



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 1641260000   |
| Part designation | SLD 3.5 V/12/180F 3.2OR  |
| Version          | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| EAN              | 4008190279660  |
| Qty.             | 50 pc(s).  |

#### System parameters

|   |                              |
|---|------------------------------|
| Fitted to PCB                             | Soldered connection          |
| Outgoing elbow                            | 180°                         |
| Pitch                                     | 3.5 mm                       |
| Pitch in inch                             | 0.138 inch                   |
| No. of poles                              | 12                           |
| 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                                  | 17.5 mm                      |
| L1 in inch                                | 0.689 inch                   |
| Insulation resistance                     | 1 MΩ                         |
| 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                       | >= 200              |
| Contact base material     | CuSn                |

#### Material data

|                                       |        |
|---------------------------------------|--------|
| 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                   | 125 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  |
|------------|-------------------------|--|
| 1641240000 | SLD 3.5 V/4/180F 3.2OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 4, 180°, Box  |
| 1641250000 | SLD 3.5 V/8/180F 3.2OR  | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box  |
| 1641270000 | SLD 3.5 V/16/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1641280000 | SLD 3.5 V/20/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1641290000 | SLD 3.5 V/24/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |
| 1641300000 | SLD 3.5 V/28/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 180°, Box |
| 1641310000 | SLD 3.5 V/32/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 180°, Box |
| 1641320000 | SLD 3.5 V/36/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 180°, Box |
| 1641330000 | SLD 3.5 V/40/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 40, 180°, Box |
| 1641340000 | SLD 3.5 V/44/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 44, 180°, Box |
| 1641350000 | SLD 3.5 V/48/180F 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 48, 180°, Box |