



General ordering data

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| Order No. | 1945820000 |
| Part designation | BLZP 5.08/09/225B SN OR BX |
| Version | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 9, 225°, Box |
| EAN | 4032248621293 |
| Qty. | 36 pc(s). |
| Packaging | Box |

System parameters

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|---------------------------------|--------------------------|
| Conductor connection system | Clamping yoke connection |
| Outgoing direction of conductor | 225° |
| Pitch in mm | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 9 |
| 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 | 40.64 mm |
| L1 in inch | 1.6 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) | 17.5 A |
| Rated current, max. No. of poles (Tu=20°C) | 14 A |
| Rated current, no. of poles (Tu=40°C), min. | 14 A |
| Rated current, no. of poles (Tu=40°C), max. | 12 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 |
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| 1946080000 | BLZP 5.08/12/225B SN BK BX | |
| 1945750000 | BLZP 5.08/02/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 2, 225°, Box |
| 1945760000 | BLZP 5.08/03/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 3, 225°, Box |
| 1945770000 | BLZP 5.08/04/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 4, 225°, Box |
| 1945780000 | BLZP 5.08/05/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 5, 225°, Box |
| 1945790000 | BLZP 5.08/06/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 6, 225°, Box |
| 1945800000 | BLZP 5.08/07/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 7, 225°, Box |
| 1945810000 | BLZP 5.08/08/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 8, 225°, Box |
| 1945830000 | BLZP 5.08/10/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 10, 225°, Box |

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| 1945840000 | BLZP 5.08/11/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 11, 225°, Box |
| 1945850000 | BLZP 5.08/12/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 12, 225°, Box |
| 1945860000 | BLZP 5.08/13/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 13, 225°, Box |
| 1945870000 | BLZP 5.08/14/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 14, 225°, Box |
| 1945880000 | BLZP 5.08/15/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 15, 225°, Box |
| 1945890000 | BLZP 5.08/16/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 16, 225°, Box |
| 1945900000 | BLZP 5.08/17/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 17, 225°, Box |
| 1945910000 | BLZP 5.08/18/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 18, 225°, Box |
| 1945920000 | BLZP 5.08/19/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 19, 225°, Box |
| 1945930000 | BLZP 5.08/20/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 20, 225°, Box |
| 1945940000 | BLZP 5.08/21/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 21, 225°, Box |
| 1945950000 | BLZP 5.08/22/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 22, 225°, Box |
| 1945960000 | BLZP 5.08/23/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 23, 225°, Box |
| 1945970000 | BLZP 5.08/24/225B SN OR BX | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 4 mm ² , Pitch in mm: 5.08 mm, No. of poles: 24, 225°, Box |