



#### General ordering data

Order No.	1973810000
Part designation	SCD-THR 3.81/20/90G 3.2 SN SW
Version	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
EAN	4032248683321
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	20
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	34.29 mm
L1 in inch	1.35 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
1973800000	SCD-THR 3.81/18/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 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
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