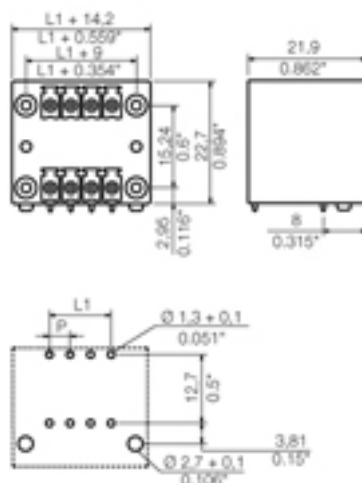




#### General ordering data

|                  |                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| Order No.        | 1974180000                                                                                                        |
| Part designation | SCD-THR 3.81/04/90F 3.2 SN SW                                                                                     |
| Version          | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| EAN              | 4032248683697                                                                                                     |
| Qty.             | 50 pc(s).                                                                                                         |

#### System parameters

|                                           |                          |
|-------------------------------------------|--------------------------|
| Fitted to PCB                             | Reflow solder connection |
| Outgoing elbow                            | 90°                      |
| Pitch                                     | 3.81 mm                  |
| Pitch in inch                             | 0.15 inch                |
| No. of poles                              | 4                        |
| Solder pin length                         | 1.5 mm                   |
| Can be coded                              | Yes                      |
| No. of rows                               | 2                        |
| No. of solder pins per pole               | 1                        |
| Dia. of fitting hole                      | 1.3 mm                   |
| Fitting hole tolerance                    | + 0.1 mm                 |
| L1 in mm                                  | 3.81 mm                  |
| L1 in inch                                | 0.15 inch                |
| Insulation resistance                     | 1 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       | LCP GF              |
| Colour                    | orange              |
| colour chart              | Similar to RAL 2000 |
| Insulating material group | IIIa                |
| Flammability class UL 94  | V-0                 |
| CTI                       | >= 175              |
| 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 | 85 %   |

#### DIN IEC rating data

|                                                                                |                  |
|--------------------------------------------------------------------------------|------------------|
| Rated current, min. No. pins (Tu=20°C)                                         | 12.5 A           |
| Rated current, min. No. pins (Tu=40°C)                                         | 12.5 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  |

#### Classifications

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

#### Similar products

| Order No.  | Part designation              | Version                                                                                                           |
|------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 1974830000 | SCD-THR 3.81/04/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| 1974510000 | SCD-THR 3.81/04/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 90°, Box |
| 1974190000 | SCD-THR 3.81/06/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box |
| 1974870000 | SCD-THR 3.81/06/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box |
| 1974540000 | SCD-THR 3.81/06/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 90°, Box |

|            |                               |                                                                                                                    |
|------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 1974200000 | SCD-THR 3.81/08/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box  |
| 1974900000 | SCD-THR 3.81/08/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box  |
| 1974570000 | SCD-THR 3.81/08/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 90°, Box  |
| 1974210000 | SCD-THR 3.81/10/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1974920000 | SCD-THR 3.81/10/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1974620000 | SCD-THR 3.81/10/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 10, 90°, Box |
| 1974220000 | SCD-THR 3.81/12/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1974950000 | SCD-THR 3.81/12/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1974630000 | SCD-THR 3.81/12/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 12, 90°, Box |
| 1974230000 | SCD-THR 3.81/14/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1974980000 | SCD-THR 3.81/14/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1974640000 | SCD-THR 3.81/14/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 14, 90°, Box |
| 1974240000 | SCD-THR 3.81/16/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1974990000 | SCD-THR 3.81/16/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1974650000 | SCD-THR 3.81/16/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 16, 90°, Box |
| 1974250000 | SCD-THR 3.81/18/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1975010000 | SCD-THR 3.81/18/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1974660000 | SCD-THR 3.81/18/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 18, 90°, Box |
| 1974290000 | SCD-THR 3.81/20/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1975040000 | SCD-THR 3.81/20/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1974680000 | SCD-THR 3.81/20/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 20, 90°, Box |
| 1974310000 | SCD-THR 3.81/22/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box |
| 1975090000 | SCD-THR 3.81/22/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box |
| 1974700000 | SCD-THR 3.81/22/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 22, 90°, Box |
| 1974330000 | SCD-THR 3.81/24/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box |
| 1975110000 | SCD-THR 3.81/24/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box |

|            |                               |                                                                                                                    |
|------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 1974720000 | SCD-THR 3.81/24/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 24, 90°, Box |
| 1974350000 | SCD-THR 3.81/26/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box |
| 1975130000 | SCD-THR 3.81/26/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box |
| 1974740000 | SCD-THR 3.81/26/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 26, 90°, Box |
| 1974440000 | SCD-THR 3.81/28/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box |
| 1975140000 | SCD-THR 3.81/28/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box |
| 1974760000 | SCD-THR 3.81/28/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 28, 90°, Box |
| 1974470000 | SCD-THR 3.81/30/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box |
| 1975170000 | SCD-THR 3.81/30/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box |
| 1974790000 | SCD-THR 3.81/30/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 30, 90°, Box |
| 1974490000 | SCD-THR 3.81/32/90F 3.2 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box |
| 1975190000 | SCD-THR 3.81/32/90F 1.5 SN SW | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box |
| 1974810000 | SCD-THR 3.81/32/90F 1.5 SN GN | Leiterplattensteckverbinder, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 32, 90°, Box |