



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1793130000   |
| Part designation | SC 3.81/02/90G 3.2SN BK BX   |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 90°, Box |
| EAN              | 4032248227624  |
| Qty.             | 50 pc(s).  |

#### System parameters

|   |                        |
|---|------------------------|
| Fitted to PCB                             | Soldered connection    |
| Outgoing elbow                            | 90°                    |
| 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                    | 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  |
|------------|----------------------------|--|
| 1942020000 | SC 3.81/02/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 90°, Box |

|            |                            |   |
|------------|----------------------------|---|
| 1793240000 | SC 3.81/02/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 2, 90°, Box  |
| 1942040000 | SC 3.81/03/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 90°, Box  |
| 1793140000 | SC 3.81/03/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 90°, Box  |
| 1793250000 | SC 3.81/03/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 3, 90°, Box  |
| 1942070000 | SC 3.81/04/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box  |
| 1793150000 | SC 3.81/04/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box  |
| 1793260000 | SC 3.81/04/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box  |
| 1942090000 | SC 3.81/05/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 90°, Box  |
| 1793160000 | SC 3.81/05/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 90°, Box  |
| 1793270000 | SC 3.81/05/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 5, 90°, Box  |
| 1942100000 | SC 3.81/06/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box  |
| 1793170000 | SC 3.81/06/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box  |
| 1793280000 | SC 3.81/06/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box  |
| 1942120000 | SC 3.81/07/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 90°, Box  |
| 1942350000 | SC 3.81/07/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 90°, Box  |
| 1942260000 | SC 3.81/07/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 7, 90°, Box  |
| 1942130000 | SC 3.81/08/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box  |
| 1793180000 | SC 3.81/08/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box  |
| 1793290000 | SC 3.81/08/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box  |
| 1942140000 | SC 3.81/09/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 90°, Box  |
| 1942360000 | SC 3.81/09/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 90°, Box  |
| 1942270000 | SC 3.81/09/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 9, 90°, Box  |
| 1942150000 | SC 3.81/10/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1793190000 | SC 3.81/10/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1793300000 | SC 3.81/10/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1942160000 | SC 3.81/11/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 90°, Box |

|            |                            |   |
|------------|----------------------------|---|
| 1942370000 | SC 3.81/11/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 90°, Box |
| 1942280000 | SC 3.81/11/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 11, 90°, Box |
| 1942170000 | SC 3.81/12/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1793200000 | SC 3.81/12/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1793310000 | SC 3.81/12/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1942180000 | SC 3.81/13/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 90°, Box |
| 1942380000 | SC 3.81/13/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 90°, Box |
| 1942290000 | SC 3.81/13/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 13, 90°, Box |
| 1942190000 | SC 3.81/14/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1942390000 | SC 3.81/14/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1808990000 | SC 3.81/14/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1942200000 | SC 3.81/15/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 90°, Box |
| 1942400000 | SC 3.81/15/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 90°, Box |
| 1942300000 | SC 3.81/15/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 15, 90°, Box |
| 1942210000 | SC 3.81/16/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1793210000 | SC 3.81/16/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1793320000 | SC 3.81/16/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1942220000 | SC 3.81/17/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 90°, Box |
| 1942410000 | SC 3.81/17/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 90°, Box |
| 1942310000 | SC 3.81/17/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 17, 90°, Box |
| 1942230000 | SC 3.81/18/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1942420000 | SC 3.81/18/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1942320000 | SC 3.81/18/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1942240000 | SC 3.81/19/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 90°, Box |
| 1942430000 | SC 3.81/19/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 90°, Box |
| 1942330000 | SC 3.81/19/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 19, 90°, Box |

|            |                            |   |
|------------|----------------------------|---|
| 1942250000 | SC 3.81/20/90G 3.2SN OR BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1942440000 | SC 3.81/20/90G 3.2SN BK BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1942340000 | SC 3.81/20/90G 3.2SN GN BX | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |