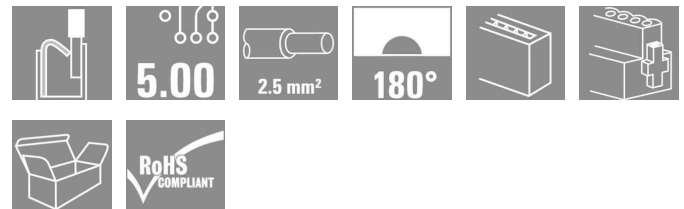


OMNIMATE Signal - series BL/SL 5.00 BLF 5.00HC/14/180F SN OR BX

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 5.00 – the PUSH-IN version of the BLZ 5.00 female plug – features a new connection system and a more compact design. Weidmüller's 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 5.00 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.

General ordering data

| | |
|--------------|---|
| Type | BLF 5.00HC/14/180F SN OR BX |
| Order No. | 1017570000 |
| Version | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 14, 180°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box |
| GTIN (EAN) | 4032248727681 |
| Qty. | 18 pc(s). |
| Product data | IEC: 400 V / 20.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26 |
| Packaging | Box |

Erstellungs-Datum December 13, 2013 11:29:02 AM CET

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Technische Daten

Dimensions and weights

Net weight 25.86 g

System parameters

| | | | |
|--|-------------------------------------|--|---------------------------|
| Product family | OMNIMATE Signal - series BL/SL 5.00 | Wire connection method | PUSH IN spring connection |
| Conductor outlet direction | 180° | Pitch in mm (P) | 5 mm |
| Pitch in inches (P) | 0.197 inch | No. of poles | 14 |
| Screwdriver blade | 0.6 x 3.5 | Screwdriver blade standard | DIN 5264 |
| Stripping length | 10 mm | L1 in mm | 65 mm |
| L1 in inches | 2.561 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 | Orange |
| Colour chart (similar) | RAL 2000 | UL 94 flammability rating | V-0 |
| CTI | ≥ 200 | Contact material | CuSn |
| Contact surface | tinned | | |

Connectable conductors

| | | | |
|---|----------------------|---|----------------------|
| Clamping range, rated connection, min. | 0.13 mm ² | Clamping range, rated connection, max. | 3.31 mm ² |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross section AWG, max. | AWG 12 |
| Solid, min. H05(07) V-U | 0.2 mm ² | Solid, max. H05(07) V-U | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² | Flexible, max. H05(07) V-K | 2.5 mm ² |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.2 mm ² | w. wire end ferrule, DIN 46228 pt 1, max. | 2.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm ² | w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm ² |
| 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) | 20.5 A | Rated current, max. no. of poles (Tu=20°C) | 6 A |
| Rated current, number of poles (Tu=40°C), min | 17.5 A | Rated current, number of poles (Tu=40°C), max. | 6 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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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) 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

Classifications

eClass 6.2

27-26-07-04

eClass 7.1

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

Approvals

Approvals



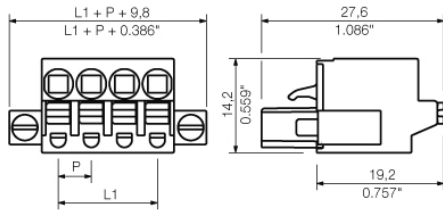
ROHS

Conform

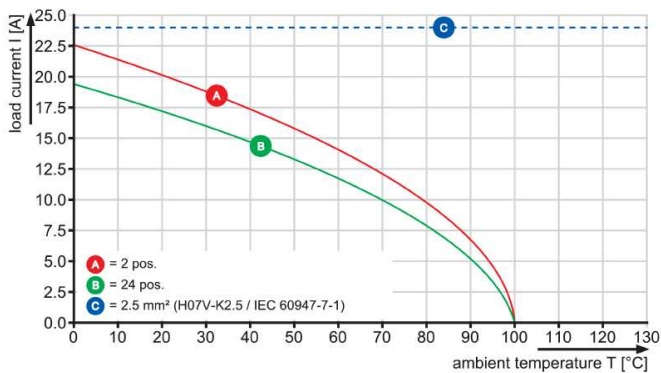
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Zeichnungen



BLF 5.00/.../180 - SL 5.00/.../90



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