



#### General ordering data

|                  |                                                                                                          |
|------------------|----------------------------------------------------------------------------------------------------------|
| Order No.        | 1270860000                                                                                               |
| Part designation | SLA 18/180B 3.2SN OR                                                                                     |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| EAN              | 4008190030674                                                                                            |
| Qty.             | 20 pc(s).                                                                                                |

#### System parameters

|                             |                     |
|-----------------------------|---------------------|
| Fitted to PCB               | Soldered connection |
| Outgoing elbow              | 180°                |
| Pitch                       | 5.08 mm             |
| Pitch in inch               | 0.2 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                    | 86.36 mm            |
| L1 in inch                  | 3.4 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 GF              |
| 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.        | 120 °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)                                         | 17.5 A            |
| Rated current, max. No. pins (Tu=20°C)                                         | 12.5 A            |
| Rated current, min. No. pins (Tu=40°C)                                         | 16 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 11 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 100 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)      SLA.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                                                                                                  |
|------------|----------------------|----------------------------------------------------------------------------------------------------------|
| 1242560000 | SLA 2/180B 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 2, 180°, Box  |
| 1242660000 | SLA 3/180B 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 3, 180°, Box  |
| 1242860000 | SLA 5/180B 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 5, 180°, Box  |
| 1242760000 | SLA 4/180B 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box  |
| 1242960000 | SLA 6/180B 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box  |
| 1243060000 | SLA 7/180B 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 7, 180°, Box  |
| 1243160000 | SLA 8/180B 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box  |
| 1243260000 | SLA 9/180B 3.2SN OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 9, 180°, Box  |
| 1243360000 | SLA 10/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1243460000 | SLA 11/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 11, 180°, Box |

|            |                      |                                                                                                          |
|------------|----------------------|----------------------------------------------------------------------------------------------------------|
| 1243560000 | SLA 12/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| 1243660000 | SLA 13/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1243760000 | SLA 14/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1243860000 | SLA 15/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1243960000 | SLA 16/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1270760000 | SLA 17/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1270960000 | SLA 19/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1271060000 | SLA 20/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1271160000 | SLA 21/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1315360000 | SLA 22/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1315460000 | SLA 23/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 23, 180°, Box |
| 1315560000 | SLA 24/180B 3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.08 mm, No. of poles: 24, 180°, Box |