



General ordering data

Order No.	1853250000
Part designation	BVZF 7.62/08SF SW
Version	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 8, 180°, Box
EAN	4032248387977
Qty.	50 pc(s).

System parameters

Conductor connection system	Tension clamp connection
Outgoing direction of conductor	180°
Pitch	7.62 mm
Pitch in inch	0.3 inch
No. of poles	8
No. of rows	1
Screwdriver blade	0.8 x 4.0
Screwdriver blade standard	DIN 5264-A
Clamping screw	M 2.5
Stripping length	8 mm
L1 in mm	53.34 mm
L1 in inch	2.1 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
Contact surface	tinned

Connectable conductors

Clamping range, min.	0.2 mm ²
Clamping range, max.	6 mm ²
AWG, min.	22
AWG, max.	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
With wire end ferrule, acc. to DIN 46 228/1, min.	0.25 mm ²
With wire end ferrule, acc. to DIN 46 228/1, max.	4 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²
w. 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. pins (Tu=20°C)	38 A
Rated current, max. No. pins (Tu=20°C)	31 A
Rated current, min. No. pins (Tu=40°C)	33 A
Rated current, max. No. pins (Tu=40°C)	27 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
Short-time withstand current resistance	3 x 1s with 420 A

CSA rating data

Rated voltage (Use group C)	300 V
Rated current (Use group C)	27 A
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 C)	300 V
Rated current (Use group C)	27 A
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
1853210000	BVZF 7.62/04SF SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 4, 180°, Box
1853220000	BVZF 7.62/05SF SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 5, 180°, Box
1853230000	BVZF 7.62/06SF SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 6, 180°, Box
1853240000	BVZF 7.62/07SF SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 7, 180°, Box
1853260000	BVZF 7.62/09SF SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 9, 180°, Box
1853270000	BVZF 7.62/10SF SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 10, 180°, Box
1853280000	BVZF 7.62/11SF SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 11, 180°, Box
1853290000	BVZF 7.62/12SF SW	PCB plug-in connector, Female connectors, Tension clamp connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 12, 180°, Box