



General ordering data

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| Order No. | 1641150000 |
| Part designation | SLD 3.5 V/20/180G 3.2OR |
| Version | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| EAN | 4008190279554 |
| Qty. | 20 pc(s). |

System parameters

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|-----------------------------|---------------------|
| Fitted to PCB | Soldered connection |
| Outgoing elbow | 180° |
| Pitch | 3.5 mm |
| Pitch in inch | 0.138 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 | 31.5 mm |
| L1 in inch | 1.24 inch |
| Insulation resistance | 1 MΩ |

System parameters

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|---|------------------------------|
| Electric shock protection to DIN VDE 0470 | IP 10 |
| 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 | 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 |
| 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) | 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

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|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 8 A |

UL 1059 rating data

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|-----------------------------|-------|
| 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 |
|------------|-------------------------|--|
| 1641110000 | SLD 3.5 V/4/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 4, 180°, Box |
| 1641120000 | SLD 3.5 V/8/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box |
| 1641130000 | SLD 3.5 V/12/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1641140000 | SLD 3.5 V/16/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1641160000 | SLD 3.5 V/24/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |
| 1641170000 | SLD 3.5 V/28/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 180°, Box |
| 1641180000 | SLD 3.5 V/32/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 180°, Box |
| 1641190000 | SLD 3.5 V/36/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 180°, Box |
| 1641200000 | SLD 3.5 V/40/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 40, 180°, Box |
| 1641210000 | SLD 3.5 V/44/180G 3.2OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 44, 180°, Box |

1641220000 SLD 3.5 V/48/180G 3.2OR

PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 48, 180°, Box