



General ordering data

Order No.	1862510000
Part designation	SL-SMT3.81/6/90G3.2SN
Version	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box
EAN	4032248427642
Qty.	50 pc(s).

System parameters

Fitted to PCB	Reflow solder connection
Outgoing elbow	90°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	6
Solder pin length	3.2 mm
Can be coded	Yes
No. of rows	1
No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	19.05 mm
L1 in inch	0.75 inch
Insulation resistance	1 MΩ
Electric shock protection to DIN VDE 0470	IP 20
Electric shock protection to DIN VDE 0470	Safe from finger touch

Material data

Insulating material	LCP GF
Colour	black
colour chart	Similar to RAL 9011
Insulating material group	IIIa
Flammability class UL 94	V-0
CTI	>= 175
Contact base material	Copper alloy

Material data

Contact surface	tinned
Constant operating temp., min.	-25 °C
Constant operating temp., max.	120 °C
Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C
Max. relative humidity during storage	85 %

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	16 A
Rated current, min. No. pins(Tu=40°C)	14 A
Rated voltage for overvoltage class/pollution severity III/3	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/3	2.5 kV
Rated voltage for overvoltage class/pollution severity III/2	160 V
Rated impulse withstand voltage for overvoltage class/pollution severity III/2	2.5 kV
Rated voltage for overvoltage class/pollution severity II/2	320 V
Rated impulse withstand voltage for overvoltage class/pollution severity II/2	2.5 kV
Short-time withstand current resistance	3 x 1s with 76 A

CSA rating data

Rated voltage (Use group D)	300 V
Rated current (Use group D)	10 A

UL 1059 rating data

Rated voltage (Use group D)	300 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	27-26-07-04

Classifications

Similar products

Order No.	Part designation	Version
1862960000	SL-SMT3.81/2/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 90°, Box
1862460000	SL-SMT3.81/2/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 90°, Box
1862970000	SL-SMT3.81/3/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 90°, Box
1862480000	SL-SMT3.81/3/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 90°, Box
1862980000	SL-SMT3.81/4/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1862490000	SL-SMT3.81/4/90G3.2N	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1863000000	SL-SMT3.81/6/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1862990000	SL-SMT3.81/5/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 90°, Box
1862500000	SL-SMT3.81/5/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 90°, Box
1863040000	SL-SMT3.81/7/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 90°, Box
1862520000	SL-SMT3.81/7/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 90°, Box
1863050000	SL-SMT3.81/8/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1862530000	SL-SMT3.81/8/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1863060000	SL-SMT3.81/9/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 9, 90°, Box
1862540000	SL-SMT3.81/9/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 9, 90°, Box
1863070000	SL-SMT3.81/10/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1862550000	SL-SMT3.81/10/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1863080000	SL-SMT3.81/11/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 11, 90°, Box
1862570000	SL-SMT3.81/11/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 11, 90°, Box
1863090000	SL-SMT3.81/12/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1862730000	SL-SMT3.81/12/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1863100000	SL-SMT3.81/13/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 13, 90°, Box

1862740000	SL-SMT3.81/13/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 13, 90°, Box
1863110000	SL-SMT3.81/14/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1862760000	SL-SMT3.81/14/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1863120000	SL-SMT3.81/15/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 15, 90°, Box
1862780000	SL-SMT3.81/15/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 15, 90°, Box
1863130000	SL-SMT3.81/16/90G1.5SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1862800000	SL-SMT3.81/16/90G3.2SN	PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box