



General ordering data

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| Order No. | 1840160000 |
| Part designation | SL-SMT5.00/6/90G 3.2SN SW BOX |
| Version | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 6, 90°, Box |
| EAN | 4032248350902 |
| Qty. | 50 pc(s). |

System parameters

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|-----------------------------|--------------------------|
| Fitted to PCB | Reflow solder connection |
| Outgoing elbow | 90° |
| Pitch | 5 mm |
| Pitch in inch | 0.197 inch |
| No. of poles | 6 |
| Solder pin length | 3.2 mm |
| Can be coded | Yes |
| No. of rows | 1 |
| No. of solder pins per pole | 1 |
| Fitting hole tolerance | + 0.1 mm |
| L1 in mm | 25 mm |
| L1 in inch | 0.984 inch |
| Insulation resistance | 1 MΩ |

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 |
| CTI | ≥ 175 |
| 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 |
|------------|-------------------------------|---|
| 1797080000 | SL-SMT5.00/2/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 2, 90°, Box |
| 1840120000 | SL-SMT5.00/2/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 2, 90°, Box |
| 1797090000 | SL-SMT5.00/3/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 3, 90°, Box |
| 1840130000 | SL-SMT5.00/3/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 3, 90°, Box |
| 1797100000 | SL-SMT5.00/4/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 4, 90°, Box |
| 1840140000 | SL-SMT5.00/4/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 4, 90°, Box |
| 1797110000 | SL-SMT5.00/5/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 5, 90°, Box |
| 1840150000 | SL-SMT5.00/5/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 5, 90°, Box |
| 1797120000 | SL-SMT5.00/6/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 6, 90°, Box |
| 1797130000 | SL-SMT5.00/7/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 7, 90°, Box |
| 1840170000 | SL-SMT5.00/7/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 7, 90°, Box |
| 1797140000 | SL-SMT5.00/8/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 8, 90°, Box |

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| 1840180000 | SL-SMT5.00/8/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 8, 90°, Box |
| 1797150000 | SL-SMT5.00/9/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 9, 90°, Box |
| 1840190000 | SL-SMT5.00/9/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 9, 90°, Box |
| 1797160000 | SL-SMT5.00/10/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 1840200000 | SL-SMT5.00/10/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 10, 90°, Box |
| 1797170000 | SL-SMT5.00/11/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 1840210000 | SL-SMT5.00/11/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 11, 90°, Box |
| 1797180000 | SL-SMT5.00/12/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| 1840220000 | SL-SMT5.00/12/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 12, 90°, Box |
| 1797190000 | SL-SMT5.00/13/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 13, 90°, Box |
| 1840230000 | SL-SMT5.00/13/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 13, 90°, Box |
| 1797200000 | SL-SMT5.00/14/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 14, 90°, Box |
| 1840240000 | SL-SMT5.00/14/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 14, 90°, Box |
| 1797210000 | SL-SMT5.00/15/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 15, 90°, Box |
| 1840250000 | SL-SMT5.00/15/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 15, 90°, Box |
| 1797220000 | SL-SMT5.00/16/90G 1.5SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 16, 90°, Box |
| 1840260000 | SL-SMT5.00/16/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 16, 90°, Box |
| 1840270000 | SL-SMT5.00/17/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 17, 90°, Box |
| 1840280000 | SL-SMT5.00/18/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 18, 90°, Box |
| 1840290000 | SL-SMT5.00/19/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 19, 90°, Box |
| 1840300000 | SL-SMT5.00/20/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 20, 90°, Box |
| 1840310000 | SL-SMT5.00/21/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 21, 90°, Box |
| 1840320000 | SL-SMT5.00/22/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 22, 90°, Box |
| 1840330000 | SL-SMT5.00/23/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 23, 90°, Box |
| 1840340000 | SL-SMT5.00/24/90G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 5.00 mm, No. of poles: 24, 90°, Box |