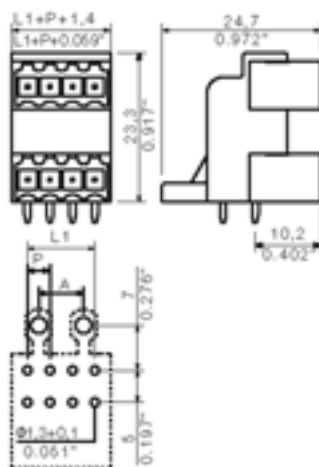
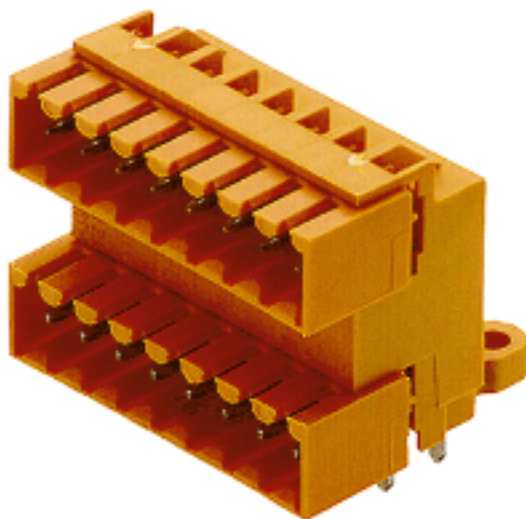




#### General ordering data

|                  |                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------|
| Order No.        | 1633660000                                                                                              |
| Part designation | SLD 3.5/20/90G3.2SN OR                                                                                  |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 90°, Box |
| EAN              | 4008190258115                                                                                           |
| Qty.             | 20 pc(s).                                                                                               |

#### System parameters

|                             |                     |
|-----------------------------|---------------------|
| Fitted to PCB               | Soldered connection |
| Outgoing elbow              | 90°                 |
| Pitch                       | 3.5 mm              |
| Pitch in inch               | 0.138 inch          |
| No. of poles                | 20                  |
| Solder pin length           | 3.2 mm              |
| Can be coded                | Yes                 |
| No. of rows                 | 2                   |
| No. of solder pins per pole | 1                   |
| Dia. of fitting hole        | 1.3 mm              |
| Fitting hole tolerance      | + 0.1 mm            |
| L1 in mm                    | 31.5 mm             |
| L1 in inch                  | 1.24 inch           |
| Insulation resistance       | 1 MΩ                |

#### System parameters

|                                           |                              |
|-------------------------------------------|------------------------------|
| 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                   | PBT                 |
| Colour                                | orange              |
| colour chart                          | Similar to RAL 2000 |
| Insulating material group             | IIIa                |
| Flammability class UL 94              | V-0                 |
| CTI                                   | $\geq 200$          |
| Contact base material                 | CuSn                |
| Contact surface                       | tinned              |
| Constant operating temp., min.        | -25 °C              |
| Constant operating temp., max.        | 100                 |
| 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)                                         | 10.5 A           |
| Rated current, max. No. pins (Tu=20°C)                                         | 8 A              |
| Rated current, min. No. pins (Tu=40°C)                                         | 9 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 7 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                    | 200 V            |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 2.5 kV           |
| Short-time withstand current resistance                                        | 3 x 1s with 80 A |

#### CSA rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 8 A   |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 8 A   |

## Approvals

Approvals institutes



## Downloads

CAD Library (P-CAD Format - Standard) SLD.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                                                                                                 |
|------------|------------------------|---------------------------------------------------------------------------------------------------------|
| 1633580000 | SLD 3.5/4/90G3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 4, 90°, Box  |
| 1633590000 | SLD 3.5/6/90G3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 90°, Box  |
| 1633600000 | SLD 3.5/8/90G3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 90°, Box  |
| 1633610000 | SLD 3.5/10/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 90°, Box |
| 1633620000 | SLD 3.5/12/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box |
| 1633630000 | SLD 3.5/14/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 90°, Box |
| 1633640000 | SLD 3.5/16/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 90°, Box |
| 1633650000 | SLD 3.5/18/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 90°, Box |
| 1633670000 | SLD 3.5/22/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 22, 90°, Box |
| 1633680000 | SLD 3.5/24/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 90°, Box |

|            |                        |                                                                                                         |
|------------|------------------------|---------------------------------------------------------------------------------------------------------|
| 1633690000 | SLD 3.5/26/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 26, 90°, Box |
| 1633700000 | SLD 3.5/28/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 90°, Box |
| 1633710000 | SLD 3.5/30/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 30, 90°, Box |
| 1633720000 | SLD 3.5/32/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 90°, Box |
| 1633730000 | SLD 3.5/34/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 34, 90°, Box |
| 1633740000 | SLD 3.5/36/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 90°, Box |
| 1633750000 | SLD 3.5/38/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 38, 90°, Box |
| 1633760000 | SLD 3.5/40/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 40, 90°, Box |
| 1633770000 | SLD 3.5/42/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 42, 90°, Box |
| 1633780000 | SLD 3.5/44/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 44, 90°, Box |
| 1633790000 | SLD 3.5/46/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 46, 90°, Box |
| 1633800000 | SLD 3.5/48/90G3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 48, 90°, Box |