

## Excellent Integrated System Limited

Stocking Distributor

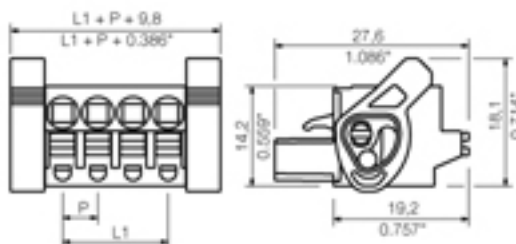
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[Weidmüller](#)  
[1015750000](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 5.00 / 5.08 mm (0.197 / 0.200 inch) | Female PUSH IN socket block with spring connection in 5.00/5.08 pitch | BLF 5.00-5.08/180 | BLF 5.00/180LH SN


**General ordering data**

Order No.	1015750000
Part designation	BLF 5.00/05/180LH SN OR BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 5, 180°, Box
EAN	4032248724956
Qty.	48 pc(s).
Packaging	Box

**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	5
No. 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 inch	0.788 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	Orange
colour chart	Similar to RAL 2000
Flammability class UL 94	V-0
Contact material	CuSn
Contact surface	tinned
Contact base material	CuSn

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**Connectable conductors**

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	3.31 mm <sup>2</sup>
Conductor connection cross-section AWG, min.	AWG 26
Conductor 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>
with 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>
with plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>
Gauge to EN 60999 a x b; ø	2.4 mm x 1.5 mm

**DIN IEC rating data**

Rated current, min. No. of poles (Tu=20°C)	18.5 A
Rated current, max. No. of poles (Tu=20°C)	6 A
Rated current, no. of poles (Tu=40°C), min.	12.5 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

**UL 1059 rating data**

Rated voltage (use group B)	300 V
Rated current (use group B)	10 A

**Approvals**

Approvals institutes	CSA; CURUS
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**Classifications**

eClass 6.0	27-26-07-08
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**Notes**

Notes

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## Notes

**Similar products**

Order No.	Part designation	Version
1015530000	BLF 5.00/02/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 2, 180°, Box
1015720000	BLF 5.00/02/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 2, 180°, Box
1015540000	BLF 5.00/03/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 3, 180°, Box
1015730000	BLF 5.00/03/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 3, 180°, Box
1015550000	BLF 5.00/04/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 4, 180°, Box
1015740000	BLF 5.00/04/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 4, 180°, Box
1015570000	BLF 5.00/05/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 5, 180°, Box
1015580000	BLF 5.00/06/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 6, 180°, Box
1015770000	BLF 5.00/06/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 6, 180°, Box
1015590000	BLF 5.00/07/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 7, 180°, Box
1015780000	BLF 5.00/07/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 7, 180°, Box
1015600000	BLF 5.00/08/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 8, 180°, Box
1015790000	BLF 5.00/08/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 8, 180°, Box
1015610000	BLF 5.00/09/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 9, 180°, Box
1015810000	BLF 5.00/09/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 9, 180°, Box
1015620000	BLF 5.00/10/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 10, 180°, Box
1015820000	BLF 5.00/10/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 10, 180°, Box
1015630000	BLF 5.00/11/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 11, 180°, Box
1015830000	BLF 5.00/11/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 11, 180°, Box
1015640000	BLF 5.00/12/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 12, 180°, Box
1015840000	BLF 5.00/12/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 12, 180°, Box
1015650000	BLF 5.00/13/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 13, 180°, Box

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1015850000	BLF 5.00/13/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 13, 180°, Box
1015670000	BLF 5.00/14/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 14, 180°, Box
1015880000	BLF 5.00/14/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 14, 180°, Box
1015680000	BLF 5.00/15/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 15, 180°, Box
1015890000	BLF 5.00/15/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 15, 180°, Box
1015690000	BLF 5.00/16/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 16, 180°, Box
1015910000	BLF 5.00/16/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 16, 180°, Box
1015700000	BLF 5.00/17/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 17, 180°, Box
1015920000	BLF 5.00/17/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 17, 180°, Box
1015710000	BLF 5.00/18/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 18, 180°, Box
1015930000	BLF 5.00/18/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5 mm, No. of poles: 18, 180°, Box