

## General ordering data

Order No. Part designation Version

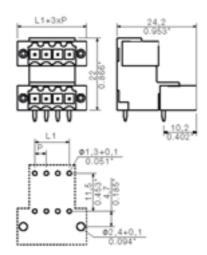
## EAN Qty.

System parameters

Fitted to PCB Outgoing elbow Pitch Pitch in inch No. of poles Solder pin length Can be coded No. of rows No. of solder pins per pole Dia. of fitting hole Fitting hole tolerance L1 in mm L1 in inch Insulation resistance Electric shock protection to DIN VDE 0470 Electric shock protection to DIN VDE 0470

## Material data

Insulating material Colour colour chart Insulating material group Flammability class UL 94 CTI Contact base material





1642470000 SLD 3.5 V/44/90F 3.2 OR PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 44, 90°, Box 4008190280994 10 pc(s).

Soldered connection 90° 3.5 mm 0.138 inch 44 3.2 mm Yes 2 1 1.3 mm + 0.1 mm 73.5 mm 2.894 inch 1 MΩ IP 10 Safe from back-of-hand touch PBT orange Similar to RAL 2000 Illa V-0 >= 200

CuSn



| Material data                                   |                  |
|---|------------------|
| 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)          | 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   | 125 V            |
| severity III/3                                  |                  |
| Rated impulse withstand voltage for overvoltage | 2.5 kV           |
| class/pollution severity III/3                  |                  |
| Rated voltage for overvoltage class/pollution   | 160 V            |
| severity III/2                                  |                  |
| Rated impulse withstand voltage for overvoltage | 2.5 kV           |
| class/pollution severity III/2                  |                  |
| Rated voltage for overvoltage class/pollution   | 200 V            |
| severity II/2                                   |                  |
| Rated impulse withstand voltage for overvoltage | 2.5 kV           |
| class/pollution severity II/2                   |                  |
| Short-time withstand current resistance         | 3 x 1s with 80 A |
|   |                  |
|   |                  |
| 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<br>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

| 1642370000 | SLD 3.5 V/4/90F 3.2 OR  | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 4, 90°, Box  |
|------------|-------------------------|--|
| 1642380000 | SLD 3.5 V/8/90F 3.2 OR  | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 8, 90°, Box  |
| 1642390000 | SLD 3.5 V/12/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 90°, Box    |
| 1642400000 | SLD 3.5 V/16/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 16, 90°, Box |
| 1642410000 | SLD 3.5 V/20/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 20, 90°, Box |
| 1642420000 | SLD 3.5 V/24/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 24, 90°, Box |
| 1642430000 | SLD 3.5 V/28/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 28, 90°, Box |
| 1642440000 | SLD 3.5 V/32/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 32, 90°, Box |
| 1642450000 | SLD 3.5 V/36/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 36, 90°, Box |
| 1642460000 | SLD 3.5 V/40/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection,<br>Pitch: 3.50 mm, No. of poles: 40, 90°, Box |
| 1642480000 | SLD 3.5 V/48/90F 3.2 OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 48, 90°, Box    |

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