



#### General ordering data

Order No.	1821600000
Part designation	BVZ 7.62/10 SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 10, 180°, Box
EAN	4032248321933
Qty.	50 pc(s).

#### System parameters

Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	180°
Pitch	7.62 mm
Pitch in inch	0.3 inch
No. of poles	10
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	68.58 mm
L1 in inch	2.7 inch
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

#### Material data

Insulating material	PBT
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 200

#### Material data

Contact base material	Copper alloy
Contact surface	tinned

#### Connectable conductors

Clamping range, min.	0.2 mm <sup>2</sup>
Clamping range, max.	6 mm <sup>2</sup>
AWG, min.	22
AWG, max.	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>
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm <sup>2</sup>
With wire end ferrule, acc. to DIN 46 228/1, max.	6 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm <sup>2</sup>
w. 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. pins (Tu=20°C)	41 A
Rated current, min. No. pins (Tu=40°C)	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 for overvoltage class/pollution severity 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

#### CSA rating data

Rated voltage (Use group D)	600 V
Rated current (Use group D)	5 A
AWG conductor (field wiring), min.	22
AWG conductor (field wiring), max.	10

#### UL 1059 rating data

Rated voltage (Use group D)	600 V
Rated current (Use group D)	5 A
AWG conductor, min.	22
AWG conductor, max.	10

### Approvals

Approvals institutes



### Classifications

ETIM 2.0	NK
ETIM 3.0	EC001284
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

### Similar products

Order No.	Part designation	Version
1821520000	BVZ 7.62/02 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 2, 180°, Box
1821530000	BVZ 7.62/03 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 3, 180°, Box
1821540000	BVZ 7.62/04 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 4, 180°, Box
1821550000	BVZ 7.62/05 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 5, 180°, Box
1821560000	BVZ 7.62/06 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 6, 180°, Box
1821570000	BVZ 7.62/07 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 7, 180°, Box
1821580000	BVZ 7.62/08 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 8, 180°, Box
1821590000	BVZ 7.62/09 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 9, 180°, Box

1821610000	BVZ 7.62/11 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 11, 180°, Box
1821620000	BVZ 7.62/12 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm <sup>2</sup> , Pitch: 7.62 mm, No. of poles: 12, 180°, Box