



General ordering data

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| Order No. | 1981980000 |
| Part designation | BLF 5.08/07/270 SN BK BX |
| Version | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5.08 mm, No. of poles: 7, 270°, Box |
| EAN | 4032248684670 |
| Qty. | 48 pc(s). |
| Packaging | Box |

System parameters

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|---|------------------------|
| Conductor connection system | PUSH IN |
| Outgoing direction of conductor | 270° |
| Pitch in mm | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 7 |
| No. of rows | 1 |
| Screwdriver blade | 0.6 x 3.5 |
| Screwdriver blade standard | DIN 5264 |
| Stripping length | 10 mm |
| L1 in mm | 30.48 mm |
| L1 in inch | 1.2 inch |
| Electric shock protection to DIN VDE 0470 | IP 20 |
| Electric shock protection to DIN VDE 57 106 | Safe from finger touch |

Material data

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|--------------------------|---------------------|
| 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

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| 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

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| 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

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| Approvals institutes | CSA; CURUS |
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Classifications

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| eClass 6.0 | 27-26-07-08 |
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Notes

Notes

Similar products

| Order No. | Part designation | Version |
|------------|--------------------------|---|
| 1981930000 | BLF 5.08/02/270 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, 270°, Box |

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| 1981940000 | BLF 5.08/03/270 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, 270°, Box |
| 1981950000 | BLF 5.08/04/270 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, 270°, Box |
| 1981960000 | BLF 5.08/05/270 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, 270°, Box |
| 1981970000 | BLF 5.08/06/270 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, 270°, Box |
| 1981990000 | BLF 5.08/08/270 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, 270°, Box |
| 1982000000 | BLF 5.08/09/270 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, 270°, Box |
| 1982010000 | BLF 5.08/10/270 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, 270°, Box |
| 1982020000 | BLF 5.08/11/270 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, 270°, Box |
| 1982030000 | BLF 5.08/12/270 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, 270°, Box |
| 1982040000 | BLF 5.08/13/270 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, 270°, Box |
| 1982050000 | BLF 5.08/14/270 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, 270°, Box |
| 1982060000 | BLF 5.08/15/270 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, 270°, Box |
| 1982070000 | BLF 5.08/16/270 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, 270°, Box |
| 1982080000 | BLF 5.08/17/270 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, 270°, Box |
| 1982090000 | BLF 5.08/18/270 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, 270°, Box |
| 1982100000 | BLF 5.08/19/270 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, 270°, Box |
| 1982110000 | BLF 5.08/20/270 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, 270°, Box |