



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1614940000   |
| Part designation | SLD 5.00R20/30/3.2SN OR  |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 30, 180°, Box |
| EAN              | 4008190040529  |
| Qty.             | 10 pc(s).  |

#### System parameters

|                             |                     |
|-----------------------------|---------------------|
| Fitted to PCB               | Soldered connection |
| Outgoing elbow              | 180°                |
| Pitch                       | 5 mm                |
| Pitch in inch               | 0.197 inch          |
| No. of poles                | 30                  |
| 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                    | 70 mm               |
| L1 in inch                  | 2.756 inch          |
| Insulation resistance       | 1 MΩ                |

#### System parameters

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             | I                   |
| Flammability class UL 94              | V-0                 |
| CTI                                   | >= 600              |
| 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)   | 11 A              |
| Rated current, max. No. pins (Tu=20°C)   | 8.5 A             |
| Rated current, min. No. pins (Tu=40°C)   | 9.5 A             |
| Rated current, max. No. pins (Tu=40°C)   | 7 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  | 1 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



#### 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  |
|------------|-------------------------|--|
| 1614810000 | SLD 5.00R20/4/3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 4, 180°, Box  |
| 1614820000 | SLD 5.00R20/6/3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 6, 180°, Box  |
| 1614830000 | SLD 5.00R20/8/3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 8, 180°, Box  |
| 1614840000 | SLD 5.00R20/10/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 1614850000 | SLD 5.00R20/12/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| 1614860000 | SLD 5.00R20/14/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1614870000 | SLD 5.00R20/16/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 16, 180°, Box |
| 1614880000 | SLD 5.00R20/18/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 18, 180°, Box |
| 1614890000 | SLD 5.00R20/20/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 20, 180°, Box |
| 1614900000 | SLD 5.00R20/22/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 22, 180°, Box |
| 1614910000 | SLD 5.00R20/24/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 24, 180°, Box |
| 1614920000 | SLD 5.00R20/26/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 26, 180°, Box |
| 1614930000 | SLD 5.00R20/28/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 28, 180°, Box |
| 1614950000 | SLD 5.00R20/32/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 32, 180°, Box |
| 1614960000 | SLD 5.00R20/34/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 34, 180°, Box |
| 1614970000 | SLD 5.00R20/36/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 36, 180°, Box |
| 1614980000 | SLD 5.00R20/38/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 38, 180°, Box |
| 1614990000 | SLD 5.00R20/40/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 40, 180°, Box |
| 1615000000 | SLD 5.00R20/42/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 42, 180°, Box |
| 1615010000 | SLD 5.00R20/44/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 44, 180°, Box |

|            |                         |  |
|------------|-------------------------|--|
| 1615020000 | SLD 5.00R20/46/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 46, 180°, Box |
| 1615030000 | SLD 5.00R20/48/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 48, 180°, Box |