



General ordering data

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| Order No. | 1821530000 |
| Part designation | BVZ 7.62/03/180 SN BK BX |
| Version | PCB plug-in connector, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch in mm: 7.62 mm, No. of poles: 3, 180°, Box |
| EAN | 4032248321865 |
| Qty. | 100 pc(s). |
| Packaging | Box |

System parameters

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|---|--------------------------|
| Conductor connection system | Clamping yoke connection |
| Outgoing direction of conductor | 180° |
| Pitch in mm | 7.62 mm |
| Pitch in inch | 0.3 inch |
| No. of poles | 3 |
| No. of rows | 1 |
| Screwdriver blade | 0.6 x 3.5 |
| Screwdriver blade standard | DIN 5264 |
| Tightening torque, min. | 0.5 Nm |
| Tightening torque, max. | 0.6 Nm |
| Clamping screw | M 3 |
| Stripping length | 8 mm |
| L1 in mm | 15.24 mm |
| L1 in inch | 0.6 inch |
| Electric shock protection to DIN VDE 0470 | IP 20 |
| Electric shock protection to DIN VDE 57 106 | Safe from finger touch |

Material data

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|--------------------------|---------------------|
| Insulating material | PBT |
| Colour | black |
| colour chart | Similar to RAL 9011 |
| Flammability class UL 94 | V-0 |
| CTI | >= 200 |
| Contact material | Copper alloy |

Material data

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

Connectable conductors

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|---|-------------------------|
| Clamping range, min. | 0.2 mm ² |
| Clamping range, max. | 6 mm ² |
| Conductor connection cross-section AWG, min. | AWG 22 |
| Conductor connection cross-section AWG, max. | AWG 10 |
| Solid, min. H05(07) V-U | 0.2 mm ² |
| Solid, max. H05(07) V-U | 6 mm ² |
| Flexible, min. H05(07) V-K | 0.5 mm ² |
| Flexible, max. H05(07) V-K | 6 mm ² |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.25 mm ² |
| with wire end ferrule, DIN 46228 pt 1, max. | 6 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.25 mm ² |
| with plastic collar ferrule, DIN 46228 pt 4, max. | 4 mm ² |
| Gauge to EN 60999 a x b; ø | 2.8 mm x 2.0 mm; 2.4 mm |

DIN IEC rating data

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|--|-------------------|
| Rated current, min. No. of poles (Tu=20°C) | 41 A |
| Rated current, no. of poles (Tu=40°C), min. | 38 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 at overvoltage category/pollution degree 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 420 A |

CSA rating data

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|-------------------------------|--------|
| Rated voltage (Use group B) | 600 V |
| Rated current (use group B) | 31 A |
| Rated voltage (Use group C) | 600 V |
| Rated current (use group C) | 31 A |
| Rated voltage (use group D) | 600 V |
| Rated current (use group D) | 5 A |
| Wire cross-section, AWG, min. | AWG 22 |
| Wire cross-section, AWG, max. | AWG 10 |

UL 1059 rating data

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|-----------------------------|-------|
| Rated voltage (use group B) | 600 V |
| Rated current (use group B) | 31 A |
| Rated voltage (use group C) | 600 V |
| Rated current (use group C) | 31 A |
| Rated voltage (use group D) | 600 V |

UL 1059 rating data

| | |
|-------------------------------|--------|
| Rated current (use group D) | 5 A |
| Wire cross-section, AWG, min. | AWG 22 |
| Wire cross-section, AWG, max. | AWG 10 |

Approvals

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| Approvals institutes | CSA; CURUS; GOSTME25 |
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Classifications

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| ETIM30 | EC001284 |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |
| eClass 5.1 | 27-26-07-04 |
| eClass 6.0 | 27-26-07-04 |

Notes

Notes

Similar products

| Order No. | Part designation | Version |
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