

**System pitch 5.08 mm (0.200 inch)
BLZP 5.08/02/90 SN BK BX**

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Socket connectors with clamping yoke screw connection for conductor connection with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2-2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

| | |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Order No. | 1948240000 |
| Part designation | BLZP 5.08/02/90 SN BK BX |
| Version | PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 90°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box |
| GTIN (EAN) | 4032248624768 |
| Qty. | 180 pc(s). |
| Packaging | Box |

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Technical data

System parameters

| | | | |
|--------------------------------------------------------------------|--------------------------|---------------------------------|----------|
| Conductor connection system | Clamping yoke connection | Outgoing direction of conductor | 90° |
| Pitch in mm | 5.08 mm | Pitch in inch | 0.2 inch |
| No. of poles | 2 | 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 | 5.08 mm | L1 in inch | 0.2 inch |
| Electric shock protection to DIN VDE 57 106 Safe from finger touch | | | |

Material data

| | | | |
|------------------------------------------------|---------------------|------------------------------------------------|--------------|
| Insulating material | PBT | Colour | black |
| colour chart | Similar to RAL 9011 | Flammability class UL 94 | V-0 |
| CTI | ≥ 200 | Contact material | Copper alloy |
| Contact surface | tinned | Highest continuous operating temperature, min. | -25 °C |
| Highest continuous operating temperature, max. | 100 °C | | |

Connectable conductors

| | | | |
|-------------------------------------------------|----------------------|---------------------------------------------------|---------------------|
| Clamping range, min. | 0.13 mm ² | Clamping range, max. | 4 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 | 4 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² | Flexible, max. H05(07) V-K | 4 mm ² |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.2 mm ² | with wire end ferrule, DIN 46228 pt 1, max. | 4 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 | 2.8 mm x 2.4 mm | | |

DIN IEC rating data

| | | | |
|--------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------|--------|
| Rated current, min. No. of poles (Tu=20°C) | 15.5 A | Rated current, max. No. of poles (Tu=20°C) | 13 A |
| Rated current, no. of poles (Tu=40°C), min. | 12 A | Rated current, no. of poles (Tu=40°C), max. | 10.5 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

| | | | |
|-------------------------------|--------|-------------------------------|--------|
| Rated voltage (Use group B) | 300 V | Rated current (use group B) | 10 A |
| Rated voltage (Use group C) | 50 V | Rated voltage (use group D) | 300 V |
| Rated current (use group D) | 10 A | Wire cross-section, AWG, min. | AWG 26 |
| Wire cross-section, AWG, max. | AWG 12 | | |

UL 1059 rating data

| | | | |
|-------------------------------|--------|-------------------------------|--------|
| Rated voltage (use group B) | 300 V | Rated current (use group B) | 10 A |
| Rated voltage (use group C) | 50 V | Rated voltage (use group D) | 300 V |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |

Datasheet

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Classifications

eClass 6.0 27-26-07-08

Notes

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Drawings