



General ordering data

| | |
|------------------|---|
| Order No. | 1638350000 |
| Part designation | BLZ 5.00/10/270B 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: 10, 270°, Box |
| EAN | 4008190275617 |
| Qty. | 30 pc(s). |

System parameters

| | |
|---|--------------------------|
| Conductor connection system | Clamping yoke connection |
| Outgoing direction of conductor | 270° |
| Pitch | 5 mm |
| Pitch in inch | 0.197 inch |
| No. of poles | 10 |
| 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 | 45 mm |
| L1 in inch | 1.772 inch |
| Electric shock protection to DIN VDE 0470 | IP 20 |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

Material data

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

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

Connectable conductors

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

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

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

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

| | |
|------------|-------------|
| 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 |
|------------|-----------------------|---|
| 1638040000 | BLZ 5.00/2/270B 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, 270°, Box |
| 1638270000 | BLZ 5.00/2/270B 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, 270°, Box |
| 1638050000 | BLZ 5.00/3/270B 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, 270°, Box |
| 1638060000 | BLZ 5.00/4/270B 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, 270°, Box |
| 1638290000 | BLZ 5.00/4/270B 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, 270°, Box |
| 1638070000 | BLZ 5.00/5/270B 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, 270°, Box |
| 1638300000 | BLZ 5.00/5/270B 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, 270°, Box |
| 1638080000 | BLZ 5.00/6/270B 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, 270°, Box |
| 1638310000 | BLZ 5.00/6/270B 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: 6, 270°, Box |
| 1638090000 | BLZ 5.00/7/270B 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, 270°, Box |
| 1638320000 | BLZ 5.00/7/270B 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: 7, 270°, Box |

| | | |
|------------|------------------------|--|
| 1638100000 | BLZ 5.00/8/270B 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, 270°, Box |
| 1638330000 | BLZ 5.00/8/270B 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, 270°, Box |
| 1638110000 | BLZ 5.00/9/270B 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, 270°, Box |
| 1638340000 | BLZ 5.00/9/270B 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: 9, 270°, Box |
| 1638120000 | BLZ 5.00/10/270B 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, 270°, Box |
| 1638130000 | BLZ 5.00/11/270B 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, 270°, Box |
| 1638360000 | BLZ 5.00/11/270B 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, 270°, Box |
| 1638140000 | BLZ 5.00/12/270B 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, 270°, Box |
| 1638150000 | BLZ 5.00/13/270B 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, 270°, Box |
| 1638160000 | BLZ 5.00/14/270B 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, 270°, Box |
| 1638170000 | BLZ 5.00/15/270B 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, 270°, Box |
| 1638180000 | BLZ 5.00/16/270B 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, 270°, Box |
| 1638190000 | BLZ 5.00/17/270B 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, 270°, Box |
| 1638200000 | BLZ 5.00/18/270B 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, 270°, Box |
| 1638210000 | BLZ 5.00/19/270B 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, 270°, Box |
| 1638220000 | BLZ 5.00/20/270B 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, 270°, Box |
| 1638230000 | BLZ 5.00/21/270B 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, 270°, Box |

| | | |
|------------|------------------------|--|
| 1638240000 | BLZ 5.00/22/270B 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, 270°, Box |
| 1638250000 | BLZ 5.00/23/270B 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, 270°, Box |
| 1638260000 | BLZ 5.00/24/270B 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, 270°, Box |