



General ordering data

Order No.	1822540000
Part designation	SV 7.62/03/180G 3.5SN BK BX
Version	PCB plug-in connector, Solder connection, Pitch in mm: 7.62 mm, No. of poles: 3, 180°, Box
EAN	4032248323609
Qty.	100 pc(s).
Packaging	Box

System parameters

Fitted to PCB	Solder connection
Outgoing elbow	180°
Pitch in mm	7.62 mm
Pitch in inch	0.3 inch
No. of poles	3
Solder pin length	3.5 mm
Can be coded	Yes
No. of rows	1
Number of solder pins per pole	2
Diameter of fixing-hole	1.3 mm
Fitting hole tolerance	+ 0,1 mm
L1 in mm	15.24 mm
L1 in inch	0.6 inch
Insulation resistance	$10^3 \Omega$
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 57 106	Safe from finger touch, plugged

Material data

Insulating material	PBT GF
Colour	black
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	≥ 200
Contact material	Copper alloy
Contact surface	tinned

Material data

Highest continuous operating temperature, min.	-25 °C
Highest continuous operating temperature, max.	100 °C
Max. relative humidity during storage	80 %

DIN IEC rating data

Rated current, min. No. of poles (Tu=20°C)	41 A
Rated current, max. No. of poles (Tu=20°C)	38 A
Rated current, no. of poles (Tu=40°C), min.	38 A
Rated current, no. of poles (Tu=40°C), max.	31 A
Rated voltage at overvoltage category/pollution degree 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
Short-time withstand current resistance	3 x 1s with 360 A

CSA rating data

Rated voltage (Use group B)	300 V
Rated current (use group B)	31 A
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 B)	300 V
Rated current (use group B)	31 A
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	CSA; CURUS; GOSTME25
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Downloads

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

Classifications

ETIM30	EC001284
eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

Classifications

eClass 6.0

27-26-07-04

Notes

Notes

Similar products

Order No.	Part designation	Version
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