



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1581480000   |
| Part designation | SL 5.00/18/180 3.2SN OR  |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 18, 180°, Box |
| EAN              | 4008190186821  |
| Qty.             | 20 pc(s).  |

#### System parameters

|   |                     |
|---|---------------------|
| Fitted to PCB                             | Soldered connection |
| Outgoing elbow                            | 180°                |
| Pitch                                     | 5 mm                |
| Pitch in inch                             | 0.197 inch          |
| No. of poles                              | 18                  |
| 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                                  | 85 mm               |
| L1 in inch                                | 3.346 inch          |
| Electric shock protection to DIN VDE 0470 | IP20 plugged        |

#### 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 A              |
| Rated current, max. No. pins (Tu=20°C)   | 14.5 A            |
| Rated current, min. No. pins (Tu=40°C)   | 15 A              |
| Rated current, max. No. pins (Tu=40°C)   | 12 A              |
| Rated voltage for overvoltage class/pollution severity III/3                   | 250 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 4 kV              |
| Rated voltage for overvoltage class/pollution severity III/2                   | 320 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 4 kV              |
| Rated voltage for overvoltage class/pollution severity II/2                    | 400 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 4 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  |
|------------|-------------------------|--|
| 1581320000 | SL 5.00/2/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 2, 180°, Box  |
| 1581330000 | SL 5.00/3/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 3, 180°, Box  |
| 1581340000 | SL 5.00/4/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 4, 180°, Box  |
| 1581350000 | SL 5.00/5/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 5, 180°, Box  |
| 1581360000 | SL 5.00/6/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 6, 180°, Box  |
| 1581370000 | SL 5.00/7/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 7, 180°, Box  |
| 1581380000 | SL 5.00/8/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 8, 180°, Box  |
| 1581390000 | SL 5.00/9/180 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 9, 180°, Box  |
| 1581400000 | SL 5.00/10/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 1581410000 | SL 5.00/11/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 11, 180°, Box |

|            |                         |  |
|------------|-------------------------|--|
| 1581420000 | SL 5.00/12/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| 1581430000 | SL 5.00/13/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 13, 180°, Box |
| 1581440000 | SL 5.00/14/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1581450000 | SL 5.00/15/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 15, 180°, Box |
| 1581460000 | SL 5.00/16/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 16, 180°, Box |
| 1581470000 | SL 5.00/17/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 17, 180°, Box |
| 1581490000 | SL 5.00/19/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 19, 180°, Box |
| 1581500000 | SL 5.00/20/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 20, 180°, Box |
| 1581510000 | SL 5.00/21/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 21, 180°, Box |
| 1581520000 | SL 5.00/22/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 22, 180°, Box |
| 1581530000 | SL 5.00/23/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 23, 180°, Box |
| 1581540000 | SL 5.00/24/180 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 24, 180°, Box |