

**System pitch 5.00 mm (0.197 inch)
BLF 5.00/02/180 SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com



Just as reliable as the tried-and-true original, with innovation in detail:

The BLF 5.0x – the PUSH-IN version of the BLZ 5.0x socket block – 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 5.0x 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, allow for user-friendly unplugging designs.

General ordering data

Material number	1017670000
Short text for material	BLF 5.00/02/180 SN BK BX
Article - short description	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm², Box
EAN	4032248728848
Qty.	180 pc(s).
Packaging	Box

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Technical data

System parameters

Conductor connection system	PUSH IN	Outgoing direction of conductor	180°
Pitch in mm	5 mm	Pitch in inch	0.197 inch
No. of poles	2	No. of rows	1
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Stripping length	10 mm	L1 in mm	5 mm
L1 in inch	0.197 inch	Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 57 106 Safe from finger touch			

Material data

Insulating material	PBT	Colour	black
colour chart	Similar to RAL 9011	Flammability class UL 94	V-0
Contact material	CuSn	Contact surface	tinned
Highest continuous operating temperature, min.	-20 °C	Highest continuous operating temperature, max.	120 °C

Connectable conductors

Clamping range, rated connection, min.	0.13 mm²	Clamping range, rated connection, max.	3.31 mm²
Conductor connection cross-section AWG, min.	AWG 26	Conductor 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
Stranded, max. H07V-R	2 mm²	Stranded, min. H07V-R	0 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	with wire end ferrule, DIN 46228 pt 1, max.	2.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm²	with plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm²
Gauge 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, no. of poles (Tu=40°C), min.	17.5 A	Rated current, no. of poles (Tu=40°C), max.	6 A
Rated voltage for overvoltage class/pollution severity II/2	400 V	Rated voltage for overvoltage class/pollution severity III/2	320 V
Rated voltage at overvoltage category/pollution degree III/3	250 V	Rated impulse withstand voltage for overvoltage class/pollution severity II/2	4 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	4 kV	Rated impulse withstand voltage for overvoltage class/pollution severity III/3	4 kV
Short-time withstand current resistance	3 x 1s with 120 A		

CSA 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

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

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Technical data

Approvals

Approvals	CSA; CURUS
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Classifications

ETIM 4.0	EC002637	eClass 6.0	27-26-07-08
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Notes

Notes	• Additional 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 pt 1 • Wire end ferrule with plastic collar to DIN 46228 pt 4 • P on drg. = pitch
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Drawings

