

Excellent Integrated System Limited

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Product catalogue | PCB connection systems | PCB plug-in connectors | Pitch 5.00 / 5.08 mm (0.197 / 0.200 inch) | Female PUSH IN socket block with spring connection in 5.00/5.08 pitch | BLF 5.00-5.08/180 | BLF 5.08/180LH SN



General ordering data

Order No.	1015170000
Part designation	BLF 5.08/20/180LH SN OR BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 20, 180°, Box
EAN	4032248723775
Qty.	12 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	20
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	96.52 mm
L1 in inch	3.8 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

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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

Approvals

Approvals institutes	CSA; CURUS
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Classifications

eClass 6.0	27-26-07-08
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Notes

Notes

Similar products

Order No.	Part designation	Version
1014730000	BLF 5.08/02/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box

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1014980000	BLF 5.08/02/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box
1014740000	BLF 5.08/03/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box
1014990000	BLF 5.08/03/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box
1014750000	BLF 5.08/04/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 4, 180°, Box
1015010000	BLF 5.08/04/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 4, 180°, Box
1014760000	BLF 5.08/05/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box
1015020000	BLF 5.08/05/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box
1014770000	BLF 5.08/06/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box
1015030000	BLF 5.08/06/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box
1014780000	BLF 5.08/07/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box
1015040000	BLF 5.08/07/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box
1014790000	BLF 5.08/08/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box
1015050000	BLF 5.08/08/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box
1014810000	BLF 5.08/09/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 9, 180°, Box
1015060000	BLF 5.08/09/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 9, 180°, Box
1014820000	BLF 5.08/10/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 10, 180°, Box
1015070000	BLF 5.08/10/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 10, 180°, Box
1014830000	BLF 5.08/11/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 11, 180°, Box
1015080000	BLF 5.08/11/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 11, 180°, Box
1014840000	BLF 5.08/12/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 12, 180°, Box
1015090000	BLF 5.08/12/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 12, 180°, Box
1014850000	BLF 5.08/13/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 13, 180°, Box
1015100000	BLF 5.08/13/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 13, 180°, Box
1014860000	BLF 5.08/14/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 14, 180°, Box
1015110000	BLF 5.08/14/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 14, 180°, Box
1014870000	BLF 5.08/15/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 15, 180°, Box

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1015120000	BLF 5.08/15/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 15, 180°, Box
1014880000	BLF 5.08/16/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 16, 180°, Box
1015130000	BLF 5.08/16/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 16, 180°, Box
1014890000	BLF 5.08/17/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 17, 180°, Box
1015140000	BLF 5.08/17/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 17, 180°, Box
1014900000	BLF 5.08/18/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 18, 180°, Box
1015150000	BLF 5.08/18/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 18, 180°, Box
1014910000	BLF 5.08/19/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 19, 180°, Box
1015160000	BLF 5.08/19/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 19, 180°, Box
1014920000	BLF 5.08/20/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 20, 180°, Box
1014930000	BLF 5.08/21/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 21, 180°, Box
1015180000	BLF 5.08/21/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 21, 180°, Box
1014940000	BLF 5.08/22/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 22, 180°, Box
1015190000	BLF 5.08/22/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 22, 180°, Box
1014960000	BLF 5.08/23/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 23, 180°, Box
1015200000	BLF 5.08/23/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 23, 180°, Box
1014970000	BLF 5.08/24/180LH SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 24, 180°, Box
1015210000	BLF 5.08/24/180LH SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 24, 180°, Box