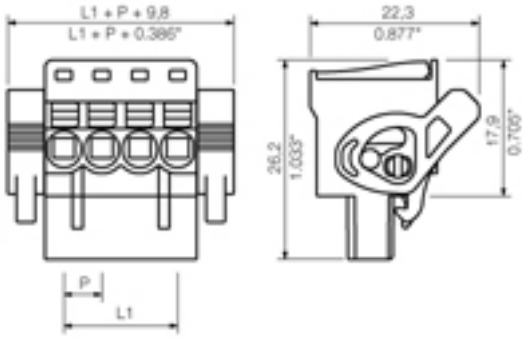




General ordering data	
Order No.	1980940000
Part designation	BLF 5.00/09/90LR SN OR BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5 mm, No. of poles: 9, 90°, Box
EAN	4032248676057
Qty.	30 pc(s).
Packaging	Box

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	9
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	40 mm
L1 in inch	1.576 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 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
1979790000	BLF 5.00/02/90LR 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
1979800000	BLF 5.00/03/90LR 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
1979810000	BLF 5.00/04/90LR 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
1979820000	BLF 5.00/05/90LR 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
1979830000	BLF 5.00/06/90LR SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5 mm, No. of poles: 6, 90°, Box
1979840000	BLF 5.00/07/90LR 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
1979850000	BLF 5.00/08/90LR 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
1979860000	BLF 5.00/09/90LR 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
1979870000	BLF 5.00/10/90LR 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
1979880000	BLF 5.00/11/90LR 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
1979890000	BLF 5.00/12/90LR 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
1979900000	BLF 5.00/13/90LR 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
1979910000	BLF 5.00/14/90LR 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
1979920000	BLF 5.00/15/90LR 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
1979930000	BLF 5.00/16/90LR 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
1979940000	BLF 5.00/17/90LR 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
1979950000	BLF 5.00/18/90LR 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
1979960000	BLF 5.00/19/90LR 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
1979970000	BLF 5.00/20/90LR 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