



#### General ordering data

Order No.	1975720000
Part designation	SC 3.81/02/135G 3.2 SN OR
Version	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 135°, Box
EAN	4032248684144
Qty.	50 pc(s).

#### System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	135°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	2
Solder pin length	3.2 mm
Can be coded	Yes
No. of rows	1
No. of solder pins per pole	1
Dia. of fitting hole	1.2 mm
Fitting hole tolerance	+ 0.1 mm
L1 in mm	3.81 mm
L1 in inch	0.15 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)	17.5 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

#### Approvals

Approvals institutes



#### Classifications

eClass 5.1	27-26-07-04
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#### Similar products

Order No.	Part designation	Version
1976380000	SC 3.81/02/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 135°, Box
1976010000	SC 3.81/02/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 135°, Box

1975770000	SC 3.81/03/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 135°, Box
1976400000	SC 3.81/03/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 135°, Box
1976020000	SC 3.81/03/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 135°, Box
1975800000	SC 3.81/04/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 135°, Box
1976420000	SC 3.81/04/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 135°, Box
1976030000	SC 3.81/04/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 135°, Box
1975810000	SC 3.81/05/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 135°, Box
1976450000	SC 3.81/05/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 135°, Box
1976040000	SC 3.81/05/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 135°, Box
1975880000	SC 3.81/06/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 135°, Box
1976460000	SC 3.81/06/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 135°, Box
1976060000	SC 3.81/06/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 135°, Box
1975900000	SC 3.81/07/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 135°, Box
1976510000	SC 3.81/07/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 135°, Box
1976090000	SC 3.81/07/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 135°, Box
1975920000	SC 3.81/08/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 135°, Box
1976540000	SC 3.81/08/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 135°, Box
1976140000	SC 3.81/08/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 135°, Box
1976560000	SC 3.81/09/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 135°, Box
1975930000	SC 3.81/09/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 135°, Box
1976160000	SC 3.81/09/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 135°, Box
1975940000	SC 3.81/10/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 135°, Box
1976600000	SC 3.81/10/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 135°, Box
1976180000	SC 3.81/10/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 135°, Box
1975950000	SC 3.81/11/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 135°, Box
1976630000	SC 3.81/11/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 135°, Box

1976210000	SC 3.81/11/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 135°, Box
1975960000	SC 3.81/12/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 135°, Box
1976660000	SC 3.81/12/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 135°, Box
1976230000	SC 3.81/12/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 135°, Box
1975970000	SC 3.81/13/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 135°, Box
1976700000	SC 3.81/13/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 135°, Box
1976250000	SC 3.81/13/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 135°, Box
1975980000	SC 3.81/14/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 135°, Box
1976710000	SC 3.81/14/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 135°, Box
1976290000	SC 3.81/14/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 135°, Box
1975990000	SC 3.81/15/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 135°, Box
1976720000	SC 3.81/15/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 135°, Box
1976320000	SC 3.81/15/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 135°, Box
1976000000	SC 3.81/16/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 135°, Box
1976730000	SC 3.81/16/135G 3.2 SN SW	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 135°, Box
1976340000	SC 3.81/16/135G 3.2 SN GN	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 135°, Box