

## Excellent Integrated System Limited

Stocking Distributor

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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 5.08/180LH SN


**General ordering data**

Order No.	1015180000
Part designation	BLF 5.08/21/180LH SN OR BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 21, 180°, Box
EAN	4032248723768
Qty.	12 pc(s).
Packaging	Box

**System parameters**

Conductor connection system	PUSH IN
Outgoing direction of conductor	180°
Pitch in mm	5.08 mm
Pitch in inch	0.2 inch
No. of poles	21
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	101.6 mm
L1 in inch	4 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

**Approvals**

Approvals institutes	CSA; CURUS
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**Classifications**

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

Notes

**Similar products**

Order No.	Part designation	Version
1014730000	BLF 5.08/02/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box

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1014980000	BLF 5.08/02/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box
1014740000	BLF 5.08/03/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box
1014990000	BLF 5.08/03/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box
1014750000	BLF 5.08/04/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 4, 180°, Box
1015010000	BLF 5.08/04/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 4, 180°, Box
1014760000	BLF 5.08/05/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box
1015020000	BLF 5.08/05/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box
1014770000	BLF 5.08/06/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box
1015030000	BLF 5.08/06/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box
1014780000	BLF 5.08/07/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box
1015040000	BLF 5.08/07/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box
1014790000	BLF 5.08/08/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box
1015050000	BLF 5.08/08/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box
1014810000	BLF 5.08/09/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 9, 180°, Box
1015060000	BLF 5.08/09/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 9, 180°, Box
1014820000	BLF 5.08/10/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 10, 180°, Box
1015070000	BLF 5.08/10/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 10, 180°, Box
1014830000	BLF 5.08/11/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 11, 180°, Box
1015080000	BLF 5.08/11/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 11, 180°, Box
1014840000	BLF 5.08/12/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 12, 180°, Box
1015090000	BLF 5.08/12/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 12, 180°, Box
1014850000	BLF 5.08/13/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 13, 180°, Box
1015100000	BLF 5.08/13/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 13, 180°, Box
1014860000	BLF 5.08/14/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 14, 180°, Box
1015110000	BLF 5.08/14/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 14, 180°, Box
1014870000	BLF 5.08/15/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 15, 180°, Box

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1015120000	BLF 5.08/15/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 15, 180°, Box
1014880000	BLF 5.08/16/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 16, 180°, Box
1015130000	BLF 5.08/16/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 16, 180°, Box
1014890000	BLF 5.08/17/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 17, 180°, Box
1015140000	BLF 5.08/17/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 17, 180°, Box
1014900000	BLF 5.08/18/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 18, 180°, Box
1015150000	BLF 5.08/18/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 18, 180°, Box
1014910000	BLF 5.08/19/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 19, 180°, Box
1015160000	BLF 5.08/19/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 19, 180°, Box
1014920000	BLF 5.08/20/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 20, 180°, Box
1015170000	BLF 5.08/20/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 20, 180°, Box
1014930000	BLF 5.08/21/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 21, 180°, Box
1014940000	BLF 5.08/22/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 22, 180°, Box
1015190000	BLF 5.08/22/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 22, 180°, Box
1014960000	BLF 5.08/23/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 23, 180°, Box
1015200000	BLF 5.08/23/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 23, 180°, Box
1014970000	BLF 5.08/24/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 24, 180°, Box
1015210000	BLF 5.08/24/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 24, 180°, Box