



General ordering data

Order No.	1974250000
Part designation	SCD-THR 3.81/18/90F 3.2 SN SW
Version	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
EAN	4032248683765
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
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
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
1974290000	SCD-THR 3.81/20/90F 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 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