



#### General ordering data

Order No.	1974290000
Part designation	SCD-THR 3.81/20/90F 3.2 SN SW
Version	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
EAN	4032248683772
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
1974180000	SCD-THR 3.81/04/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1974830000	SCD-THR 3.81/04/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1974510000	SCD-THR 3.81/04/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1974190000	SCD-THR 3.81/06/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1974870000	SCD-THR 3.81/06/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box

1974540000	SCD-THR 3.81/06/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1974200000	SCD-THR 3.81/08/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1974900000	SCD-THR 3.81/08/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1974570000	SCD-THR 3.81/08/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1974210000	SCD-THR 3.81/10/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1974920000	SCD-THR 3.81/10/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1974620000	SCD-THR 3.81/10/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1974220000	SCD-THR 3.81/12/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1974950000	SCD-THR 3.81/12/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1974630000	SCD-THR 3.81/12/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1974230000	SCD-THR 3.81/14/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1974980000	SCD-THR 3.81/14/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1974640000	SCD-THR 3.81/14/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1974240000	SCD-THR 3.81/16/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1974990000	SCD-THR 3.81/16/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1974650000	SCD-THR 3.81/16/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1974250000	SCD-THR 3.81/18/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
1975010000	SCD-THR 3.81/18/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
1974660000	SCD-THR 3.81/18/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
1975040000	SCD-THR 3.81/20/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
1974680000	SCD-THR 3.81/20/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
1974310000	SCD-THR 3.81/22/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1975090000	SCD-THR 3.81/22/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1974700000	SCD-THR 3.81/22/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1974330000	SCD-THR 3.81/24/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box
1975110000	SCD-THR 3.81/24/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box

1974720000	SCD-THR 3.81/24/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box
1974350000	SCD-THR 3.81/26/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1975130000	SCD-THR 3.81/26/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1974740000	SCD-THR 3.81/26/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1974440000	SCD-THR 3.81/28/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1975140000	SCD-THR 3.81/28/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1974760000	SCD-THR 3.81/28/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1974470000	SCD-THR 3.81/30/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1975170000	SCD-THR 3.81/30/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1974790000	SCD-THR 3.81/30/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1974490000	SCD-THR 3.81/32/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box
1975190000	SCD-THR 3.81/32/90F 1.5 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box
1974810000	SCD-THR 3.81/32/90F 1.5 SN GN	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box