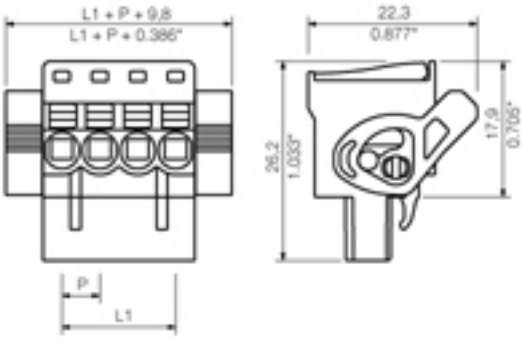




General ordering data	
Order No.	1000740001
Part designation	BLF 5.08/12/90LH SN BK BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 12, 90°, Box
EAN	4032248690930
Qty.	24 pc(s).
Packaging	Box

System parameters	
Conductor connection system	PUSH IN
Outgoing direction of conductor	90°
Pitch in mm	5.08 mm
Pitch in inch	0.2 inch
No. of poles	12
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	55.88 mm
L1 in inch	2.2 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

Approvals	
Approvals institutes	CSA; CURUS; ROHS

Classifications	
eClass 6.0	27-26-07-08

Notes	
Notes	

Similar products

Order No.	Part designation	Version
1000640001	BLF 5.08/02/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 2, 90°, Box

1000650001	BLF 5.08/03/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 3, 90°, Box
1000660001	BLF 5.08/04/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 4, 90°, Box
1000670001	BLF 5.08/05/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 5, 90°, Box
1000680001	BLF 5.08/06/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 6, 90°, Box
1000690001	BLF 5.08/07/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 7, 90°, Box
1000700001	BLF 5.08/08/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 8, 90°, Box
1000710001	BLF 5.08/09/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 9, 90°, Box
1000720001	BLF 5.08/10/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 10, 90°, Box
1000730001	BLF 5.08/11/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 11, 90°, Box
1000750001	BLF 5.08/13/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 13, 90°, Box
1000760001	BLF 5.08/14/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 14, 90°, Box
1000770001	BLF 5.08/15/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 15, 90°, Box
1000780001	BLF 5.08/16/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 16, 90°, Box
1000790001	BLF 5.08/17/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 17, 90°, Box
1000800001	BLF 5.08/18/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 18, 90°, Box
1000810001	BLF 5.08/19/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 19, 90°, Box
1000820001	BLF 5.08/20/90LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 20, 90°, Box