



General ordering data	
Order No.	1012970000
Part designation	BLF 5.08/16/180F 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: 16, 180°, Box
EAN	4032248720736
Qty.	18 pc(s).
Packaging	Box

System parameters	
Conductor connection system	PUSH IN
Outgoing direction of conductor	180°
Pitch in mm	5.08 mm
Pitch in inch	0.2 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	76.2 mm
L1 in inch	3 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

Classifications	
eClass 6.0	27-26-07-08

Notes	
Notes	

Similar products

Order No.	Part designation	Version
1012640000	BLF 5.08/02/180F 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, 180°, Box

1013070000	BLF 5.08/02/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box
1012650000	BLF 5.08/03/180F 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, 180°, Box
1013090000	BLF 5.08/03/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box
1012660000	BLF 5.08/04/180F 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, 180°, Box
1013110000	BLF 5.08/04/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 4, 180°, Box
1012670000	BLF 5.08/05/180F 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, 180°, Box
1013120000	BLF 5.08/05/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box
1012680000	BLF 5.08/06/180F 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, 180°, Box
1013130000	BLF 5.08/06/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box
1012690000	BLF 5.08/07/180F 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, 180°, Box
1013140000	BLF 5.08/07/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box
1012710000	BLF 5.08/08/180F 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, 180°, Box
1013150000	BLF 5.08/08/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box
1012720000	BLF 5.08/09/180F 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, 180°, Box
1013160000	BLF 5.08/09/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 9, 180°, Box
1012730000	BLF 5.08/10/180F 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, 180°, Box
1013170000	BLF 5.08/10/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 10, 180°, Box
1012740000	BLF 5.08/11/180F 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, 180°, Box
1013180000	BLF 5.08/11/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 11, 180°, Box
1012750000	BLF 5.08/12/180F SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 12, 180°, Box
1013190000	BLF 5.08/12/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 12, 180°, Box
1012940000	BLF 5.08/13/180F 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, 180°, Box
1013210000	BLF 5.08/13/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 13, 180°, Box
1012950000	BLF 5.08/14/180F 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, 180°, Box
1013220000	BLF 5.08/14/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 14, 180°, Box
1012960000	BLF 5.08/15/180F 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, 180°, Box

1013230000	BLF 5.08/15/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 15, 180°, Box
1013240000	BLF 5.08/16/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 16, 180°, Box
1012980000	BLF 5.08/17/180F 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, 180°, Box
1013250000	BLF 5.08/17/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 17, 180°, Box
1012990000	BLF 5.08/18/180F 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, 180°, Box
1013260000	BLF 5.08/18/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 18, 180°, Box
1013010000	BLF 5.08/19/180F 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, 180°, Box
1013270000	BLF 5.08/19/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 19, 180°, Box
1013020000	BLF 5.08/20/180F 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, 180°, Box
1013280000	BLF 5.08/20/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 20, 180°, Box
1013030000	BLF 5.08/21/180F SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 21, 180°, Box
1013290000	BLF 5.08/21/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 21, 180°, Box
1013040000	BLF 5.08/22/180F SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 22, 180°, Box
1013310000	BLF 5.08/22/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 22, 180°, Box
1013050000	BLF 5.08/23/180F SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 23, 180°, Box
1013320000	BLF 5.08/23/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 23, 180°, Box
1013060000	BLF 5.08/24/180F SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 24, 180°, Box
1013330000	BLF 5.08/24/180F SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm², Pitch in mm: 5.08 mm, No. of poles: 24, 180°, Box