



General ordering data

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| Order No. | 1637420000 |
| Part designation | BLZ 5.00/9/90B SN SW |
| Version | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box |
| EAN | 4008190274665 |
| Qty. | 36 pc(s). |

System parameters

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| Conductor connection system | Clamping yoke connection |
| Outgoing direction of conductor | 90° |
| Pitch | 5 mm |
| Pitch in inch | 0.197 inch |
| No. of poles | 9 |
| No. of rows | 1 |
| Screwdriver blade | 0.6 x 3.5 |
| Screwdriver blade standard | DIN 5264 |
| Tightening torque, min. | 0.4 Nm |
| Tightening torque, max. | 0.5 Nm |
| Clamping screw | M 2.5 |
| Stripping length | 7 mm |
| L1 in mm | 40 mm |
| L1 in inch | 1.575 inch |
| Electric shock protection to DIN VDE 0470 | IP 20 |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

Material data

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|---------------------------|---------------------|
| Insulating material | PBT |
| Colour | black |
| colour chart | Similar to RAL 9011 |
| Insulating material group | IIIa |
| Flammability class UL 94 | V-0 |
| CTI | >= 200 |

Material data

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| Contact base material | Copper alloy |
| Contact surface | tinned |

Connectable conductors

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| Clamping range, min. | 0.13 mm ² |
| Clamping range, max. | 3.31 mm ² |
| AWG, min. | 26 |
| AWG, max. | 12 |
| Solid, min. H05(07) V-U | 0.5 mm ² |
| Solid, max. H05(07) V-U | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 2.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, max. | 2.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm ² |
| Gauge to EN 60999 a x b; ø | 2.8 mm x 2.0 mm; 2.4 mm |

DIN IEC rating data

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| Rated current, min. No. pins (Tu=20°C) | 15 A |
| Rated current, max. No. pins (Tu=20°C) | 12 A |
| Rated current, min. No. pins (Tu=40°C) | 12 A |
| Rated current, max. No. pins (Tu=40°C) | 10 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 for overvoltage class/pollution severity 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 D) | 300 V |
| Rated current (Use group D) | 10 A |
| AWG conductor (field wiring), min. | 26 |
| AWG conductor (field wiring), max. | 12 |

UL 1059 rating data

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| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A |
| AWG conductor, min. | 26 |
| AWG conductor, max. | 12 |

Approvals

Approvals institutes



Classifications

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|------------|-------------|
| ETIM 2.0 | NK |
| ETIM 3.0 | EC001284 |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |

Similar products

| Order No. | Part designation | Version |
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| 1637120000 | BLZ 5.00/2/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box |
| 1637350000 | BLZ 5.00/2/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 2, 90°, Box |
| 1637130000 | BLZ 5.00/3/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box |
| 1637360000 | BLZ 5.00/3/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 3, 90°, Box |
| 1637140000 | BLZ 5.00/4/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box |
| 1637370000 | BLZ 5.00/4/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 4, 90°, Box |
| 1637150000 | BLZ 5.00/5/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box |
| 1637380000 | BLZ 5.00/5/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 5, 90°, Box |
| 1637160000 | BLZ 5.00/6/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 6, 90°, Box |
| 1637170000 | BLZ 5.00/7/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 7, 90°, Box |
| 1637180000 | BLZ 5.00/8/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box |

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| 1637410000 | BLZ 5.00/8/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 8, 90°, Box |
| 1637190000 | BLZ 5.00/9/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 9, 90°, Box |
| 1637200000 | BLZ 5.00/10/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 1637430000 | BLZ 5.00/10/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 1637210000 | BLZ 5.00/11/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 1637440000 | BLZ 5.00/11/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 1637220000 | BLZ 5.00/12/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| 1637450000 | BLZ 5.00/12/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| 1637230000 | BLZ 5.00/13/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 13, 90°, Box |
| 1637240000 | BLZ 5.00/14/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 14, 90°, Box |
| 1637250000 | BLZ 5.00/15/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 15, 90°, Box |
| 1637260000 | BLZ 5.00/16/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 16, 90°, Box |
| 1637270000 | BLZ 5.00/17/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 17, 90°, Box |
| 1637280000 | BLZ 5.00/18/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 18, 90°, Box |
| 1637290000 | BLZ 5.00/19/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 19, 90°, Box |
| 1637300000 | BLZ 5.00/20/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 20, 90°, Box |
| 1637530000 | BLZ 5.00/20/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 20, 90°, Box |

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| 1637310000 | BLZ 5.00/21/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 21, 90°, Box |
| 1637540000 | BLZ 5.00/21/90B SN SW | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 21, 90°, Box |
| 1637320000 | BLZ 5.00/22/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 22, 90°, Box |
| 1637330000 | BLZ 5.00/23/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 23, 90°, Box |
| 1637340000 | BLZ 5.00/24/90B SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 5.00 mm, No. of poles: 24, 90°, Box |