



General ordering data

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| Order No. | 1807810000 |
| Part designation | S2L-SMT3.5/12/180G3.5SN |
| Version | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Tape |
| EAN | 4032248279517 |
| Qty. | 175 pc(s). |

System parameters

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|-------------------|--------------------------|
| Fitted to PCB | Reflow solder connection |
| Outgoing elbow | 180° |
| Pitch | 3.5 mm |
| Pitch in inch | 0.138 inch |
| No. of poles | 12 |
| Solder pin length | 3.5 mm |
| Can be coded | Yes |
| No. of rows | 2 |

System parameters

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|---|------------------------------|
| 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 |
| 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 | LCP GF |
| Colour | black |
| colour chart | Similar to RAL 9011 |
| Insulating material group | IIIb |
| Flammability class UL 94 | V-0 |
| CTI | >= 175 |
| Contact base material | Copper alloy |
| 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 | 93 % |

DIN IEC rating data

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| Rated current, min. No. pins (Tu=20°C) | 10 A |
| Rated current, max. No. pins (Tu=20°C) | 10 A |
| Rated current, min. No. pins (Tu=40°C) | 9 A |
| Rated current, max. No. pins (Tu=40°C) | 8.5 A |
| Rated voltage for overvoltage class/pollution severity III/3 | 50 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2.5 kV |
| Rated voltage for overvoltage class/pollution severity III/2 | 125 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 1.5 kV |
| Rated voltage for overvoltage class/pollution severity II/2 | 160 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 1.5 kV |
| Short-time withstand current resistance | 3 x 1s with 77 A |

CSA rating data

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|-----------------------------|------|
| Rated voltage (Use group D) | 50 V |
| Rated current (Use group D) | 5 A |

UL 1059 rating data

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|-----------------------------|-------|
| Rated voltage (Use group D) | 150 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 | 27-26-07-01 |

Similar products

| Order No. | Part designation | Version |
|------------|-------------------------|--|
| 1807780000 | S2L-SMT3.5/6/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Tape |
| 1807790000 | S2L-SMT3.5/8/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Tape |
| 1807800000 | S2L-SMT3.5/10/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Tape |
| 1807820000 | S2L-SMT3.5/14/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Tape |
| 1807830000 | S2L-SMT3.5/16/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Tape |
| 1807840000 | S2L-SMT3.5/18/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Tape |
| 1807850000 | S2L-SMT3.5/20/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Tape |
| 1807860000 | S2L-SMT3.5/22/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Tape |
| 1802220000 | S2L-SMT3.5/24/180G3.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Tape |