



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!



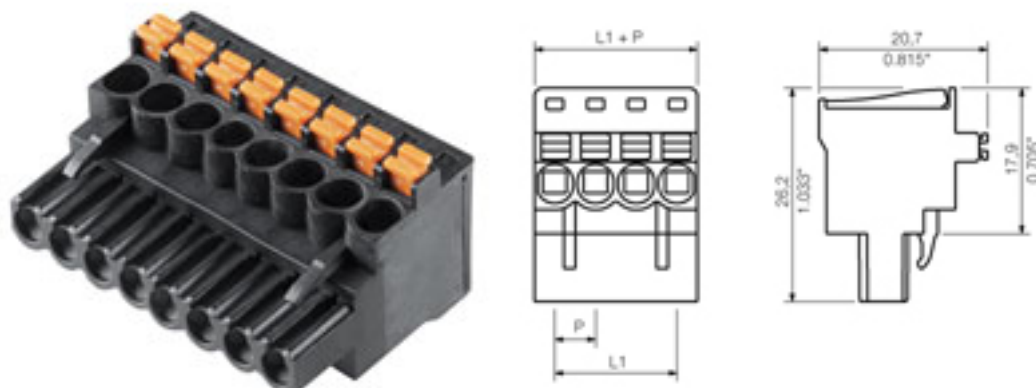
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General ordering data

Order No.	1979440000
Part designation	BLF 5.00/19/90 SN BK BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 19, 90°, Box
EAN	4032248674640
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	19
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	90 mm
L1 in inch	3.546 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 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
1979270000	BLF 5.00/02/90 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
1979280000	BLF 5.00/03/90 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
1979290000	BLF 5.00/04/90 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
1979300000	BLF 5.00/05/90 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
1979310000	BLF 5.00/06/90 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
1979320000	BLF 5.00/07/90 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
1979330000	BLF 5.00/08/90 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
1979340000	BLF 5.00/09/90 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
1979350000	BLF 5.00/10/90 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
1979360000	BLF 5.00/11/90 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
1979370000	BLF 5.00/12/90 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
1979380000	BLF 5.00/13/90 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
1979390000	BLF 5.00/14/90 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
1979400000	BLF 5.00/15/90 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
1979410000	BLF 5.00/16/90 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
1979420000	BLF 5.00/17/90 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
1979430000	BLF 5.00/18/90 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
1979450000	BLF 5.00/20/90 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