



#### General ordering data

Order No.	1980110000
Part designation	BLF5.00/15/90LH SN SW
Version	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 90°, Box
EAN	4032248675173
Qty.	50 pc(s).

#### System parameters

Conductor connection system	Push In
Outgoing direction of conductor	90°
Pitch	5 mm
Pitch in inch	0.197 inch
No. of poles	15
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	70 mm
L1 in inch	2.758 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

#### Material data

Insulating material	PBT
Colour	black
Flammability class UL 94	V-0
Contact base material	CuSn
Contact surface	tinned

#### Connectable conductors

Clamping range, min.	0.13 mm <sup>2</sup>
Clamping range, max.	3.31 mm <sup>2</sup>
AWG, min.	26

#### Connectable conductors

AWG, max.	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, min. H07V-R	0 mm <sup>2</sup>
Stranded, max. H07V-R	2 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>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>
w. 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. pins (Tu=20°C)	18.5 A
Rated current, max. No. pins (Tu=20°C)	6 A
Rated current, min. No. pins (Tu=40°C)	12.5 A
Rated current, max. No. pins (Tu=40°C)	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 for overvoltage class/pollution severity 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



Similar products

Order No.	Part designation	Version
1981370000	BLF5.00/02/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1979980000	BLF5.00/02/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1981380000	BLF5.00/03/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1979990000	BLF5.00/03/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1981390000	BLF5.00/04/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1980000000	BLF5.00/04/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1981400000	BLF5.00/05/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1980010000	BLF5.00/05/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1981410000	BLF5.00/06/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
1980020000	BLF5.00/06/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
1981420000	BLF5.00/07/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
1980030000	BLF5.00/07/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
1981430000	BLF5.00/08/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
1980040000	BLF5.00/08/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
1981440000	BLF5.00/09/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
1980050000	BLF5.00/09/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
1981450000	BLF5.00/10/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1980060000	BLF5.00/10/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1981460000	BLF5.00/11/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1980070000	BLF5.00/11/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1981470000	BLF5.00/12/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1980080000	BLF5.00/12/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1981480000	BLF5.00/13/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 90°, Box
1980090000	BLF5.00/13/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 13, 90°, Box
1981490000	BLF5.00/14/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 90°, Box

1980100000	BLF5.00/14/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 14, 90°, Box
1981500000	BLF5.00/15/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 15, 90°, Box
1981510000	BLF5.00/16/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 90°, Box
1980120000	BLF5.00/16/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 16, 90°, Box
1981520000	BLF5.00/17/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 17, 90°, Box
1980130000	BLF5.00/17/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 17, 90°, Box
1981530000	BLF5.00/18/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 18, 90°, Box
1980140000	BLF5.00/18/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 18, 90°, Box
1981540000	BLF5.00/19/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 19, 90°, Box
1980150000	BLF5.00/19/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 19, 90°, Box
1981550000	BLF5.00/20/90LH SN OR	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 20, 90°, Box
1980160000	BLF5.00/20/90LH SN SW	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch: 5.00 mm, No. of poles: 20, 90°, Box