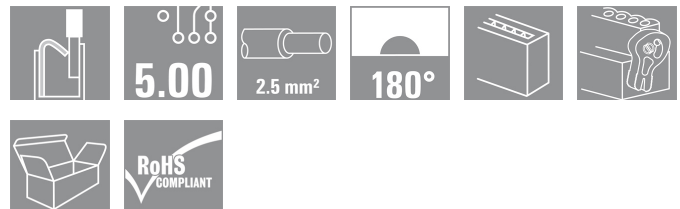


**BL/SL 5.00 series**  
**BLF 5.00HC/05/180LH SN BK BX**

**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 5.00 – 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**

|              |                                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------|
| Order No.    | <a href="#">1015570000</a>                                                                                                         |
| Type         | BLF 5.00HC/05/180LH SN BK BX                                                                                                       |
| Version      | PCB plug-in connector, female plug, 5.00 mm, No. of poles: 5, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm², Box |
| GTIN (EAN)   | 4032248725120                                                                                                                      |
| Qty.         | 48 pc(s).                                                                                                                          |
| Product data | IEC: 400 V / 20.5 A / 0.2 - 2.5 mm²<br>UL: 300 V / 10 A / AWG 12 - AWG 26                                                          |
| Packaging    | Box                                                                                                                                |

Creation date October 10, 2012 8:33:00 AM CEST

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**Technical data**
**Dimensions and weights**

|            |         |
|------------|---------|
| Net weight | 10.52 g |
|------------|---------|

**System parameters**

|                                            |                   |                                              |                        |
|--------------------------------------------|-------------------|----------------------------------------------|------------------------|
| Product family                             | BL/SL 5.00 series | Conductor connection system                  | PUSH IN                |
| Outgoing direction of conductor            | 180°              | Pitch in mm (P)                              | 5 mm                   |
| Pitch in inches (P)                        | 0.197 inch        | No. of poles                                 | 5                      |
| Number of rows                             | 1                 | Screwdriver blade                            | 0.6 x 3.5              |
| Screwdriver blade standard                 | DIN 5264          | Stripping length                             | 10 mm                  |
| L1 in mm                                   | 20 mm             | L1 in inches                                 | 0.788 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   | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C   |                                  |        |

**Connectable conductors**

|                                                 |                      |                                                 |                      |
|-------------------------------------------------|----------------------|-------------------------------------------------|----------------------|
| Clamping range, rated connection, min.          | 0.13 mm <sup>2</sup> | Clamping range, rated connection, 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>  |
| Stranded, max. H07V-R                           | 2 mm <sup>2</sup>    | Stranded, min. H07V-R                           | 0 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. 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>  |
| 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>  |
| 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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**Technical data**
**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 6.0

27-26-07-04

eClass 7.0

27-44-04-02

**Notes**

Notes

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

**Approvals**

Approvals



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**Drawings**

