



#### General ordering data

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 <sup>2</sup> , Pitch in mm: 7.62 mm, No. of poles: 3, 180°, Box
EAN	4032248321865
Qty.	100 pc(s).
Packaging	Box

#### System parameters

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

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

Contact surface	tinned
Contact base material	Copper alloy

#### Connectable conductors

Clamping range, min.	0.2 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
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 <sup>2</sup>
Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>
Flexible, max. H05(07) V-K	6 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min	0.25 mm <sup>2</sup>
with wire end ferrule, DIN 46228 pt 1, max.	6 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>
with plastic collar ferrule, DIN 46228 pt 4, max.	4 mm <sup>2</sup>
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. 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

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

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

Approvals institutes	CSA; CURUS; GOSTME25
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#### Classifications

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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