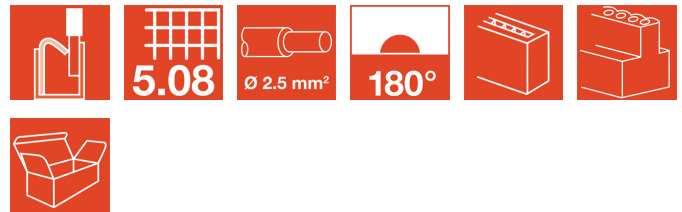


BL/SL 5.08 series
BLF 5.08/02/180 SN OR BX

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-tested original, with innovation in detail:

the BLF 5.08 – the PUSH-IN version of the BLZ 5.08 female header – 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 5.08 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.

General ordering data

Order No.	1013680000
Type	BLF 5.08/02/180 SN OR BX
Version	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm², Box
Product data	IEC: 400 V / 20.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26
EAN	4032248721818
Qty.	180 pc(s).
Packaging	Box

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Technical data

System parameters

Product family	BL/SL 5.08 series	Conductor connection system	PUSH IN
Outgoing direction of conductor	180°	Pitch, in mm	5.08 mm
Pitch, in inches	0.2 inch	No. of poles	2
Number of rows	1	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264	Stripping length	10 mm
L1 in mm	5.08 mm	L1 in inches	0.2 inch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Touch-safe protection acc. to DIN VDE 57106	Safe from finger touch

Material data

Insulating material	PBT	Colour	orange
Colour chart	Similar to RAL 2000	Flammability class UL 94	V-0
Contact material	CuSn	Contact surface	tinned
Continuous operating temp., min.	-20 °C	Continuous operating temp., max.	100 °C

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
Stranded, max. H07V-R	2 mm ²	Stranded, min. H07V-R	0 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		

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

Classifications

ETIM 4.0	EC002637	eClass 6.0	27-26-07-04
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www.weidmueller.com**Technical data****Approvals**

Approvals	CSA; CURUS; GOSTME25
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Notes

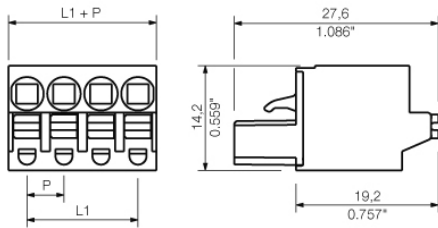
- | | |
|-------|---|
| Notes | <ul style="list-style-type: none">• Additional colours on request• Gold-plated contact surfaces on request• Rated current related to rated cross-section and min. No. of poles.
• Wire end ferrule without plastic collar to DIN 46228/1
• Wire end ferrule with plastic collar to DIN 46228/4
• P on drg. = pitch |
|-------|---|

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Drawings



BLF 5.08/.. /180 - SL 5.08/.. /90

