



General ordering data

Order No.	1976540000
Part designation	SC 3.81/08/135G 3.2 SN SW
Version	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 135°, Box
EAN	4032248683079
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	8
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	26.67 mm
L1 in inch	1.05 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)	17.5 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
1975720000	SC 3.81/02/135G 3.2 SN OR	Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 135°, Box
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
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