



General ordering data

| | |
|------------------|---|
| Order No. | 1628000000 |
| Part designation | BLZ 7.50/10 SN OR |
| Version | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 10, 180°, Box |
| EAN | 4008190200800 |
| Qty. | 30 pc(s). |

System parameters

| | |
|---|--------------------------|
| Conductor connection system | Clamping yoke connection |
| Outgoing direction of conductor | 180° |
| Pitch | 7.5 mm |
| Pitch in inch | 0.295 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 | 67.5 mm |
| L1 in inch | 2.657 inch |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch |

Material data

| | |
|---------------------------|---------------------|
| Insulating material | PBT |
| Colour | orange |
| colour chart | Similar to RAL 2000 |
| Insulating material group | IIIa |
| Flammability class UL 94 | V-0 |
| CTI | >= 200 |
| Contact base material | Copper alloy |

Material data

| | |
|-----------------|--------|
| 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 | 0.2 mm ² |
| Solid, max. H05(07) V-U | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² |
| Flexible, max. H05(07) V-K | 2.5 mm ² |
| With wire end ferrule, acc. to DIN 46 228/1, min. | 0.2 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. | 0.2 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) | 18.5 A |
| Rated current, max. No. pins (Tu=20°C) | 17 A |
| Rated current, min. No. pins (Tu=40°C) | 15 A |
| Rated current, max. No. pins (Tu=40°C) | 14.5 A |
| Rated voltage for overvoltage class/pollution severity II/2 | 800 V |
| Rated voltage for overvoltage class/pollution severity III/2 | 630 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 500 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 6 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 6 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 6 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 |
|------------|------------------|---|
| 1627920000 | BLZ 7.50/2 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 2, 180°, Box |
| 1627930000 | BLZ 7.50/3 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 3, 180°, Box |
| 1627940000 | BLZ 7.50/4 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 4, 180°, Box |
| 1627950000 | BLZ 7.50/5 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 5, 180°, Box |
| 1627960000 | BLZ 7.50/6 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 6, 180°, Box |
| 1627970000 | BLZ 7.50/7 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 7, 180°, Box |
| 1627980000 | BLZ 7.50/8 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 8, 180°, Box |

| | | |
|------------|-------------------|--|
| 1627990000 | BLZ 7.50/9 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 9, 180°, Box |
| 1628010000 | BLZ 7.50/11 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 11, 180°, Box |
| 1628020000 | BLZ 7.50/12 SN OR | PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 3.31 mm ² , Pitch: 7.50 mm, No. of poles: 12, 180°, Box |