



General ordering data

Order No.	1972820000
Part designation	SCD 3.81/10/90G 3.2 SN OR
Version	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
EAN	4032248682393
Qty.	50 pc(s).

System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	90°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	10
Solder pin length	3.2 mm
Can be coded	Yes
No. of rows	2
No. of solder pins per pole	1
Dia. of fitting hole	1.2 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	15.24 mm
L1 in inch	0.6 inch
Insulation resistance	1,000 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	PA GF
Colour	orange
colour chart	Similar to RAL 2000
Insulating material group	II
Flammability class UL 94	V-0
CTI	>= 475
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	93 %

DIN IEC rating data

Rated current, min. No. pins (Tu=20°C)	17.5 A
Rated current, min. No. pins (Tu=40°C)	17 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
1972790000	SCD 3.81/04/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1973100000	SCD 3.81/04/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1972940000	SCD 3.81/04/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box
1972800000	SCD 3.81/06/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1973110000	SCD 3.81/06/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box

1972950000	SCD 3.81/06/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box
1972810000	SCD 3.81/08/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1973120000	SCD 3.81/08/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1972960000	SCD 3.81/08/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box
1973130000	SCD 3.81/10/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1972970000	SCD 3.81/10/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
1972830000	SCD 3.81/12/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1973140000	SCD 3.81/12/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1972990000	SCD 3.81/12/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box
1972840000	SCD 3.81/14/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1973150000	SCD 3.81/14/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1973000000	SCD 3.81/14/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box
1972850000	SCD 3.81/16/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1973160000	SCD 3.81/16/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1973010000	SCD 3.81/16/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box
1972860000	SCD 3.81/18/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
1973170000	SCD 3.81/18/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
1973020000	SCD 3.81/18/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box
1972870000	SCD 3.81/20/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
1973180000	SCD 3.81/20/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
1973030000	SCD 3.81/20/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box
1972880000	SCD 3.81/22/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1973200000	SCD 3.81/22/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1973040000	SCD 3.81/22/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box
1972890000	SCD 3.81/24/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box
1973210000	SCD 3.81/24/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box

1973050000	SCD 3.81/24/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box
1972900000	SCD 3.81/26/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1973220000	SCD 3.81/26/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1973060000	SCD 3.81/26/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box
1972910000	SCD 3.81/28/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1973230000	SCD 3.81/28/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1973070000	SCD 3.81/28/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box
1972920000	SCD 3.81/30/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1973240000	SCD 3.81/30/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1973080000	SCD 3.81/30/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box
1972930000	SCD 3.81/32/90G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box
1973250000	SCD 3.81/32/90G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box
1973090000	SCD 3.81/32/90G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box