLF 5.08/05/180DF SN OR... | Version |
| Order No. | 1353620000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4050118156416 | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty. | 36 ST | |

### SLT 5.08/180DF SN

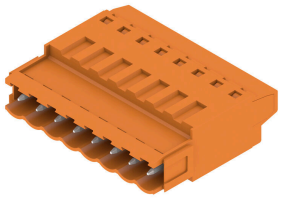


Male plugs with screw TOP wire connection. The male plug provides space for labelling and can be coded.

#### General ordering data

| | | |
|---|---|---|
| Type | SLT 5.08/05/180DF SN OR... | Version |
| Order No. | 1353390000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4050118156126 | 180°, TOP connection, Clamping range, max. : 2.5 mm², Box |
| Qty. | 36 ST | |

### SLT 5.08B



Male plugs with screw TOP wire connection. The male plug provides space for labelling and can be coded.

#### General ordering data

| | | |
|---|---|---|
| Type | SLT 5.08/05/180B SN OR ... | Version |
| Order No. | 1611740000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4008190192624 | 180°, TOP connection, Clamping range, max. : 2.5 mm², Box |
| Qty. | 50 ST | |

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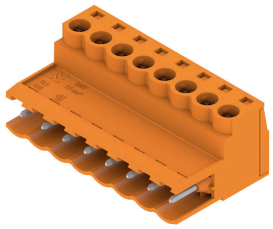
## Counterpart

### SLS 5.08/180 SN

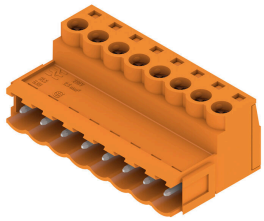


Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

#### General ordering data

| | | |
|---|---|---|
| Type | SLS 5.08/05/180 SN OR BX | Version |
| Order No. | 1627120000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4008190199630 | 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², |
| Qty. | 72 ST | Box |

### SLS 5.08/180B



Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

#### General ordering data

| | | |
|---|---|---|
| Type | SLS 5.08/05/180B SN OR ... | Version |
| Order No. | 1627270000 | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 5, |
| GTIN (EAN) | 4008190199784 | 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², |
| Qty. | 66 ST | Box |