



#### General ordering data

Order No.	1793590000
Part designation	SC 3.81/12/180G 3.2SN BK BX
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
EAN	4032248230716
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	12
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	41.91 mm
L1 in inch	1.65 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 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 3.81/02/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box

1793520000	SC 3.81/02/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1793610000	SC 3.81/02/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1942850000	SC 3.81/03/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1793530000	SC 3.81/03/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1793620000	SC 3.81/03/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1942860000	SC 3.81/04/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1793540000	SC 3.81/04/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1793630000	SC 3.81/04/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1942870000	SC 3.81/05/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1793550000	SC 3.81/05/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1793640000	SC 3.81/05/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1942880000	SC 3.81/06/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1793560000	SC 3.81/06/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1793650000	SC 3.81/06/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1942890000	SC 3.81/07/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1871490000	SC 3.81/07/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1871480000	SC 3.81/07/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1942900000	SC 3.81/08/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1793570000	SC 3.81/08/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1793660000	SC 3.81/08/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1942910000	SC 3.81/09/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1871470000	SC 3.81/09/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1871450000	SC 3.81/09/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1942920000	SC 3.81/10/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1793580000	SC 3.81/10/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1793670000	SC 3.81/10/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box

1942930000	SC 3.81/11/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1943100000	SC 3.81/11/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1943030000	SC 3.81/11/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1942940000	SC 3.81/12/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1793680000	SC 3.81/12/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1942950000	SC 3.81/13/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1943110000	SC 3.81/13/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1943040000	SC 3.81/13/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1942960000	SC 3.81/14/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1943120000	SC 3.81/14/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1821000000	SC 3.81/14/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1942970000	SC 3.81/15/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1943130000	SC 3.81/15/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1943050000	SC 3.81/15/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1942980000	SC 3.81/16/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1793600000	SC 3.81/16/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1793690000	SC 3.81/16/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1942990000	SC 3.81/17/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1943140000	SC 3.81/17/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1943060000	SC 3.81/17/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1943000000	SC 3.81/18/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943150000	SC 3.81/18/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943070000	SC 3.81/18/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943010000	SC 3.81/19/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1943160000	SC 3.81/19/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1943080000	SC 3.81/19/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box

1943020000	SC 3.81/20/180G 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1943170000	SC 3.81/20/180G 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1943090000	SC 3.81/20/180G 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box