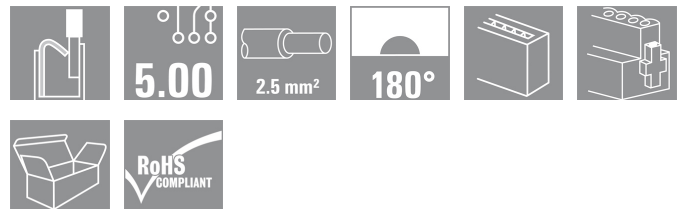


**BL/SL 5.00 series**  
**BLF 5.00HC/09/180F SN BK BX**

**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="#">1017320000</a>
Type	BLF 5.00HC/09/180F SN BK BX
Version	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 9, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box
GTIN (EAN)	4032248728206
Qty.	30 pc(s).
Product data	IEC: 400 V / 20.5 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 12 - AWG 26
Packaging	Box

Creation date October 10, 2012 8:32:43 AM CEST

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

Net weight 17.14 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	9
Number of rows	1	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264	Stripping length	10 mm
L1 in mm	40 mm	L1 in inches	1.576 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 current (use group D)	10 A
Wire cross-section, AWG, max.	AWG 26

Rated voltage (use group D)	300 V
Wire cross-section, AWG, min.	AWG 12

**UL 1059 rating data**

Rated voltage (use group B)	300 V
Rated voltage (use group D)	300 V
Wire cross-section, AWG, min.	AWG 12

Rated current (use group B)	10 A
Rated current (use group D)	10 A
Wire cross-section, AWG, max.	AWG 26

**Classifications**

eClass 6.0	27-26-07-04	eClass 7.0	27-44-04-02
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**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**

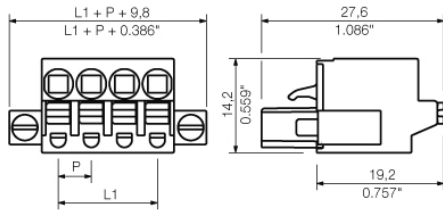
Approvals



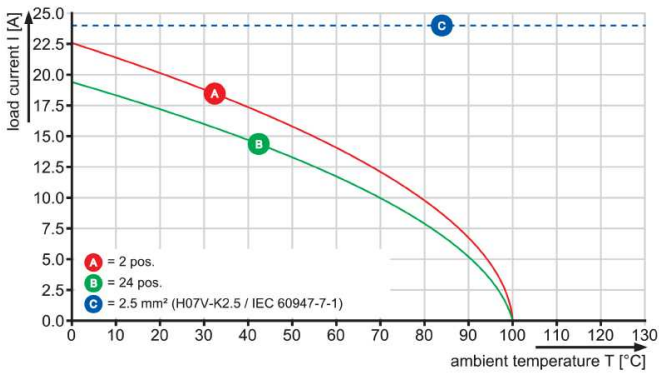
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**Drawings**



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



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

