



General ordering data

| | |
|------------------|--|
| Order No. | 1581880000 |
| Part designation | SL 5.00/12/180B3.2SN OR |
| Version | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 12, 180°, Box |
| EAN | 4008190185947 |
| Qty. | 50 pc(s). |

System parameters

| | |
|-----------------------------|---------------------|
| Fitted to PCB | Soldered connection |
| Outgoing elbow | 180° |
| Pitch | 5 mm |
| Pitch in inch | 0.197 inch |
| No. of poles | 12 |
| 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 | 55 mm |
| L1 in inch | 2.165 inch |
| Insulation resistance | 1 MΩ |

System parameters

| | |
|---|---------------------------------|
| Electric shock protection to DIN VDE 0470 | IP20 plugged |
| Electric shock protection to DIN VDE 0470 | Safe from finger touch, plugged |

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 |
| 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) | 18 A |
| Rated current, max. No. pins (Tu=20°C) | 14.5 A |
| Rated current, min. No. pins (Tu=40°C) | 15 A |
| Rated current, max. No. pins (Tu=40°C) | 12 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 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



Downloads

CAD Library (P-CAD Format - Standard) SL.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 |
|------------|-------------------------|--|
| 1581780000 | SL 5.00/2/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 2, 180°, Box |
| 1581790000 | SL 5.00/3/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 3, 180°, Box |
| 1581800000 | SL 5.00/4/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 4, 180°, Box |
| 1581810000 | SL 5.00/5/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 5, 180°, Box |
| 1581820000 | SL 5.00/6/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 6, 180°, Box |
| 1581830000 | SL 5.00/7/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 7, 180°, Box |
| 1581840000 | SL 5.00/8/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 8, 180°, Box |
| 1581850000 | SL 5.00/9/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 9, 180°, Box |
| 1581860000 | SL 5.00/10/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 10, 180°, Box |
| 1581870000 | SL 5.00/11/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 11, 180°, Box |

| | | |
|------------|-------------------------|--|
| 1581890000 | SL 5.00/13/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 13, 180°, Box |
| 1581900000 | SL 5.00/14/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 14, 180°, Box |
| 1581910000 | SL 5.00/15/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 15, 180°, Box |
| 1581920000 | SL 5.00/16/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 16, 180°, Box |
| 1581930000 | SL 5.00/17/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 17, 180°, Box |
| 1581940000 | SL 5.00/18/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 18, 180°, Box |
| 1581950000 | SL 5.00/19/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 19, 180°, Box |
| 1581960000 | SL 5.00/20/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 20, 180°, Box |
| 1581970000 | SL 5.00/21/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 21, 180°, Box |
| 1581980000 | SL 5.00/22/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 22, 180°, Box |
| 1581990000 | SL 5.00/23/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 23, 180°, Box |
| 1582000000 | SL 5.00/24/180B3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 24, 180°, Box |