



#### General ordering data

Order No.	1973130000
Part designation	SCD 3.81/10/90G 3.2 SN SW
Version	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box
EAN	4032248682690
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	black
colour chart	Similar to RAL 9011
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
1972820000	SCD 3.81/10/90G 3.2 SN OR	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