



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



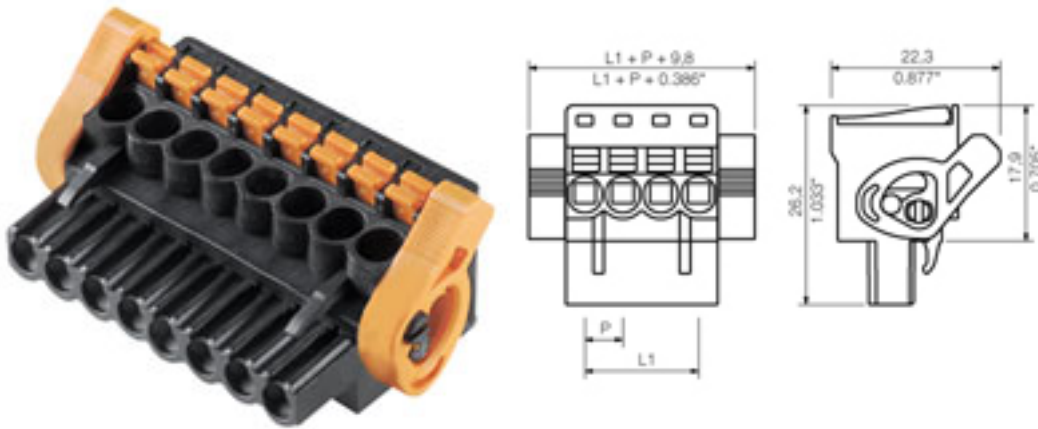
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General ordering data

Order No.	1981510000
Part designation	BLF 5.00/16/90LH SN OR BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 16, 90°, Box
EAN	4032248676811
Qty.	18 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	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	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 ²
Clamping range, max.	3.31 mm ²
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 ²
Solid, max. H05(07) V-U	2.5 mm ²
Stranded, max. H07V-R	2 mm ²
Stranded, min. H07V-R	0 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	2.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min	0.2 mm ²
with wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²
with 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. 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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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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , 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 ² , Pitch in mm: 5 mm, No. of poles: 20, 90°, Box