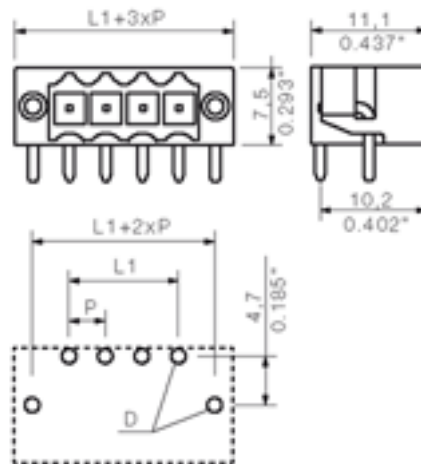




#### General ordering data

|                  |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
| Order No.        | 1805340000                                                                                                   |
| Part designation | SL-SMT3.5/5/90LF 1.5SN                                                                                       |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 90°, Tape |
| EAN              | 4032248269594                                                                                                |
| Qty.             | 385 pc(s).                                                                                                   |

#### System parameters

|                   |                          |
|-------------------|--------------------------|
| Fitted to PCB     | Reflow solder connection |
| Outgoing elbow    | 90°                      |
| Pitch             | 3.5 mm                   |
| Pitch in inch     | 0.138 inch               |
| No. of poles      | 5                        |
| Solder pin length | 1.5 mm                   |
| Can be coded      | Yes                      |
| No. of rows       | 1                        |

#### System parameters

|                                           |                              |
|-------------------------------------------|------------------------------|
| No. of solder pins per pole               | 1                            |
| Dia. of fitting hole                      | 1.4 mm                       |
| Fitting hole tolerance                    | + 0.1 mm                     |
| L1 in mm                                  | 14 mm                        |
| L1 in inch                                | 0.551 inch                   |
| Insulation resistance                     | 1 MΩ                         |
| Electric shock protection to DIN VDE 0470 | IP 10                        |
| Electric shock protection to DIN VDE 0470 | Safe from back-of-hand 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               |
| Temperature of glow-wire test         | 960 °C              |
| Duration of glow-wire test            | 30 S                |
| Contact base material                 | CuSn                |
| Contact surface                       | tinned              |
| Constant operating temp., min.        | -25 °C              |
| Constant operating temp., max.        | 100 °C              |
| Storage temperature, min.             | -25 °C              |
| Storage temperature, max.             | 55 °C               |
| Max. relative humidity during storage | 80 %                |

#### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated current, min. No. pins (Tu=20°C)                                         | 15 A              |
| Rated current, max. No. pins (Tu=20°C)                                         | 12 A              |
| Rated current, min. No. pins (Tu=40°C)                                         | 13 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 10 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 100 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 |
|-----------------------------|-------|

#### UL 1059 rating data

Rated current (Use group D) 10 A

#### Approvals

Approvals institutes



#### Downloads

CAD Library (P-CAD Format - Standard) SL-SMT.LIB

#### 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                                                                                                       |
|------------|----------------------------|---------------------------------------------------------------------------------------------------------------|
| 1805310000 | SL-SMT3.5/2/90LF 1.5SN     | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 90°, Tape  |
| 1805320000 | SL-SMT3.5/3/90LF 1.5SN     | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 90°, Tape  |
| 1805330000 | SL-SMT3.5/4/90LF 1.5SN     | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Tape  |
| 1805350000 | SL-SMT3.5/6/90LF 1.5SN     | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Tape  |
| 1805360000 | SL-SMT3.5/7/90LF 1.5SN     | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 90°, Tape  |
| 1805370000 | SL-SMT3.5/8/90LF 1.5SN     | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Tape  |
| 1805380000 | SL-SMT3.5/9/90LF 1.5SN     | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 90°, Tape  |
| 1005180000 | SL-SMT3.5/10/90LF 1.5SR SW | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Tape |