

**OMNIMATE Signal - series BL/SL 5.08  
SLF 5.08/02/180 SN OR BX**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

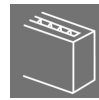
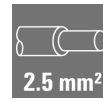
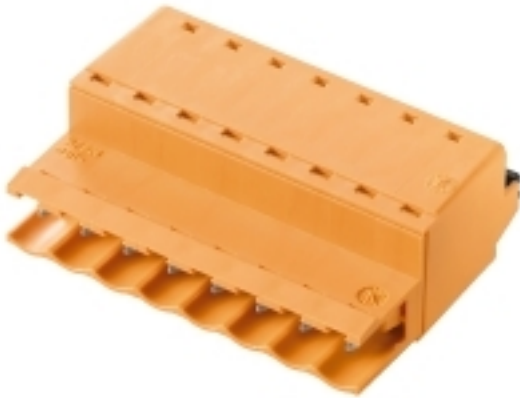
D-32758 Detmold

Germany

Fon: +49 5231 14-0

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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 5.08/02/180 SN OR BX                                                                                       |
| Order No.    | <a href="#">1335330000</a>                                                                                     |
| Version      | PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, max.: 3.31 mm², Box |
| GTIN (EAN)   | 4050118138559                                                                                                  |
| Qty.         | 180 pc(s).                                                                                                     |
| Product data | IEC: 400 V / 25.9 A / 0.2 - 2.5 mm²<br>UL: 300 V / 14 A / AWG 26 - AWG 12                                      |
| Packaging    | Box                                                                                                            |

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### Technical data

#### Dimensions and weights

|            |         |
|------------|---------|
| Net weight | 3.643 g |
|------------|---------|

#### System parameters

|                                              |                                                  |                            |                     |
|----------------------------------------------|--------------------------------------------------|----------------------------|---------------------|
| Product family                               | OMNIMATE Signal - series BL/SL 5.08              | Wire connection method     | PUSH IN             |
| Pitch in mm (P)                              | 5.08 mm                                          | Pitch in inches (P)        | 0.2 inch            |
| Conductor outlet direction                   | 180°                                             | No. of poles               | 2                   |
| L1 in mm                                     | 5.08 mm                                          | L1 in inches               | 0.2 inch            |
| Pin series quantity                          | 1                                                | Rated cross-section        | 2.5 mm <sup>2</sup> |
| Touch-safe protection acc. to DIN VDE 57 106 | Finger-safe plugged/ back-of-hand-safe unplugged | Volume resistance          | 4.50 mΩ             |
| Can be coded                                 | Yes                                              | Stripping length           | 10 mm               |
| Screwdriver blade                            | 0.6 x 3.5                                        | Screwdriver blade standard | DIN 5264            |
| Plugging cycles                              | 25                                               | Packaging                  | Box                 |

#### Material data

|                                       |          |                                       |                          |
|---------------------------------------|----------|---------------------------------------|--------------------------|
| Insulating material                   | PBT      | Colour                                | Orange                   |
| Colour chart (similar)                | RAL 2000 | Insulation resistance                 | ≥ 10 <sup>8</sup> Ω      |
| UL 94 flammability rating             | V-0      | Contact material                      | CuSn                     |
| Contact surface                       | tinned   | Layer structure of plug contact       | 4-8 μm Sn hot-dip tinned |
| Storage temperature, min.             | -25 °C   | Storage temperature, max.             | 55 °C                    |
| Max. relative humidity during storage | 80 %     | Operating temperature, min.           | -50 °C                   |
| Operating temperature, max.           | 100 °C   | Temperature range, installation, min. | -25 °C                   |
| Temperature range, installation, max. | 100 °C   |                                       |                          |

#### Conductors suitable for connection

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

#### Rated data acc. to IEC

|                                                                           |                        |                                                                       |                   |
|---------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------|-------------------|
| tested acc. to standard                                                   | IEC 60664-1, IEC 61984 | Rated current, min. no. of poles (Tu=20°C)                            | 25.9 A            |
| Rated current, max. no. of poles (Tu=20°C)                                | 21.7 A                 | Rated current, min. no. of poles (Tu=40°C)                            | 22.5 A            |
| Rated current, max. no. of poles (Tu=40°C)                                | 18.5 A                 | Rated voltage for surge voltage class / pollution degree II/2         | 400 V             |
| Rated voltage for surge voltage class / pollution degree III/2            | 320 V                  | Rated voltage for surge voltage class / pollution degree III/3        | 250 V             |
| Rated impulse voltage for surge voltage class/ pollution degree II/2      | 4 kV                   | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 4 kV              |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 4 kV                   | Short-time withstand current resistance                               | 3 x 1s with 120 A |

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**Technical data**
**Rated data acc. to CSA**

Institute (CSA)



Certificate No. (CSA)

200039-1121690

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| Rated voltage (Use group B)   | 300 V                                                                  |
| Rated current (use group B)   | 10 A                                                                   |
| Wire cross-section, AWG, min. | AWG 26                                                                 |
| Reference to approval values  | Specifications are maximum values, details - see approval certificate. |

|                               |        |
|-------------------------------|--------|
| Rated voltage (use group D)   | 300 V  |
| Rated current (use group D)   | 10 A   |
| Wire cross-section, AWG, max. | AWG 12 |

**Rated data acc. to UL 1059**

Institute (cURus)



Certificate No. (cURus)

E60693

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| Rated voltage (use group B)   | 300 V                                                                  |
| Rated current (use group B)   | 14 A                                                                   |
| Wire cross-section, AWG, min. | AWG 26                                                                 |
| Reference to approval values  | Specifications are maximum values, details - see approval certificate. |

|                               |        |
|-------------------------------|--------|
| Rated voltage (use group D)   | 300 V  |
| Rated current (use group D)   | 10 A   |
| Wire cross-section, AWG, max. | AWG 12 |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 4.0   | EC002637    | ETIM 5.0   | EC002637    |
| ETIM 6.0   | EC002637    | eClass 6.2 | 27-26-07-04 |
| eClass 7.1 | 27-44-04-02 | eClass 8.1 | 27-44-04-02 |
| eClass 9.0 | 27-44-04-02 | eClass 9.1 | 27-44-04-02 |

**Notes**

Notes

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

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.

**Approvals**

Approvals



ROHS

Conform

Creation date July 2, 2018 10:44:33 AM CEST

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## Technical data

### Downloads

Approval/Certificate/Document of  
Conformity

[Declaration of the Manufacturer](#)

Brochure/Catalogue

[FL DRIVES EN](#)  
[MB DEVICE MANUF. EN](#)  
[FL DRIVES DE](#)  
[CAT 2 PORTFOLIOGUIDE EN](#)  
[FL BUILDING SAFETY EN](#)  
[FL APPL LED LIGHTING EN](#)  
[FL INDUSTR.CONTROLS EN](#)  
[FL MACHINE SAFETY EN](#)  
[FL HEATING ELECTR EN](#)  
[FL APPL INVERTER EN](#)  
[FL BASE STATION EN](#)  
[FL ELEVATOR EN](#)  
[FL POWER SUPPLY EN](#)  
[FL 72H SAMPLE SER EN](#)  
[PO OMNIMATE EN](#)

White Paper wire connection

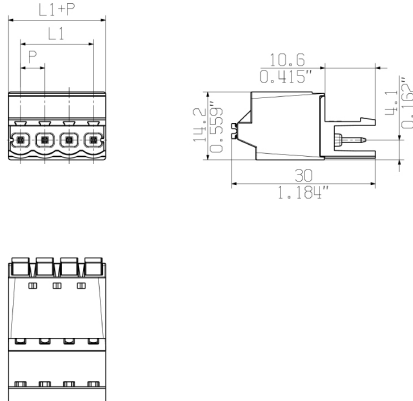
[Download Whitepaper](#)

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# Drawings

## Dimensional drawing



## Graph

