



General ordering data

Order No.	1807500000
Part designation	S2L-SMT3.5/12/90G 3.2SN
Version	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Tape
EAN	4032248278794
Qty.	235 pc(s).

System parameters

Fitted to PCB	Reflow solder connection
Outgoing elbow	90°
Pitch	3.5 mm
Pitch in inch	0.138 inch
No. of poles	12
Solder pin length	3.2 mm
Can be coded	Yes
No. of rows	2

System parameters

No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	17.5 mm
L1 in inch	0.689 inch
Electric shock protection to DIN VDE 0470	IP 10
Electric shock protection to DIN VDE 0470	Safe from back-of-hand touch

Material data

Insulating material	LCP GF
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	IIIb
Flammability class UL 94	V-0
CTI	≥ 175
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
Max. relative humidity during storage	93 %

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	10 A
Rated current, max. No. pins (Tu=20°C)	10 A
Rated current, min. No. pins (Tu=40°C)	9 A
Rated current, max. No. pins (Tu=40°C)	8.5 A
Rated voltage for overvoltage class/pollution severity III/3	50 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
Rated voltage for overvoltage class/pollution severity III/2	125 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	1.5 kV
Rated voltage for overvoltage class/pollution severity II/2	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	1.5 kV
Short-time withstand current resistance	3 x 1s with 77 A

CSA rating data

Rated voltage (Use group D)	50 V
Rated current (Use group D)	5 A

UL 1059 rating data

Rated voltage (Use group D)	150 V
Rated current (Use group D)	10 A

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	27-26-07-01

Similar products

Order No.	Part designation	Version
1807470000	S2L-SMT3.5/6/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Tape
1807480000	S2L-SMT3.5/8/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Tape
1807490000	S2L-SMT3.5/10/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Tape
1807510000	S2L-SMT3.5/14/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Tape
1807520000	S2L-SMT3.5/16/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Tape
1807530000	S2L-SMT3.5/18/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Tape
1807540000	S2L-SMT3.5/20/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Tape
1807550000	S2L-SMT3.5/22/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Tape
1802190000	S2L-SMT3.5/24/90G 3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Tape