



General ordering data

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| Order No. | 1614890000 |
| Part designation | SLD 5.00R20/20/3.2SN OR |
| Version | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 20, 180°, Box |
| EAN | 4008190039783 |
| Qty. | 20 pc(s). |

System parameters

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| Fitted to PCB | Soldered connection |
| Outgoing elbow | 180° |
| Pitch | 5 mm |
| Pitch in inch | 0.197 inch |
| No. of poles | 20 |
| 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 | 45 mm |
| L1 in inch | 1.772 inch |
| Insulation resistance | 1 MΩ |

System parameters

Electric shock protection to DIN VDE 0470 Safe from back-of-hand touch

Material data

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|---------------------------------------|---------------------|
| 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

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|--------------------------------------------------------------------------------|-------------------|
| 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

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| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A |

UL 1059 rating data

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|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A |

Approvals

Approvals institutes



Classifications

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|------------|-------------|
| 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 |
| 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 |
| 1614940000 | SLD 5.00R20/30/3.2SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 5.00 mm, No. of poles: 30, 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 |

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| 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 |