



General ordering data

Order No.	1822530000
Part designation	SV 7.62/02/180G 3.5 SW
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.62 mm, No. of poles: 2, 180°, Box
EAN	4032248323593
Qty.	100 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	2
Solder pin length	3.5 mm
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	7.62 mm
L1 in inch	0.3 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



Classifications

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
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