

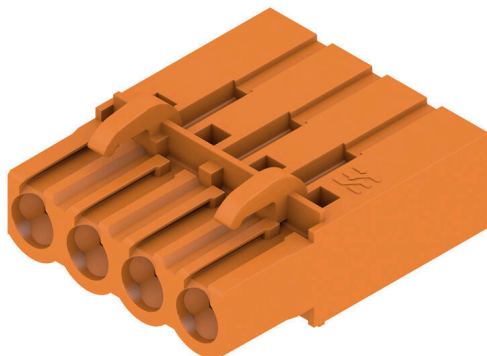
**BLC 5.08/04/180R OR BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

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

**General ordering data**

|              |  |
|--------------|--|
| Version      | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 4, 180°, Crimp connection, Clamping range, max. : 2.5 mm², Box |
| Order No.    | <a href="#">1610510000</a>   |
| Type         | BLC 5.08/04/180R OR BX   |
| GTIN (EAN)   | 4008190065102  |
| Qty.         | 100 items  |
| Product data | IEC: 400 V / 21 A<br>UL: 300 V / 10 A / AWG 26 - AWG 14  |
| Packaging    | Box  |

## BLC 5.08/04/180R OR BX

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 24.5 mm  | Depth (inches)  | 0.9646 inch |
| Height     | 10.1 mm  | Height (inches) | 0.3976 inch |
| Width      | 20.32 mm | Width (inches)  | 0.8 inch    |
| Net weight | 2.48 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                       | Crimp connection                    | Pitch in mm (P)                            | 5.08 mm                      |
| Pitch in inches (P)                          | 0.200 "                             | Conductor outlet direction                 | 180°                         |
| Number of poles                              | 4                                   | L1 in mm                                   | 15.24 mm                     |
| L1 in inches                                 | 0.600 "                             | Number of rows                             | 1                            |
| Pin series quantity                          | 1                                   | Rated cross-section                        | 2.5 mm <sup>2</sup>          |
| 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                           | 5 mm                         |
| Plugging cycles                              | 25                                  | Plugging force/pole, max.                  | 8.5 N                        |
| Pulling force/pole, max.                     | 6.5 N                               |  |                              |

## Material data

|                                       |                            |                                       |          |
|---------------------------------------|----------------------------|---------------------------------------|----------|
| Insulating material                   | PBT GF                     | Colour                                | orange   |
| Colour chart (similar)                | RAL 2000                   | Insulating material group             | IIla     |
| Comparative Tracking Index (CTI)      | ≥ 200                      | Moisture Level (MSL)                  |          |
| UL 94 flammability rating             | V-0                        | Contact material                      | Cu-alloy |
| 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. | -25 °C   |
| Temperature range, installation, max. | 100 °C                     |                                       |          |

## Conductors suitable for connection

|   |  |   |                     |
|---|--|---|---------------------|
| Clamping range, min.                    | 0.22 mm <sup>2</sup>   | Clamping range, max.                    | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min. | AWG 24   | Wire connection cross section AWG, max. | AWG 14              |
| Flexible, min. H05(07) V-K              | 0.5 mm <sup>2</sup>  | Flexible, max. H05(07) V-K              | 2.5 mm <sup>2</sup> |
| Reference text                          | The outside diameter of the plastic collar should not be larger than the pitch |   |                     |

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## Technical data

(P), Length of ferrules is to be chosen depending on the product and the rated voltage.

## Rated data acc. to IEC

|   |                        |   |                   |
|---|------------------------|---|-------------------|
| tested acc. to standard   | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C)                         | 21 A              |
| Rated current, max. number of poles (Tu=20°C)                             | 14.5 A                 | Rated current, min. number of poles (Tu=40°C)                         | 18 A              |
| Rated current, max. number of poles (Tu=40°C)                             | 12.5 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 |

## Rated data acc. to CSA

|                                   |  |                                   |           |
|-----------------------------------|--|-----------------------------------|-----------|
| Institute (CSA)                   | CSA  | Certificate No. (CSA)             | 12400-374 |
| 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 14    |
| Reference to approval values      | Specifications are maximum values, details - see approval certificate. |                                   |           |

## Rated data acc. to UL 1059

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

## Packing

|           |          |            |           |
|-----------|----------|------------|-----------|
| Packaging | Box      | VPE length | 138.00 mm |
| VPE width | 95.00 mm | VPE height | 78.00 mm  |

## Type tests

|                              |            |  |
|------------------------------|------------|--|
| Test: Durability of markings | Standard   | draft DIN VDE 0627 section 6.2.2 / 09.91, DIN IEC 512 part 7 section 5 / 05.94 |
|                              | Test       | durability   |
|                              | Evaluation | passed   |

## 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          | <ul style="list-style-type: none"> <li>• Additional variants on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Rated cross-section depends on crimp contact used.</li> </ul>  |  |  |

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Germany[www.weidmueller.com](http://www.weidmueller.com)**Technical data**

- 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.
- 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 |             |             |

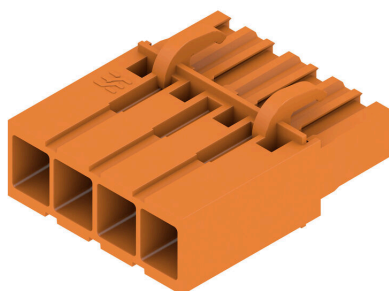
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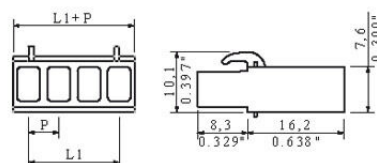
[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

### Product image



### Dimensional drawing



### Graph



## BLC 5.08/04/180R OR BX

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## Accessories

## Blocks for PCB mounting



Minor component, major effect:

Clip-on attachment elements increase the mechanical resilience of the whole plug connection by

- securing the male connectors to the circuit board
- providing a vibration-proof connection between the sockets and the male connectors

Clip-on or pre-assembled - always the right solution:

- Hard-wearing, precise fitting dovetail joint
- Hard-wearing metal threaded inserts
- Suitable for all outlet directions

Maximum stability, minimum effort:

- Extremely resilient for frequent fastening operations
- Complete set for easy selection

The result: soldering points, contacts and overall module are more resilient against mechanical stress such as vibrations and tensile loads.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SLA BB 12R SW              | Version  |
| Order No.  | <a href="#">1626880000</a> | PCB plug-in connector, Accessories, Mounting block, black, Number  |
| GTIN (EAN) | 4008190198213              | of poles: 0  |
| Qty.       | 100 ST                     |  |
| Type       | SLA BB 12R OR              | Version  |
| Order No.  | <a href="#">1593450000</a> | PCB plug-in connector, Accessories, Mounting block, orange, Number |
| GTIN (EAN) | 4008190122164              | of poles: 0  |
| Qty.       | 100 ST                     |  |
| Type       | SLA BB 11R SW              | Version  |
| Order No.  | <a href="#">1692340000</a> | PCB plug-in connector, Accessories, Mounting block, black, Number  |
| GTIN (EAN) | 4008190864965              | of poles: 0  |
| Qty.       | 20 ST                      |  |
| Type       | SLA BB 11R OR              | Version  |
| Order No.  | <a href="#">1604120000</a> | PCB plug-in connector, Accessories, Mounting block, orange, Number |
| GTIN (EAN) | 4008190182977              | of poles: 0  |
| Qty.       | 20 ST                      |  |

## 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.

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## Accessories

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | BLZ/SL KO BK BX            | Version  |
| Order No.  | <a href="#">1545710000</a> | 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.  | <a href="#">1573010000</a> | PCB plug-in connector, Accessories, Coding element, orange, Number |
| GTIN (EAN) | 4008190048396              | of poles: 1  |
| Qty.       | 100 ST                     |  |

## Crimp contacts



## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | DFFC 0.22-0.35 SN 3000     | Version  |
| Order No.  | <a href="#">1604230000</a> | PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping |
| GTIN (EAN) | 4008190117498              | range : 0.35 mm <sup>2</sup>   |
| Qty.       | 3000 ST                    |  |
| Type       | DFFC 0.22-0.35 SN E        | Version  |
| Order No.  | <a href="#">1604250000</a> | PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping |
| GTIN (EAN) | 4008190042905              | range : 0.35 mm <sup>2</sup>   |
| Qty.       | 250 ST                     |  |
| Type       | DFFC 0.5-1.0 SN 3000       | Version  |
| Order No.  | <a href="#">1480000000</a> | PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping |
| GTIN (EAN) | 4008190179175              | range : 1 mm <sup>2</sup>  |
| Qty.       | 3000 ST                    |  |
| Type       | DFFC 0.5-1.0 SN E          | Version  |
| Order No.  | <a href="#">1567060000</a> | PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping |
| GTIN (EAN) | 4008190166991              | range : 1 mm <sup>2</sup>  |
| Qty.       | 250 ST                     |  |
| Type       | DFFC 1.5-2.5 SN 2500       | Version  |
| Order No.  | <a href="#">1480100000</a> | PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping |
| GTIN (EAN) | 4008190100414              | range : 2.5 mm <sup>2</sup>  |
| Qty.       | 2500 ST                    |  |
| Type       | DFFC 1.5-2.5 SN E          | Version  |
| Order No.  | <a href="#">1567070000</a> | PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping |
| GTIN (EAN) | 4008190059071              | range : 2.5 mm <sup>2</sup>  |
| Qty.       | 250 ST                     |  |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****... for Weidmüller DFF and ZRV contacts**

Crimping tools for for turned/stamped contact

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

**General ordering data**

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | HTF DFF                    | Version   |  |
| Order No.  | <a href="#">9014140000</a> | Pressing tool, Crimping tool for contacts, 0.22mm <sup>2</sup> , 2.5mm <sup>2</sup> , B-Crimp |  |
| GTIN (EAN) | 4008190297305              |   |  |
| 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 4 SN BK BX   | Version  |
| Order No.  | <a href="#">1635760000</a> | PCB plug-in connector, male header, 5.08 mm, Number of poles: 4, |
| GTIN (EAN) | 4008190264192              | 180°, Flat-blade connection, Solder connection, Box              |
| Qty.       | 42 ST                      |  |
| Type       | SLDF 5.08 L/F 4 SN OR BX   | Version  |
| Order No.  | <a href="#">1599150000</a> | PCB plug-in connector, male header, 5.08 mm, Number of poles: 4, |
| GTIN (EAN) | 4008190133627              | 180°, Flat-blade connection, Solder connection, Box              |
| Qty.       | 42 ST                      |  |

## SL 5.08/135

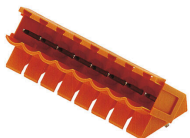


Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SL 5.08/04/135 3.2SN OR... | Version   |
| Order No.  | <a href="#">1603080000</a> | PCB plug-in connector, male header, open side, THT solder             |
| GTIN (EAN) | 4008190164997              | connection, 5.08 mm, Number of poles: 4, 135°, Solder pin length (l): |
| Qty.       | 100 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.

## BLC 5.08/04/180R OR BX

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 Germany

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## Counterpart

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SL 5.08/04/135B 3.2SN O... | Version  |
| Order No.  | <a href="#">1605550000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190051693              | solder connection, 5.08 mm, Number of poles: 4, 135°, Solder pin     |
| Qty.       | 100 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 5.08/04/180 3.2SN OR... | Version   |
| Order No.  | <a href="#">1517460000</a> | PCB plug-in connector, male header, open side, THT solder             |
| GTIN (EAN) | 4008190042011              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 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 5.08/04/180B 3.2SN O... | Version  |
| Order No.  | <a href="#">1519760000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190098483              | solder connection, 5.08 mm, Number of poles: 4, 180°, Solder pin     |
| Qty.       | 100 ST                     | length (l): 3.2 mm, tinned, orange, Box                              |

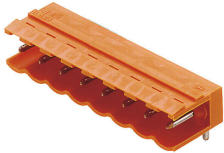
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 D-32758 Detmold  
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## Counterpart

## SL 5.08/90

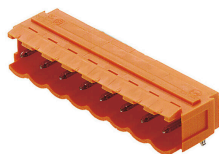


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

## General ordering data

| Type       | SL 5.08/04/90 3.2SN OR ... | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1508260000</a> | PCB plug-in connector, male header, open side, THT solder            |
| GTIN (EAN) | 4008190021207              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, orange, Box  |

## SL 5.08/90B

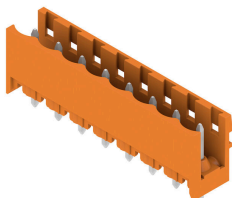


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

## General ordering data

| Type       | SL 5.08/04/90B 3.2SN OR... | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1510560000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190046842              | solder connection, 5.08 mm, Number of poles: 4, 90°, Solder pin      |
| Qty.       | 100 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.

## General ordering data

| Type       | SL 5.08HC/04/180 3.2SN ... | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1148140000</a> | PCB plug-in connector, male header, open side, THT solder             |
| GTIN (EAN) | 4032248934478              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, black, Box  |

## BLC 5.08/04/180R OR BX

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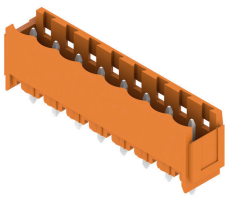
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## Counterpart

|            |                            |   |
|------------|----------------------------|---|
| Type       | SL 5.08HC/04/180 3.2SN ... | Version   |
| Order No.  | <a href="#">1146380000</a> | PCB plug-in connector, male header, open side, THT solder             |
| GTIN (EAN) | 4032248933327              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, orange, Box   |

## SL 5.08HC/180B

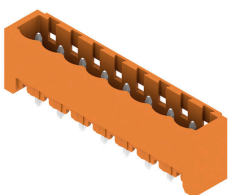


Pin headers in glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is 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/04/180B 3.2SN... | Version  |
| Order No.  | <a href="#">1149470000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4032248935383              | solder connection, 5.08 mm, Number of poles: 4, 180°, Solder pin     |
| Qty.       | 100 ST                     | length (l): 3.2 mm, tinned, black, Box                               |
| Type       | SL 5.08HC/04/180B 3.2SN... | Version  |
| Order No.  | <a href="#">1147360000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4032248934058              | solder connection, 5.08 mm, Number of poles: 4, 180°, Solder pin     |
| Qty.       | 100 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/04/180G 3.2SN... | Version   |
| Order No.  | <a href="#">1148700000</a> | PCB plug-in connector, male header, closed side, THT solder           |
| GTIN (EAN) | 4032248934188              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, black, Box  |
| Type       | SL 5.08HC/04/180G 3.2SN... | Version   |
| Order No.  | <a href="#">1146780000</a> | PCB plug-in connector, male header, closed side, THT solder           |
| GTIN (EAN) | 4032248108664              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, orange, Box   |

## BLC 5.08/04/180R OR BX

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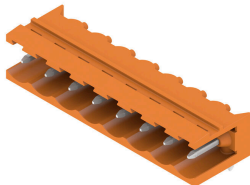
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## Counterpart

## SL 5.08HC/90

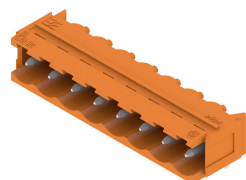


Pin headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is 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/04/90 3.2SN B... | Version  |
| Order No.  | <a href="#">1155050000</a> | PCB plug-in connector, male header, open side, THT solder            |
| GTIN (EAN) | 4050118050790              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, black, Box   |
| Type       | SL 5.08HC/04/90 3.2SN O... | Version  |
| Order No.  | <a href="#">1146770000</a> | PCB plug-in connector, male header, open side, THT solder            |
| GTIN (EAN) | 4050118051483              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 100 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/04/90B 3.2SN ... | Version  |
| Order No.  | <a href="#">1155600000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4050118050332              | solder connection, 5.08 mm, Number of poles: 4, 90°, Solder pin      |
| Qty.       | 100 ST                     | length (l): 3.2 mm, tinned, black, Box                               |
| Type       | SL 5.08HC/04/90B 3.2SN ... | Version  |
| Order No.  | <a href="#">1148100000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4050118051025              | solder connection, 5.08 mm, Number of poles: 4, 90°, Solder pin      |
| Qty.       | 100 ST                     | length (l): 3.2 mm, tinned, orange, Box                              |

## BLC 5.08/04/180R OR BX

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## Counterpart

## SLDV 5.08/180

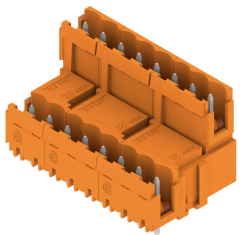


Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SLD 5.08V/08/180 3.2SN ... | Version   |
| Order No.  | <a href="#">1725670000</a> | PCB plug-in connector, male header, open side, THT solder             |
| GTIN (EAN) | 4032248061969              | connection, 5.08 mm, Number of poles: 8, 180°, Solder pin length (l): |
| Qty.       | 50 ST                      | 3.2 mm, tinned, orange, Box   |

## SLDV 5.08/180B

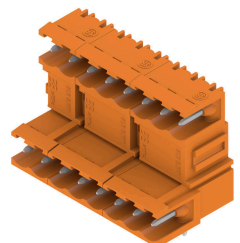


Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SLD 5.08V/08/180B 3.2SN... | Version  |
| Order No.  | <a href="#">1726760000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4032248062645              | solder connection, 5.08 mm, Number of poles: 8, 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/08/90 3.2 SN ... | Version  |
| Order No.  | <a href="#">1725190000</a> | PCB plug-in connector, male header, open side, THT solder            |
| GTIN (EAN) | 4032248060597              | connection, 5.08 mm, Number of poles: 8, 90°, Solder pin length (l): |
| Qty.       | 50 ST                      | 3.2 mm, tinned, orange, Box  |

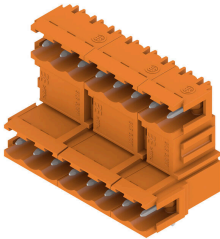
## BLC 5.08/04/180R OR BX

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## Counterpart

## SLDV 5.08/90B

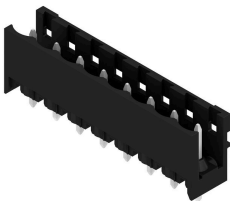


Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SLD 5.08V/08/90B 3.2 SN... | Version  |
| Order No.  | <a href="#">1726300000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4032248061273              | solder connection, 5.08 mm, Number of poles: 8, 90°, Solder pin      |
| Qty.       | 50 ST                      | length (l): 3.2 mm, tinned, orange, Box                              |

## SL-SMT 5.08/180 Box

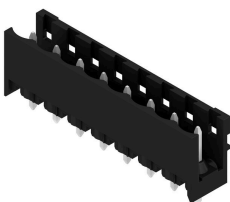


High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SL-SMT 5.08HC/04/180 1.... | Version   |
| Order No.  | <a href="#">1775592001</a> | PCB plug-in connector, male header, open side, THT/THR solder         |
| GTIN (EAN) | 4032248157563              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 ST                     | 1.5 mm, tinned, black, Box  |
| Type       | SL-SMT 5.08HC/04/180 3.... | Version   |
| Order No.  | <a href="#">1838000000</a> | PCB plug-in connector, male header, open side, THT/THR solder         |
| GTIN (EAN) | 4032248348060              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 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.

## BLC 5.08/04/180R OR BX

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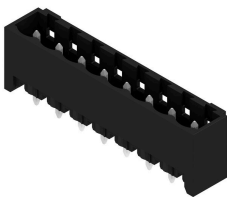
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## Counterpart

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SL-SMT 5.08HC/04/180 1.... | Version   |
| Order No.  | <a href="#">1775594001</a> | PCB plug-in connector, male header, open side, THT/THR solder         |
| GTIN (EAN) | 4032248158905              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 250 ST                     | 1.5 mm, tinned, black, Tape   |

## SL-SMT 5.08/180G Box

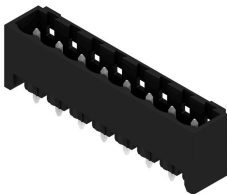


High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SL-SMT 5.08HC/04/180G 1... | Version   |
| Order No.  | <a href="#">1775942001</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248158935              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 ST                     | 1.5 mm, tinned, black, Box  |
| Type       | SL-SMT 5.08HC/04/180G 3... | Version   |
| Order No.  | <a href="#">1838230000</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248348299              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 100 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

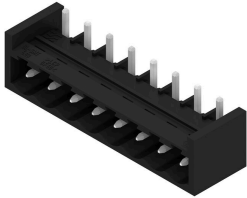
|            |                            |   |
|------------|----------------------------|---|
| Type       | SL-SMT 5.08HC/04/180G 1... | Version   |
| Order No.  | <a href="#">1775944001</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248160129              | connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): |
| Qty.       | 250 ST                     | 1.5 mm, tinned, black, Tape   |



**BLC 5.08/04/180R OR 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/04/270GH ... | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1877390000</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248468027              | connection, 5.08 mm, Number of poles: 4, 270°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, black, Box  |

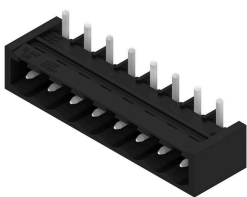
**SL-SMT 5.08/270GH Tape**

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/04/270GH ... | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1877610000</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248468201              | connection, 5.08 mm, Number of poles: 4, 270°, Solder pin length (l): |
| Qty.       | 335 ST                     | 1.5 mm, tinned, black, Tape   |

| Type       | SL-SMT 5.08HC/04/270GH ... | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1877830000</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248468485              | connection, 5.08 mm, Number of poles: 4, 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.

## BLC 5.08/04/180R OR BX

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## Counterpart

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SL-SMT 5.08HC/04/270GL ... | Version   |
| Order No.  | <a href="#">1877140000</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248467594              | connection, 5.08 mm, Number of poles: 4, 270°, Solder pin length (l): |
| Qty.       | 100 ST                     | 1.5 mm, tinned, black, Box  |
| Type       | SL-SMT 5.08HC/04/270GL ... | Version   |
| Order No.  | <a href="#">1877510000</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248468133              | connection, 5.08 mm, Number of poles: 4, 270°, Solder pin length (l): |
| Qty.       | 100 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/04/270GL ... | Version   |
| Order No.  | <a href="#">1877760000</a> | PCB plug-in connector, male header, closed side, THT/THR solder       |
| GTIN (EAN) | 4032248468416              | connection, 5.08 mm, Number of poles: 4, 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/04/90 1.5... | Version  |
| Order No.  | <a href="#">1774782001</a> | PCB plug-in connector, male header, open side, THT/THR solder        |
| GTIN (EAN) | 4032248155811              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 100 ST                     | 1.5 mm, tinned, black, Box   |
| Type       | SL-SMT 5.08HC/04/90 3.2... | Version  |
| Order No.  | <a href="#">1779970000</a> | PCB plug-in connector, male header, open side, THT/THR solder        |
| GTIN (EAN) | 4032248165292              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, black, Box   |

## BLC 5.08/04/180R OR BX

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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/04/90 1.5... | Version  |
| Order No.  | <a href="#">1774784001</a> | PCB plug-in connector, male header, open side, THT/THR solder        |
| GTIN (EAN) | 4032248167678              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 350 ST                     | 1.5 mm, tinned, black, Tape  |
| Type       | SL-SMT 5.08HC/04/90 2.1... | Version  |
| Order No.  | <a href="#">1410050000</a> | PCB plug-in connector, male header, open side, THT/THR solder        |
| GTIN (EAN) | 4050118210965              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 350 ST                     | 2.1 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/04/90G 1.... | Version  |
| Order No.  | <a href="#">1775022001</a> | PCB plug-in connector, male header, closed side, THT/THR solder      |
| GTIN (EAN) | 4032248156085              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 100 ST                     | 1.5 mm, tinned, black, Box   |
| Type       | SL-SMT 5.08HC/04/90G 3.... | Version  |
| Order No.  | <a href="#">1780200000</a> | PCB plug-in connector, male header, closed side, THT/THR solder      |
| GTIN (EAN) | 4032248165520              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 100 ST                     | 3.2 mm, tinned, black, Box   |

## BLC 5.08/04/180R OR BX

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## Counterpart

## SL-SMT 5.08HC/90G Tape

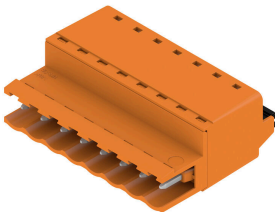


High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

## General ordering data

| Type       | SL-SMT 5.08HC/04/90G 1.... | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1775024001</a> | PCB plug-in connector, male header, closed side, THT/THR solder      |
| GTIN (EAN) | 4032248167746              | connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): |
| Qty.       | 350 ST                     | 1.5 mm, tinned, black, Tape  |

## SLF 5.08/180 SN

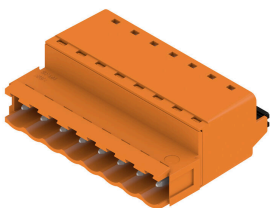


Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through. The male plugs provide space for labelling and can be coded.

## General ordering data

| Type       | SLF 5.08/04/180 SN BK BX   | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1335580000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,    |
| GTIN (EAN) | 4050118138481              | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty.       | 90 ST                      |   |
| Type       | SLF 5.08/04/180 SN OR BX   | Version   |
| Order No.  | <a href="#">1335350000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,    |
| GTIN (EAN) | 4050118138856              | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty.       | 90 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.

## BLC 5.08/04/180R OR BX

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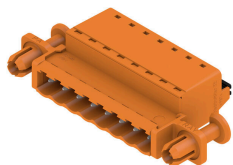
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## Counterpart

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SLF 5.08/04/180B SN BK ... | Version   |
| Order No.  | <a href="#">1335810000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,    |
| GTIN (EAN) | 4050118139082              | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty.       | 78 ST                      |   |
| Type       | SLF 5.08/04/180B SN OR ... | Version   |
| Order No.  | <a href="#">1335460000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,    |
| GTIN (EAN) | 4050118138849              | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty.       | 78 ST                      |   |

## SLF 5.08/180DF SN

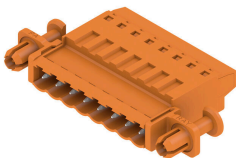


Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through. The male plugs provide space for labelling and can be coded.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | SLF 5.08/04/180DF SN OR... | Version   |
| Order No.  | <a href="#">1353600000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,    |
| GTIN (EAN) | 4050118156348              | 180°, PUSH IN with actuator, Clamping range, max. : 3.31 mm², Box |
| Qty.       | 42 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 5.08/04/180DF SN OR... | Version  |
| Order No.  | <a href="#">1353380000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4, |
| GTIN (EAN) | 4050118156140              | 180°, TOP connection, Clamping range, max. : 2.5 mm², Box      |
| Qty.       | 42 ST                      |  |

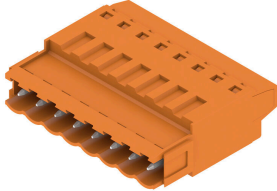
## BLC 5.08/04/180R OR BX

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

www.weidmueller.com

## Counterpart

## SLT 5.08B

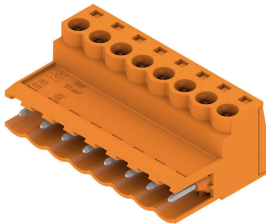


Male plugs with screw TOP wire connection. The male plug provides space for labelling and can be coded.

## General ordering data

| Type       | SLT 5.08/04/180B SN OR ... | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">1611730000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,        |
| GTIN (EAN) | 4008190192617              | 180°, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Box |
| Qty.       | 100 ST                     |   |

## SLS 5.08/180 SN

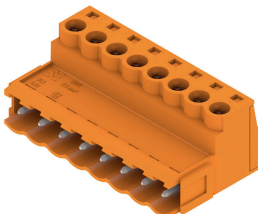


Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

## General ordering data

| Type       | SLS 5.08/04/180 SN OR BX   | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1627110000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,               |
| GTIN (EAN) | 4008190199623              | 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , |
| Qty.       | 90 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 5.08/04/180B SN OR ... | Version  |
|------------|----------------------------|--|
| Order No.  | <a href="#">1627260000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,               |
| GTIN (EAN) | 4008190199777              | 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm <sup>2</sup> , |
| Qty.       | 84 ST                      | Box  |

## BLC 5.08/04/180R OR BX

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 D-32758 Detmold  
 Germany

www.weidmueller.com

## Counterpart

## SLS 5.08TB KF35



Male plugs with clamping-yoke screw wire-connect system. With clip-on feet for attaching the male plugs on rail. The male plugs provide space for labelling and can be coded.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SLS 5.08/04/180TB KF SN... | Version  |
| Order No.  | <a href="#">1846130000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,   |
| GTIN (EAN) | 4032248362417              | 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², |
| Qty.       | 20 ST                      | Box  |

## SLS 5.08TB RF15



Male plugs with clamping-yoke screw wire-connect system. With clip-on feet for attaching the male plugs on rail. The male plugs provide space for labelling and can be coded.

## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SLS 5.08/04/180TB RF15 ... | Version  |
| Order No.  | <a href="#">1846050000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 4,   |
| GTIN (EAN) | 4032248362332              | 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², |
| Qty.       | 20 ST                      | Box  |