



#### General ordering data

Order No.	1793770000
Part designation	SC 3.81/12/180F 3.2SN BK BX
Version	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
EAN	4032248230891
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	$\geq 475$
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
1943180000	SC 3.81/02/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box

1793700000	SC 3.81/02/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1793790000	SC 3.81/02/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Box
1943190000	SC 3.81/03/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1793710000	SC 3.81/03/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1793800000	SC 3.81/03/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Box
1943200000	SC 3.81/04/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1793720000	SC 3.81/04/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1793810000	SC 3.81/04/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Box
1943210000	SC 3.81/05/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1793730000	SC 3.81/05/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1793820000	SC 3.81/05/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Box
1943220000	SC 3.81/06/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1793740000	SC 3.81/06/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1793830000	SC 3.81/06/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Box
1943230000	SC 3.81/07/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1837010000	SC 3.81/07/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1943370000	SC 3.81/07/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Box
1943240000	SC 3.81/08/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1793750000	SC 3.81/08/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1793840000	SC 3.81/08/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Box
1943250000	SC 3.81/09/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1943470000	SC 3.81/09/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1943380000	SC 3.81/09/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 180°, Box
1943260000	SC 3.81/10/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1793760000	SC 3.81/10/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box
1793850000	SC 3.81/10/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 180°, Box

1943270000	SC 3.81/11/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1943480000	SC 3.81/11/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1943390000	SC 3.81/11/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 180°, Box
1943280000	SC 3.81/12/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1793860000	SC 3.81/12/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 180°, Box
1943290000	SC 3.81/13/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1943490000	SC 3.81/13/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1943400000	SC 3.81/13/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 180°, Box
1943300000	SC 3.81/14/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1943500000	SC 3.81/14/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1943410000	SC 3.81/14/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 180°, Box
1943310000	SC 3.81/15/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1943510000	SC 3.81/15/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1943420000	SC 3.81/15/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 180°, Box
1943320000	SC 3.81/16/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1793780000	SC 3.81/16/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1793870000	SC 3.81/16/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 180°, Box
1943330000	SC 3.81/17/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1943520000	SC 3.81/17/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1943430000	SC 3.81/17/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 180°, Box
1943340000	SC 3.81/18/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943530000	SC 3.81/18/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943440000	SC 3.81/18/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 180°, Box
1943350000	SC 3.81/19/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1943540000	SC 3.81/19/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box
1943450000	SC 3.81/19/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 180°, Box

1943360000	SC 3.81/20/180F 3.2SN OR BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1943550000	SC 3.81/20/180F 3.2SN BK BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box
1943460000	SC 3.81/20/180F 3.2SN GN BX	PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 180°, Box