



General ordering data

Order No.	1822590000
Part designation	SV 7.62/08/180G 3.5 SW
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 8, 180°, Box
EAN	4032248323951
Qty.	50 pc(s).

System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	180°
Pitch	7.62 mm
Pitch in inch	0.3 inch
No. of poles	8
Solder pin length	3.5 mm
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	53.34 mm
L1 in inch	2.1 inch
Insulation resistance	1 MΩ

Material data

Insulating material	PBT GF
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Material data

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
Constant operating temp., min.	-25 °C
Constant operating temp., max.	100
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	41 A
Rated current, max. No. pins (Tu=20°C)	38 A
Rated current, min. No. pins (Tu=40°C)	38 A
Rated current, max. No. pins (Tu=40°C)	31 A
Rated voltage for overvoltage class/pollution severity III/3	500 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	6 kV
Rated voltage for overvoltage class/pollution severity III/2	630 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	6 kV
Rated voltage for overvoltage class/pollution severity II/2	800 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	6 kV

CSA rating data

Rated voltage (Use group C)	300 V
Rated current (Use group C)	31 A
Rated voltage (Use group D)	600 V
Rated current (Use group D)	5 A

UL 1059 rating data

Rated voltage (Use group C)	300 V
Rated current (Use group C)	31 A
Rated voltage (Use group D)	600 V
Rated current (Use group D)	5 A

Approvals

Approvals institutes



Downloads

CAD Library (P-CAD Format - Standard) SV.LIB

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
1822530000	SV 7.62/02/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 2, 180°, Box
1822540000	SV 7.62/03/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 3, 180°, Box
1822550000	SV 7.62/04/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 4, 180°, Box
1822560000	SV 7.62/05/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 5, 180°, Box
1822570000	SV 7.62/06/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 6, 180°, Box
1822580000	SV 7.62/07/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 7, 180°, Box
1822600000	SV 7.62/09/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 9, 180°, Box
1822610000	SV 7.62/10/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 10, 180°, Box
1822620000	SV 7.62/11/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 11, 180°, Box
1822630000	SV 7.62/12/180G 3.5 SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 12, 180°, Box