



General ordering data

Order No.	1793690000
Part designation	SC 3.81/16/180G3.2SN GN
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
EAN	4032248230815
Qty.	50 pc(s).

System parameters

Fitted to PCB	Soldered connection
Outgoing elbow	180°
Pitch	3.81 mm
Pitch in inch	0.15 inch
No. of poles	16
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	57.12 mm
L1 in inch	2.25 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	Pale green
colour chart	Similar to RAL 6021
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

ETIM 2.0	NK
ETIM 3.0	EC001284

Classifications

eClass 4.1	27-26-07-01
eClass 5.0	27-26-07-01
eClass 5.1	27-26-07-04

Similar products

Order No.	Part designation	Version
1942840000	SC 3.81/2/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1793520000	SC 3.81/2/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1793610000	SC 3.81/2/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1942850000	SC 3.81/3/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1793530000	SC 3.81/3/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1793620000	SC 3.81/3/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1942860000	SC 3.81/4/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1793540000	SC 3.81/4/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1793630000	SC 3.81/4/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1942870000	SC 3.81/5/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1793550000	SC 3.81/5/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1793640000	SC 3.81/5/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1942880000	SC 3.81/6/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1793560000	SC 3.81/6/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1793650000	SC 3.81/6/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1942890000	SC 3.81/7/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1871490000	SC 3.81/7/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1871480000	SC 3.81/7/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1942900000	SC 3.81/8/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1793570000	SC 3.81/8/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1793660000	SC 3.81/8/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box

1942910000	SC 3.81/9/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1871470000	SC 3.81/9/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1871450000	SC 3.81/9/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1942920000	SC 3.81/10/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1793580000	SC 3.81/10/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1793670000	SC 3.81/10/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1942930000	SC 3.81/11/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1943100000	SC 3.81/11/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1943030000	SC 3.81/11/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1942940000	SC 3.81/12/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1793590000	SC 3.81/12/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1793680000	SC 3.81/12/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1942950000	SC 3.81/13/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1943110000	SC 3.81/13/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1943040000	SC 3.81/13/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1942960000	SC 3.81/14/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1943120000	SC 3.81/14/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1821000000	SC 3.81/14/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1942970000	SC 3.81/15/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1943130000	SC 3.81/15/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1943050000	SC 3.81/15/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1942980000	SC 3.81/16/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1793600000	SC 3.81/16/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1942990000	SC 3.81/17/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1943140000	SC 3.81/17/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1943060000	SC 3.81/17/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box

1943000000	SC 3.81/18/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943150000	SC 3.81/18/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943070000	SC 3.81/18/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943010000	SC 3.81/19/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1943160000	SC 3.81/19/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1943080000	SC 3.81/19/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1943020000	SC 3.81/20/180G3.2SN OR	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1943170000	SC 3.81/20/180G3.2SN SW	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1943090000	SC 3.81/20/180G3.2SN GN	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box