



General ordering data

Order No.	1980200000
Part designation	BLF 5.00/05/90 SN OR BX
Version	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
EAN	4032248675289
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	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 0470	Safe from finger touch

Material data

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

Connectable conductors

Clamping range, min.	0.13 mm ²
Clamping range, max.	3.31 mm ²
AWG, min.	26

Connectable conductors

AWG, max.	12
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	2.5 mm ²
Stranded, min. H07V-R	0 mm ²
Stranded, max. H07V-R	2 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.2 mm ²
With wire end ferrule, acc. to DIN 46 228/1, 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
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
1980170000	BLF 5.00/02/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1979270000	BLF 5.00/02/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box
1980180000	BLF 5.00/03/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box
1979280000	BLF 5.00/03/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box

1980190000	BLF 5.00/04/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1979290000	BLF 5.00/04/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box
1979300000	BLF 5.00/05/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box
1980210000	BLF 5.00/06/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
1979310000	BLF 5.00/06/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box
1980220000	BLF 5.00/07/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
1979320000	BLF 5.00/07/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box
1980230000	BLF 5.00/08/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
1979330000	BLF 5.00/08/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box
1980240000	BLF 5.00/09/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
1979340000	BLF 5.00/09/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box
1980250000	BLF 5.00/10/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1979350000	BLF 5.00/10/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box
1980260000	BLF 5.00/11/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1979360000	BLF 5.00/11/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box
1980270000	BLF 5.00/12/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1979370000	BLF 5.00/12/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box
1980280000	BLF 5.00/13/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 13, 90°, Box
1979380000	BLF 5.00/13/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 13, 90°, Box
1980290000	BLF 5.00/14/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 14, 90°, Box
1979390000	BLF 5.00/14/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 14, 90°, Box
1980300000	BLF 5.00/15/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 15, 90°, Box
1979400000	BLF 5.00/15/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 15, 90°, Box
1980310000	BLF 5.00/16/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 16, 90°, Box
1979410000	BLF 5.00/16/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 16, 90°, Box
1980320000	BLF 5.00/17/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 17, 90°, Box

1979420000	BLF 5.00/17/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 17, 90°, Box
1980330000	BLF 5.00/18/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 18, 90°, Box
1979430000	BLF 5.00/18/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 18, 90°, Box
1980340000	BLF 5.00/19/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 19, 90°, Box
1979440000	BLF 5.00/19/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 19, 90°, Box
1980360000	BLF 5.00/20/90 SN OR BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 20, 90°, Box
1979450000	BLF 5.00/20/90 SN BK BX	PCB plug-in connector, Female connectors, Push In, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 20, 90°, Box