



General ordering data

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| Order No. | 1820630000 |
| Part designation | SL-SMT5.08/12/180F 3.2SN |
| Version | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 12, 180°, Box |
| EAN | 4032248316595 |
| Qty. | 50 pc(s). |

System parameters

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|-----------------------------|--------------------------|
| Fitted to PCB | Reflow solder connection |
| Outgoing elbow | 180° |
| Pitch | 5.08 mm |
| Pitch in inch | 0.2 inch |
| No. of poles | 12 |
| Solder pin length | 3.2 mm |
| Can be coded | Yes |
| No. of solder pins per pole | 1 |
| L1 in mm | 55.88 mm |
| L1 in inch | 2.2 inch |

Material data

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|---------------------------------------|---------------------|
| Insulating material | LCP GF |
| Colour | black |
| colour chart | Similar to RAL 9011 |
| Insulating material group | IIIa |
| Flammability class UL 94 | V-0 |
| 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) | 19 A |
| Rated current, max. No. pins (Tu=20°C) | 15 A |
| Rated current, min. No. pins(Tu=40°C) | 16 A |
| Rated current, max. No. pins (Tu=40°C) | 13 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 |

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 |
|------------|---------------------------------|---|
| 1837320000 | SL-SMT5.08/2/180F 1.5SN BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1837860000 | SL-SMT5.08/2/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 2, 180°, Box |
| 1820600000 | SL-SMT5.08/3/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 3, 180°, Box |
| 1830100000 | SL-SMT5.08/4/180F 1.5SN BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1837870000 | SL-SMT5.08/4/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 4, 180°, Box |
| 1837330000 | SL-SMT5.08/5/180F 1.5SN BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1820770000 | SL-SMT5.08/5/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 5, 180°, Box |
| 1837340000 | SL-SMT5.08/6/180F 1.5SN BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1820610000 | SL-SMT5.08/6/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 6, 180°, Box |
| 1837880000 | SL-SMT5.08/7/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 7, 180°, Box |
| 1820620000 | SL-SMT5.08/8/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 8, 180°, Box |
| 1837890000 | SL-SMT5.08/9/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 9, 180°, Box |
| 1820780000 | SL-SMT5.08/10/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 10, 180°, Box |
| 1837900000 | SL-SMT5.08/11/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 11, 180°, Box |
| 1820790000 | SL-SMT5.08/13/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 13, 180°, Box |
| 1820800000 | SL-SMT5.08/14/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 14, 180°, Box |
| 1837910000 | SL-SMT5.08/15/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 15, 180°, Box |
| 1820640000 | SL-SMT5.08/16/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 16, 180°, Box |
| 1837920000 | SL-SMT5.08/17/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 17, 180°, Box |
| 1820650000 | SL-SMT5.08/18/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 18, 180°, Box |
| 1837930000 | SL-SMT5.08/19/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 19, 180°, Box |
| 1820810000 | SL-SMT5.08/20/180F 3.2SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 20, 180°, Box |
| 1837940000 | SL-SMT5.08/21/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 21, 180°, Box |
| 1837950000 | SL-SMT5.08/22/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 22, 180°, Box |
| 1837960000 | SL-SMT5.08/23/180F 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.08 mm, No. of poles: 23, 180°, Box |

1837970000 SL-SMT5.08/24/180F 3.2SN SW PCB plug-in connector, Male connectors, Reflow solder connection,
BOX Pitch: 5.08 mm, No. of poles: 24, 180°, Box