



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1863580000  |
| Part designation | SL-SMT3.81/5/180LF3.2SR   |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Tape |
| EAN              | 4032248428816   |
| Qty.             | 300 pc(s).  |

#### System parameters

|                   |                          |
|-------------------|--------------------------|
| Fitted to PCB     | Reflow solder connection |
| Outgoing elbow    | 180°                     |
| Pitch             | 3.81 mm                  |
| Pitch in inch     | 0.15 inch                |
| No. of poles      | 5                        |
| Solder pin length | 3.2 mm                   |
| Can be coded      | Yes                      |
| No. of rows       | 1                        |

#### System parameters

|   |                        |
|---|------------------------|
| No. of solder pins per pole               | 1                      |
| Dia. of fitting hole                      | 1.3 mm                 |
| Fitting hole tolerance                    | + 0.1 mm               |
| L1 in mm                                  | 15.24 mm               |
| L1 in inch                                | 0.6 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                                | black               |
| colour chart                          | Similar to RAL 9011 |
| Insulating material group             | IIIa                |
| Flammability class UL 94              | V-0                 |
| CTI                                   | >= 175              |
| Contact base material                 | Copper alloy        |
| 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)   | 16 A             |
| Rated current, min. No. pins (Tu=40°C)   | 14 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

|            |             |
|------------|-------------|
| ETIM 2.0   | NK          |
| ETIM 3.0   | EC001284    |
| 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   |
|------------|-------------------------|---|
| 1864220000 | SL-SMT3.81/2/180LF1.5SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Tape |
| 1863500000 | SL-SMT3.81/2/180LF3.2SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 2, 180°, Tape |
| 1864230000 | SL-SMT3.81/3/180LF1.5SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Tape |
| 1863510000 | SL-SMT3.81/3/180LF3.2SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 3, 180°, Tape |
| 1864240000 | SL-SMT3.81/4/180LF1.5SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Tape |
| 1863530000 | SL-SMT3.81/4/180LF3.2SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 4, 180°, Tape |
| 1864250000 | SL-SMT3.81/5/180LF1.5SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 5, 180°, Tape |
| 1864260000 | SL-SMT3.81/6/180LF1.5SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Tape |
| 1863600000 | SL-SMT3.81/6/180LF3.2SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 6, 180°, Tape |
| 1864270000 | SL-SMT3.81/7/180LF1.5SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Tape |
| 1863620000 | SL-SMT3.81/7/180LF3.2SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 7, 180°, Tape |
| 1864280000 | SL-SMT3.81/8/180LF1.5SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Tape |
| 1863640000 | SL-SMT3.81/8/180LF3.2SR | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.81 mm, No. of poles: 8, 180°, Tape |