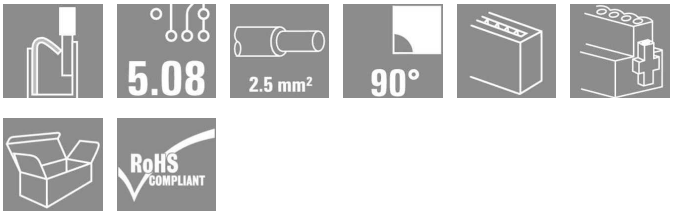
# OMNIMATE Signal - series BL/SL 5.08
# BLF 5.08HC/12/90F SN BK BX

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






Just as reliable as the tried-and-tested original, with innovation in detail:
the BLF 5.08, PUSH-IN version of the BLZ 5.08 female header, features a new connection system and a more compact design. Weidmüller innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate.
In terms of versatility, the BLF 5.08 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.
- Use the BLF 5.08 and SL 5.08HC plug combination in order to reach the max. rated specifications.

## General ordering data

| | |
|---|---|
| Type | BLF 5.08HC/12/90F SN BK BX |
| Order No. | 1000320001 |
| Version | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 12, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box |
| GTIN (EAN) | 4032248690282 |
| Qty. | 24 pc(s). |
| Product data | IEC: 400 V / 24 A / 0.2 - 2.5 mm²<br>UL: 300 V / 18.5 A / AWG 26 - AWG 12 |
| Packaging | Box |

Erstellungs-Datum December 12, 2013 11:18:48 AM CET

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## Technische Daten

### Dimensions and weights

| | |
|---|---|
| Net weight | 23.95 g |

### System parameters

| | | | |
|---|---|---|---|
| Product family | OMNIMATE Signal - series BL/SL 5.08 | Wire connection method | PUSH IN spring connection |
| Conductor outlet direction | 90° | Pitch in mm (P) | 5.08 mm |
| Pitch in inches (P) | 0.2 inch | No. of poles | 12 |
| Screwdriver blade | 0.6 x 3.5 | Screwdriver blade standard | DIN 5264 |
| Stripping length | 10 mm | L1 in mm | 55.88 mm |
| L1 in inches | 2.2 inch | Touch-safe protection acc. to DIN VDE 0470 | IP 20 |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch | | |

### Material data

| | | | |
|---|---|---|---|
| Insulating material | PBT | Colour | Black |
| Colour chart (similar) | RAL 9011 | UL 94 flammability rating | V-0 |
| CTI | ≥ 200 | Contact material | CuSn |
| Contact surface | tinned | | |

### Connectable conductors

| | | | |
|---|---|---|---|
| Clamping range, rated connection, min. | 0.13 mm² | Clamping range, rated connection, max. | 3.31 mm² |
| Wire connection cross section AWG, min. | AWG 26 | 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. wire end ferrule, DIN 46228 pt 1, min | 0.2 mm² | w. wire end ferrule, DIN 46228 pt 1, max. | 2.5 mm² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm² | w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm² |
| Plug gauge acc. to EN 60999 a x b; Ø | 2.8 mm x 2.0 mm | | |

### DIN IEC rating data

| | | | |
|---|---|---|---|
| Rated current, min. no. of poles (TU=20°C) | 24 A | Rated current, max. no. of poles (Tu=20°C) | 19 A |
| Rated current, number of poles (Tu=40°C), min | 21 A | Rated current, number of poles (Tu=40°C), max. | 16.5 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 classpollution degree II/2 | 4 kV |
| Rated impulse voltage for surge voltage classpollution degree III/2 | 4 kV | Rated impulse voltage for surge voltage classcontamination degree III/3 | 4 kV |
| Short-time withstand current resistance | 3 x 1s with 120 A | | |

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## Technische Daten

### CSA rating data

| | | | |
|---|---|---|---|
| Institute (CSA) | | Rated voltage (Use group B) | 300 V |
| Rated current (use group B) | 10 A | Rated voltage (use group D) | 300 V |
| Rated current (use group D) | 10 A | Wire cross-section, AWG, min. | AWG 12 |
| Wire cross-section, AWG, max. | AWG 26 | | |

### UL 1059 rating data

| | | | |
|---|---|---|---|
| Rated voltage (use group B) | 300 V | Rated current (use group B) | 18.5 A |
| Rated voltage (use group D) | 300 V | Rated current (use group D) | 10 A |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |

### Classifications

| | | | |
|---|---|---|---|
| UNSPSC | 30-21-18-01 | eClass 6.2 | 27-26-07-04 |
| eClass 7.1 | 27-44-04-02 | | |

### Notes

| | |
|---|---|
| Notes | • Additional colours 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<br>• Wire end ferrule with plastic collar to DIN 46228/4<br>• P on drawing = pitch |

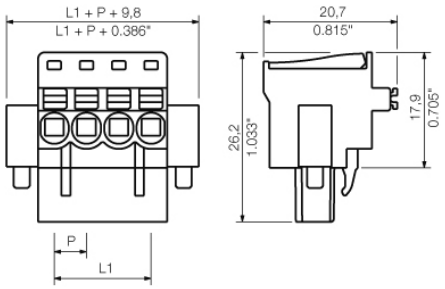
### Approvals

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

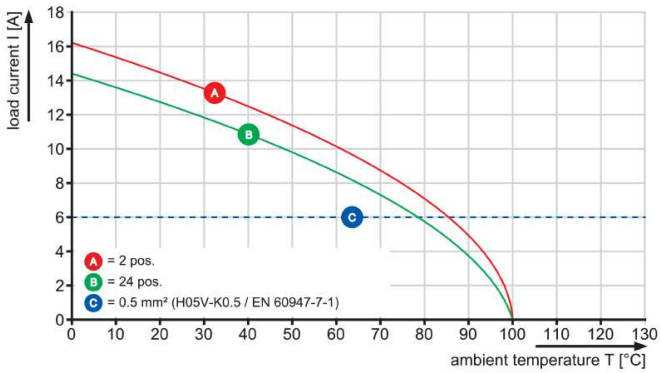
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## Zeichnungen




BLF 5.08HC/../90 - SL 5.08HC/../90




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