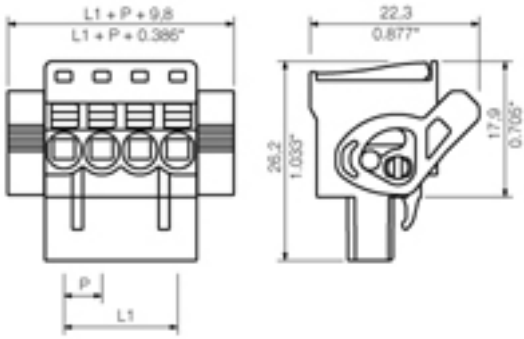




General ordering data	
Order No.	1980020000
Part designation	BLF 5.00/06/90LH SN BK BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5 mm, No. of poles: 6, 90°, Box
EAN	4032248675081
Qty.	42 pc(s).
Packaging	Box

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	6
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	25 mm
L1 in inch	0.985 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 mm²
Clamping range, max.	3.31 mm²
Conductor connection cross-section AWG, min.	AWG 26
Conductor connection cross-section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.2 mm²
Solid, max. H05(07) V-U	2.5 mm²
Stranded, max. H07V-R	2 mm²
Stranded, min. H07V-R	0 mm²
Flexible, min. H05(07) V-K	0.2 mm²
Flexible, max. H05(07) V-K	2.5 mm²
w. wire end ferrule, DIN 46228 pt 1, min	0.2 mm²
with wire end ferrule, DIN 46228 pt 1, max.	2.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm²
with plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm²
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

Classifications	
eClass 6.0	27-26-07-08

Notes	
Notes	

Notes

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 mm², 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 mm², 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 mm², 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 mm², Pitch in mm: 5 mm, No. of poles: 5, 90°, Box
1980030000	BLF 5.00/07/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², Pitch in mm: 5 mm, No. of poles: 20, 90°, Box