



#### General ordering data

Order No.	1017390000
Part designation	BLF 5.00/16/180F SN BK 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: 16, 180°, Box
EAN	4032248728138
Qty.	18 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	16
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	75 mm
L1 in inch	2.955 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	black
colour chart	Similar to RAL 9011
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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Similar products

Order No.	Part designation	Version
1017240000	BLF 5.00/02/180F 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
1017420000	BLF 5.00/02/180F 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
1017250000	BLF 5.00/03/180F 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
1017430000	BLF 5.00/03/180F 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
1017260000	BLF 5.00/04/180F 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
1017440000	BLF 5.00/04/180F 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
1017270000	BLF 5.00/05/180F 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
1017450000	BLF 5.00/05/180F 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: 5, 180°, Box
1017280000	BLF 5.00/06/180F 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
1017470000	BLF 5.00/06/180F 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
1017290000	BLF 5.00/07/180F 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
1017480000	BLF 5.00/07/180F 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
1017310000	BLF 5.00/08/180F 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
1017490000	BLF 5.00/08/180F 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
1017320000	BLF 5.00/09/180F 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
1017510000	BLF 5.00/09/180F 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
1017330000	BLF 5.00/10/180F 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
1017520000	BLF 5.00/10/180F 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
1017340000	BLF 5.00/11/180F 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
1017530000	BLF 5.00/11/180F 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
1017350000	BLF 5.00/12/180F 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
1017540000	BLF 5.00/12/180F 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

1017360000	BLF 5.00/13/180F 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
1017550000	BLF 5.00/13/180F 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
1017370000	BLF 5.00/14/180F 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
1017570000	BLF 5.00/14/180F 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
1017380000	BLF 5.00/15/180F 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
1017590000	BLF 5.00/15/180F 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
1017600000	BLF 5.00/16/180F 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
1017400000	BLF 5.00/17/180F 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
1017610000	BLF 5.00/17/180F 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
1017410000	BLF 5.00/18/180F 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
1017620000	BLF 5.00/18/180F 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