



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1973600000   |
| Part designation | SCD 3.81/08/90F 3.2 SN SW  |
| Version          | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box |
| EAN              | 4032248683116  |
| 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                              | 8                      |
| Solder pin length                         | 3.2 mm                 |
| Can be coded                              | Yes                    |
| No. of rows                               | 2                      |
| No. of solder pins per pole               | 1                      |
| Dia. of fitting hole                      | 1.2 mm                 |
| Fitting hole tolerance                    | + 0.1 mm               |
| L1 in mm                                  | 11.43 mm               |
| L1 in inch                                | 0.45 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 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  |

#### Classifications

|            |             |
|------------|-------------|
| eClass 5.1 | 27-26-07-04 |
|------------|-------------|

#### Similar products

| Order No.  | Part designation          | Version  |
|------------|---------------------------|--|
| 1973260000 | SCD 3.81/04/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| 1973580000 | SCD 3.81/04/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| 1973410000 | SCD 3.81/04/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| 1973270000 | SCD 3.81/06/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box |
| 1973590000 | SCD 3.81/06/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box |

|            |                           |   |
|------------|---------------------------|---|
| 1973420000 | SCD 3.81/06/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box  |
| 1973280000 | SCD 3.81/08/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box  |
| 1973430000 | SCD 3.81/08/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box  |
| 1973290000 | SCD 3.81/10/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1973610000 | SCD 3.81/10/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1973460000 | SCD 3.81/10/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1973300000 | SCD 3.81/12/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1973620000 | SCD 3.81/12/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1973470000 | SCD 3.81/12/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1973310000 | SCD 3.81/14/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1973630000 | SCD 3.81/14/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1973480000 | SCD 3.81/14/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1973320000 | SCD 3.81/16/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1973640000 | SCD 3.81/16/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1973490000 | SCD 3.81/16/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1973330000 | SCD 3.81/18/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1973650000 | SCD 3.81/18/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1973500000 | SCD 3.81/18/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1973340000 | SCD 3.81/20/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1973660000 | SCD 3.81/20/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1973510000 | SCD 3.81/20/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1973350000 | SCD 3.81/22/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box |
| 1973670000 | SCD 3.81/22/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box |
| 1973520000 | SCD 3.81/22/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box |
| 1973360000 | SCD 3.81/24/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box |
| 1973680000 | SCD 3.81/24/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box |

|            |                           |   |
|------------|---------------------------|---|
| 1973530000 | SCD 3.81/24/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box |
| 1973370000 | SCD 3.81/26/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box |
| 1973690000 | SCD 3.81/26/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box |
| 1973540000 | SCD 3.81/26/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box |
| 1973380000 | SCD 3.81/28/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box |
| 1973700000 | SCD 3.81/28/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box |
| 1973550000 | SCD 3.81/28/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box |
| 1973390000 | SCD 3.81/30/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box |
| 1973710000 | SCD 3.81/30/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box |
| 1973560000 | SCD 3.81/30/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box |
| 1973400000 | SCD 3.81/32/90F 3.2 SN OR | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box |
| 1973720000 | SCD 3.81/32/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box |
| 1973570000 | SCD 3.81/32/90F 3.2 SN GN | Leiterplattensteckverbinder, Male connectors, Soldered connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box |