



#### General ordering data

Order No.	1001030000
Part designation	BLDF 5.08/04/180LR SN BK BX
Version	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 4, 180°, Box
EAN	4032248817382
Qty.	50 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	4
No. of rows	1
Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264
Stripping length	10 mm
L1 in mm	15.24 mm
L1 in inch	0.6 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

#### Connectable conductors

Clamping range, min.	0.13 mm <sup>2</sup>
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#### Connectable conductors

Clamping range, max.	3.31 mm <sup>2</sup>
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 <sup>2</sup>
Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Stranded, max. H07V-R	2 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>
Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min	0.2 mm <sup>2</sup>
with wire end ferrule, DIN 46228 pt 1, max.	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>
with plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>
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

#### Classifications

eClass 6.0 27-26-07-04

#### Notes

Notes

#### Similar products

Order No.	Part designation	Version
1001010000	BLDF 5.08/02/180LR SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box
1065130000	BLDF 5.08/02/180LR SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 2, 180°, Box

1001020000	BLDF 5.08/03/180LR SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box
1065140000	BLDF 5.08/03/180LR SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 3, 180°, Box
1001040000	BLDF 5.08/05/180LR SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box
1065160000	BLDF 5.08/05/180LR SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 5, 180°, Box
1001050000	BLDF 5.08/06/180LR SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box
1065170000	BLDF 5.08/06/180LR SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 6, 180°, Box
1001060000	BLDF 5.08/07/180LR SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box
1065180000	BLDF 5.08/07/180LR SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 7, 180°, Box
1001070000	BLDF 5.08/08/180LR SN BK BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box
1065190000	BLDF 5.08/08/180LR SN OR BX	PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm <sup>2</sup> , Pitch in mm: 5.08 mm, No. of poles: 8, 180°, Box