



General ordering data

Order No.	1973800000
Part designation	SCD-THR 3.81/18/90G 3.2 SN SW
Version	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
EAN	4032248683314
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	18
Solder pin length	1.5 mm
Can be coded	Yes
No. of rows	2
No. of solder pins per pole	1
Dia. of fitting hole	1.3 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	30.48 mm
L1 in inch	1.2 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	orange
colour chart	Similar to RAL 2000
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)	12.5 A
Rated current, min. No. pins(Tu=40°C)	12.5 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

Classifications

eClass 5.1	27-26-07-04
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Similar products

Order No.	Part designation	Version
1973730000	SCD-THR 3.81/04/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1974030000	SCD-THR 3.81/04/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1973880000	SCD-THR 3.81/04/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1973740000	SCD-THR 3.81/06/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1974040000	SCD-THR 3.81/06/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box

1973890000	SCD-THR 3.81/06/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1973750000	SCD-THR 3.81/08/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1974050000	SCD-THR 3.81/08/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1973900000	SCD-THR 3.81/08/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1973760000	SCD-THR 3.81/10/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1974060000	SCD-THR 3.81/10/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1973910000	SCD-THR 3.81/10/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1973770000	SCD-THR 3.81/12/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1974070000	SCD-THR 3.81/12/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1973920000	SCD-THR 3.81/12/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1973780000	SCD-THR 3.81/14/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1974080000	SCD-THR 3.81/14/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1973930000	SCD-THR 3.81/14/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1973790000	SCD-THR 3.81/16/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1974090000	SCD-THR 3.81/16/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1973940000	SCD-THR 3.81/16/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1974100000	SCD-THR 3.81/18/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
1973950000	SCD-THR 3.81/18/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
1973810000	SCD-THR 3.81/20/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
1974110000	SCD-THR 3.81/20/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
1973960000	SCD-THR 3.81/20/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
1973820000	SCD-THR 3.81/22/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1974120000	SCD-THR 3.81/22/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1973970000	SCD-THR 3.81/22/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1973830000	SCD-THR 3.81/24/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box
1974130000	SCD-THR 3.81/24/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box

1973980000	SCD-THR 3.81/24/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box
1973840000	SCD-THR 3.81/26/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1974140000	SCD-THR 3.81/26/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1973990000	SCD-THR 3.81/26/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1973850000	SCD-THR 3.81/28/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1974150000	SCD-THR 3.81/28/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1974000000	SCD-THR 3.81/28/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1973860000	SCD-THR 3.81/30/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1974160000	SCD-THR 3.81/30/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1974010000	SCD-THR 3.81/30/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1973870000	SCD-THR 3.81/32/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box
1974170000	SCD-THR 3.81/32/90G 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box
1974020000	SCD-THR 3.81/32/90G 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box