



General ordering data

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| Order No. | 1756960000 |
| Part designation | S2L 3.5/6/180F3.5AU OR |
| Version | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box |
| EAN | 4032248042753 |
| Qty. | 50 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 | 6 |
| Solder pin length | 3.5 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 | 7 mm |
| L1 in inch | 0.276 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 | PBT |
| Colour | orange |
| colour chart | Similar to RAL 2000 |
| Insulating material group | IIIa |
| Flammability class UL 94 | V-0 |
| CTI | >= 200 |
| Contact base material | Copper alloy |
| Contact surface | gold-plated |

Material data

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| 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 | 80 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 | 2.5 kV |
| Rated voltage for overvoltage class/pollution severity II/2 | 250 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 2.5 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) | 7 A |

Approvals

Approvals institutes



Downloads

| | |
|---------------------------------------|-------------|
| CAD Library (P-CAD Format - Standard) | S2L-SMT.LIB |
|---------------------------------------|-------------|

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 |
|------------|-------------------------|--|
| 1729430000 | S2L 3.5/6/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box |
| 1729590000 | S2L 3.5/6/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box |
| 1729440000 | S2L 3.5/8/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box |
| 1729600000 | S2L 3.5/8/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box |
| 1756970000 | S2L 3.5/8/180F3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box |
| 1729450000 | S2L 3.5/10/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1756980000 | S2L 3.5/10/180F3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1757140000 | S2L 3.5/10/180F3.5AU SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1729460000 | S2L 3.5/12/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1729620000 | S2L 3.5/12/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1756990000 | S2L 3.5/12/180F3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1729470000 | S2L 3.5/14/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Box |
| 1729630000 | S2L 3.5/14/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Box |
| 1729480000 | S2L 3.5/16/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1729640000 | S2L 3.5/16/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1757170000 | S2L 3.5/16/180F3.5AU SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1729490000 | S2L 3.5/18/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Box |
| 1757020000 | S2L 3.5/18/180F3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Box |
| 1729500000 | S2L 3.5/20/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1729660000 | S2L 3.5/20/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1757030000 | S2L 3.5/20/180F3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1729510000 | S2L 3.5/22/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Box |
| 1757200000 | S2L 3.5/22/180F3.5AU SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Box |
| 1729520000 | S2L 3.5/24/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |

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| 1729680000 | S2L 3.5/24/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |
| 1757050000 | S2L 3.5/24/180F3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |
| 1729530000 | S2L 3.5/26/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 26, 180°, Box |
| 1729690000 | S2L 3.5/26/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 26, 180°, Box |
| 1729540000 | S2L 3.5/28/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 180°, Box |
| 1729700000 | S2L 3.5/28/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 180°, Box |
| 1757070000 | S2L 3.5/28/180F3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 180°, Box |
| 1729550000 | S2L 3.5/30/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| 1757080000 | S2L 3.5/30/180F3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| 1729560000 | S2L 3.5/32/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 180°, Box |
| 1729720000 | S2L 3.5/32/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 180°, Box |
| 1757250000 | S2L 3.5/32/180F3.5AU SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 180°, Box |
| 1729570000 | S2L 3.5/34/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 34, 180°, Box |
| 1757260000 | S2L 3.5/34/180F3.5AU SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 34, 180°, Box |
| 1729580000 | S2L 3.5/36/180F3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 180°, Box |
| 1729740000 | S2L 3.5/36/180F3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 180°, Box |