



General ordering data

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| Order No. | 1957850000 |
| Part designation | BLZP 5.00/20/90 SN OR BX |
| Version | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 20, 90°, Box |
| EAN | 4032248636983 |
| Qty. | 18 pc(s). |
| Packaging | Box |

System parameters

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|---------------------------------|--------------------------|
| Conductor connection system | Clamping yoke connection |
| Outgoing direction of conductor | 90° |
| Pitch in mm | 5 mm |
| Pitch in inch | 0.197 inch |
| No. of poles | 20 |
| No. of rows | 1 |
| Screwdriver blade | 0.6 x 3.5 |

System parameters

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|---|------------------------|
| 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 | 95 mm |
| L1 in inch | 3.74 inch |
| Electric shock protection to DIN VDE 57 106 | Safe from finger touch |

Material data

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| Insulating material | PBT |
| Colour | Orange |
| Flammability class UL 94 | V-0 |
| CTI | >= 200 |
| Contact material | Copper alloy |
| Contact surface | tinned |
| Contact base material | Copper alloy |

Connectable conductors

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

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| 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 |

DIN IEC rating data

CSA rating data

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

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

Approvals

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|----------------------|-------|
| Approvals institutes | CURUS |
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Classifications

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| eClass 6.0 | 27-26-07-08 |
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Notes

Notes

Similar products

| Order No. | Part designation | Version |
|------------|--------------------------|--|
| 1958300000 | BLZP 5.00/02/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 2, 90°, Box |
| 1958290000 | BLZP 5.00/03/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 3, 90°, Box |
| 1958280000 | BLZP 5.00/04/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 4, 90°, Box |
| 1958270000 | BLZP 5.00/05/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 5, 90°, Box |
| 1958260000 | BLZP 5.00/06/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 6, 90°, Box |
| 1958250000 | BLZP 5.00/07/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 7, 90°, Box |
| 1958230000 | BLZP 5.00/08/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 8, 90°, Box |
| 1958190000 | BLZP 5.00/09/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 9, 90°, Box |
| 1958160000 | BLZP 5.00/10/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 10, 90°, Box |

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| 1958130000 | BLZP 5.00/11/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 11, 90°, Box |
| 1958120000 | BLZP 5.00/12/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 12, 90°, Box |
| 1958090000 | BLZP 5.00/13/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 13, 90°, Box |
| 1958060000 | BLZP 5.00/14/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 14, 90°, Box |
| 1958040000 | BLZP 5.00/15/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 15, 90°, Box |
| 1957960000 | BLZP 5.00/16/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 16, 90°, Box |
| 1957910000 | BLZP 5.00/17/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 17, 90°, Box |
| 1957900000 | BLZP 5.00/18/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 18, 90°, Box |
| 1957880000 | BLZP 5.00/19/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 19, 90°, Box |
| 1957830000 | BLZP 5.00/21/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 21, 90°, Box |
| 1957820000 | BLZP 5.00/22/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 22, 90°, Box |
| 1957800000 | BLZP 5.00/23/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 23, 90°, Box |
| 1957780000 | BLZP 5.00/24/90 SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5 mm, No. of poles: 24, 90°, Box |