



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1629070000  |
| Part designation | SL 7.50/7/180 3.2SN OR  |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 7, 180°, Box |
| EAN              | 4008190201876   |
| Qty.             | 50 pc(s).   |

#### System parameters

|                             |                     |
|-----------------------------|---------------------|
| Fitted to PCB               | Soldered connection |
| Outgoing elbow              | 180°                |
| Pitch                       | 7.5 mm              |
| Pitch in inch               | 0.295 inch          |
| No. of poles                | 7                   |
| 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        | 1.3 mm              |
| Fitting hole tolerance      | + 0.1 mm            |
| L1 in mm                    | 45 mm               |
| L1 in inch                  | 1.772 inch          |
| Insulation resistance       | 1 MΩ                |

#### System parameters

Electric shock protection to DIN VDE 0470      Safe from finger touch, plugged

#### Material data

|                                       |                     |
|---------------------------------------|---------------------|
| Insulating material                   | PBT                 |
| Colour                                | orange              |
| colour chart                          | Similar to RAL 2000 |
| Insulating material group             | IIIa                |
| Flammability class UL 94              | V-0                 |
| CTI                                   | >= 200              |
| 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)   | 18.5 A            |
| Rated current, max. No. pins (Tu=20°C)   | 17 A              |
| Rated current, min. No. pins (Tu=40°C)   | 16 A              |
| Rated current, max. No. pins (Tu=40°C)   | 14.5 A            |
| Rated voltage for overvoltage class/pollution severity III/3                   | 500 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 6 kV              |
| Rated voltage for overvoltage class/pollution severity III/2                   | 630 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 6 kV              |
| Rated voltage for overvoltage class/pollution severity II/2                    | 800 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 6 kV              |
| Short-time withstand current resistance  | 3 x 1s with 120 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



### Downloads

CAD Library (P-CAD Format - Standard) SL.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  |
|------------|-------------------------|--|
| 1629020000 | SL 7.50/2/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 2, 180°, Box  |
| 1629030000 | SL 7.50/3/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 3, 180°, Box  |
| 1629040000 | SL 7.50/4/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 4, 180°, Box  |
| 1629050000 | SL 7.50/5/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 5, 180°, Box  |
| 1629060000 | SL 7.50/6/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 6, 180°, Box  |
| 1629080000 | SL 7.50/8/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 8, 180°, Box  |
| 1629090000 | SL 7.50/9/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 9, 180°, Box  |
| 1629100000 | SL 7.50/10/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 10, 180°, Box |
| 1629110000 | SL 7.50/11/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 11, 180°, Box |
| 1629120000 | SL 7.50/12/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 7.50 mm, No. of poles: 12, 180°, Box |