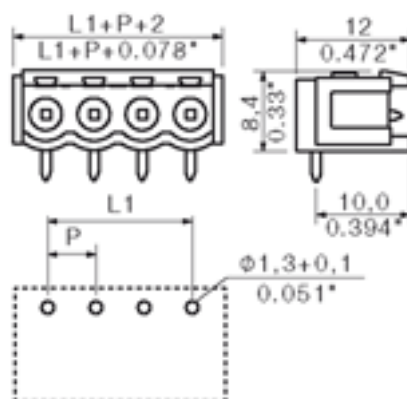
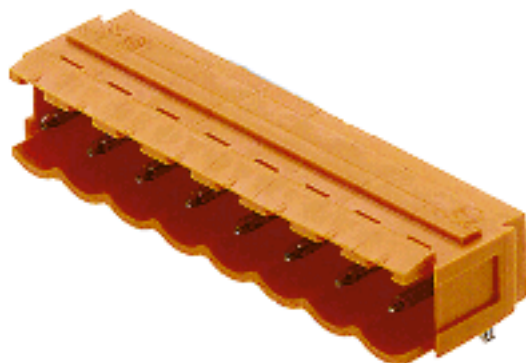




#### General ordering data

|                  |                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------|
| Order No.        | 1580960000                                                                                              |
| Part designation | SL 5.00/12/90B3.2SN OR                                                                                  |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| EAN              | 4008190071851                                                                                           |
| Qty.             | 50 pc(s).                                                                                               |

#### System parameters

|                             |                     |
|-----------------------------|---------------------|
| Fitted to PCB               | Soldered connection |
| Outgoing elbow              | 90°                 |
| Pitch                       | 5 mm                |
| Pitch in inch               | 0.197 inch          |
| No. of poles                | 12                  |
| 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                    | 55 mm               |
| L1 in inch                  | 2.165 inch          |
| Insulation resistance       | 1 MΩ                |

#### System parameters

|                                           |                                 |
|-------------------------------------------|---------------------------------|
| Electric shock protection to DIN VDE 0470 | IP20 plugged                    |
| 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                                                                                                 |
|------------|------------------------|---------------------------------------------------------------------------------------------------------|
| 1580860000 | SL 5.00/2/90B3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 2, 90°, Box  |
| 1580870000 | SL 5.00/3/90B3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 3, 90°, Box  |
| 1580880000 | SL 5.00/4/90B3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 4, 90°, Box  |
| 1580890000 | SL 5.00/5/90B3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 5, 90°, Box  |
| 1580900000 | SL 5.00/6/90B3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 6, 90°, Box  |
| 1580910000 | SL 5.00/7/90B3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 7, 90°, Box  |
| 1580920000 | SL 5.00/8/90B3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 8, 90°, Box  |
| 1580930000 | SL 5.00/9/90B3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 9, 90°, Box  |
| 1580940000 | SL 5.00/10/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 1580950000 | SL 5.00/11/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 11, 90°, Box |

|            |                        |                                                                                                         |
|------------|------------------------|---------------------------------------------------------------------------------------------------------|
| 1580970000 | SL 5.00/13/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 13, 90°, Box |
| 1580980000 | SL 5.00/14/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 14, 90°, Box |
| 1580990000 | SL 5.00/15/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 15, 90°, Box |
| 1581000000 | SL 5.00/16/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 16, 90°, Box |
| 1581010000 | SL 5.00/17/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 17, 90°, Box |
| 1581020000 | SL 5.00/18/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 18, 90°, Box |
| 1581030000 | SL 5.00/19/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 19, 90°, Box |
| 1581040000 | SL 5.00/20/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 20, 90°, Box |
| 1581050000 | SL 5.00/21/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 21, 90°, Box |
| 1581060000 | SL 5.00/22/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 22, 90°, Box |
| 1581070000 | SL 5.00/23/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 23, 90°, Box |
| 1581080000 | SL 5.00/24/90B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 24, 90°, Box |