





General ordering data	
Order No.	1821530000
Part designation	BVZ 7.62/03 SW
Version	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm², Pitch: 7.62 mm, No. of poles: 3, 180°, Box
EAN	4032248321865
Qty.	100 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	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 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
Contact base material	Copper alloy

Material data	
Contact surface	tinned

Connectable conductors	
Clamping range, min.	0.2 mm²
Clamping range, max.	6 mm²
AWG, min.	22
AWG, max.	10
Solid, min. H05(07) V-U	0.2 mm²
Solid, max. H05(07) V-U	6 mm²
Flexible, min. H05(07) V-K	0.5 mm²
Flexible, max. H05(07) V-K	6 mm²
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm²
With wire end ferrule, acc. to DIN 46 228/1, max.	6 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm²
w. plastic collar ferrule, DIN 46228 pt 4, max.	4 mm²
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 mm², Pitch: 7.62 mm, No. of poles: 2, 180°, Box
1821540000	BVZ 7.62/04 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm², 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 mm², 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 mm², 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 mm², 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 mm², 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 mm², Pitch: 7.62 mm, No. of poles: 9, 180°, Box
1821600000	BVZ 7.62/10 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm², Pitch: 7.62 mm, No. of poles: 10, 180°, Box

1821610000	BVZ 7.62/11 SW	PCB plug-in connector, Female connectors, Clamping yoke connection, Clamping range, max.: 6 mm², 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 mm², Pitch: 7.62 mm, No. of poles: 12, 180°, Box