



General ordering data

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| Order No. | 1017480000 |
| Part designation | BLF 5.00/07/180F SN OR BX |
| Version | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 7, 180°, Box |
| EAN | 4032248728053 |
| Qty. | 36 pc(s). |
| Packaging | Box |

System parameters

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| Conductor connection system | PUSH IN |
| Outgoing direction of conductor | 180° |
| Pitch in mm | 5 mm |
| Pitch in inch | 0.197 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 mm |
| L1 in inch | 1.182 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 | Orange |
| colour chart | Similar to RAL 2000 |
| 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 |

CSA rating data

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| Rated voltage (Use group B) | 300 V |
| Rated current (use group B) | 10 A |

UL 1059 rating data

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|-----------------------------|-------|
| Rated voltage (use group B) | 300 V |
| Rated current (use group B) | 10 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

Notes

Similar products

| Order No. | Part designation | Version |
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| 1017240000 | BLF 5.00/02/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 2, 180°, Box |
| 1017420000 | BLF 5.00/02/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 2, 180°, Box |
| 1017250000 | BLF 5.00/03/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 3, 180°, Box |
| 1017430000 | BLF 5.00/03/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 3, 180°, Box |
| 1017260000 | BLF 5.00/04/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 4, 180°, Box |
| 1017440000 | BLF 5.00/04/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 4, 180°, Box |
| 1017270000 | BLF 5.00/05/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 5, 180°, Box |
| 1017450000 | BLF 5.00/05/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 5, 180°, Box |
| 1017280000 | BLF 5.00/06/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 6, 180°, Box |
| 1017470000 | BLF 5.00/06/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 6, 180°, Box |
| 1017290000 | BLF 5.00/07/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 7, 180°, Box |
| 1017310000 | BLF 5.00/08/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 8, 180°, Box |
| 1017490000 | BLF 5.00/08/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 8, 180°, Box |
| 1017320000 | BLF 5.00/09/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 9, 180°, Box |
| 1017510000 | BLF 5.00/09/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 9, 180°, Box |
| 1017330000 | BLF 5.00/10/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 10, 180°, Box |
| 1017520000 | BLF 5.00/10/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 10, 180°, Box |
| 1017340000 | BLF 5.00/11/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 11, 180°, Box |
| 1017530000 | BLF 5.00/11/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 11, 180°, Box |
| 1017350000 | BLF 5.00/12/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 12, 180°, Box |
| 1017540000 | BLF 5.00/12/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 12, 180°, Box |
| 1017360000 | BLF 5.00/13/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 13, 180°, Box |

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| 1017550000 | BLF 5.00/13/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 13, 180°, Box |
| 1017370000 | BLF 5.00/14/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 14, 180°, Box |
| 1017570000 | BLF 5.00/14/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 14, 180°, Box |
| 1017380000 | BLF 5.00/15/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 15, 180°, Box |
| 1017590000 | BLF 5.00/15/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 15, 180°, Box |
| 1017390000 | BLF 5.00/16/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 16, 180°, Box |
| 1017600000 | BLF 5.00/16/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 16, 180°, Box |
| 1017400000 | BLF 5.00/17/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 17, 180°, Box |
| 1017610000 | BLF 5.00/17/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 17, 180°, Box |
| 1017410000 | BLF 5.00/18/180F SN BK BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 18, 180°, Box |
| 1017620000 | BLF 5.00/18/180F SN OR BX | PCB plug-in connector, PUSH IN, Clamping range, max.: 3.31 mm ² , Pitch in mm: 5 mm, No. of poles: 18, 180°, Box |