



#### General ordering data

Order No.	1981370000
Part designation	BLF 5.00/02/90LH 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: 2, 90°, Box
EAN	4032248676675
Qty.	90 pc(s).
Packaging	Box

#### System parameters

Conductor connection system	PUSH IN
Outgoing direction of conductor	90°
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	Orange
colour chart	Similar to RAL 2000
Flammability class UL 94	V-0
Contact material	CuSn
Contact surface	tinned
Contact base material	CuSn

#### 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

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## Notes

### Similar products

Order No.	Part designation	Version
1979980000	BLF 5.00/02/90LH 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, 90°, Box
1979990000	BLF 5.00/03/90LH 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, 90°, Box
1980000000	BLF 5.00/04/90LH 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, 90°, Box
1980010000	BLF 5.00/05/90LH 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, 90°, Box
1980020000	BLF 5.00/06/90LH 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, 90°, Box
1980030000	BLF 5.00/07/90LH 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, 90°, Box
1980040000	BLF 5.00/08/90LH 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, 90°, Box
1980050000	BLF 5.00/09/90LH 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, 90°, Box
1980060000	BLF 5.00/10/90LH 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, 90°, Box
1980070000	BLF 5.00/11/90LH 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, 90°, Box
1980080000	BLF 5.00/12/90LH 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, 90°, Box
1980090000	BLF 5.00/13/90LH 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, 90°, Box
1980100000	BLF 5.00/14/90LH 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, 90°, Box
1980110000	BLF 5.00/15/90LH 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, 90°, Box
1980120000	BLF 5.00/16/90LH 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, 90°, Box
1980130000	BLF 5.00/17/90LH 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, 90°, Box
1980140000	BLF 5.00/18/90LH 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, 90°, Box
1980150000	BLF 5.00/19/90LH 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: 19, 90°, Box
1980160000	BLF 5.00/20/90LH 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: 20, 90°, Box