



General ordering data

Order No.	1821540000
Part designation	BVZ 7.62/04/180 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: 4, 180°, Box
EAN	4032248321872
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	4
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	22.86 mm
L1 in inch	0.9 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 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

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

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