



General ordering data

Order No.	1951170000
Part designation	SVZ 7.62HP/05SH180C SN SW
Version	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 5, 180°, Box
EAN	4032248630141
Qty.	25 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	5
No. of rows	1
Screwdriver blade	0.8 x 4.0
Screwdriver blade standard	DIN 5264-A
Tightening torque, min.	0.5 Nm
Tightening torque, max.	0.6 Nm
Clamping screw	M 3
Stripping length	12 mm
L1 in mm	30.48 mm
L1 in inch	1.2 inch
Electric shock protection to DIN VDE 0470	IP20 plugged
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulating material	PA GF
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	I
Flammability class UL 94	V-0
CTI	≥ 600
Contact base material	Copper alloy

Material data

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.	6 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	6 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)	41 A
Rated current, max. No. pins (Tu=20°C)	41 A
Rated current, min. No. pins (Tu=40°C)	41 A
Rated current, max. No. pins (Tu=40°C)	41 A
Rated voltage for overvoltage class/pollution severity II/2	1,000 V
Rated voltage for overvoltage class/pollution severity III/2	1,000 V
Rated voltage for overvoltage class/pollution severity III/3	800 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	8 kV
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	8 kV

CSA rating data

Rated voltage (Use group C)	600 V
Rated current (Use group C)	35 A
AWG conductor (field wiring), min.	24
AWG conductor (field wiring), max.	10

UL 1059 rating data

Rated voltage (Use group C)	600 V
Rated current (Use group C)	35 A
AWG conductor, min.	24
AWG conductor, max.	10

Classifications

eClass 5.1 27-26-07-04

Similar products

Order No.	Part designation	Version
1951150000	SVZ 7.62HP/03SH180C SN SW	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 3, 180°, Box
1951160000	SVZ 7.62HP/04SH180C SN SW	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 4, 180°, Box
1951180000	SVZ 7.62HP/06SH180C SN SW	PCB plug-in connector, Male connectors, Clamping yoke connection, Clamping range, max.: 6 mm ² , Pitch: 7.62 mm, No. of poles: 6, 180°, Box