



General ordering data

| | |
|------------------|--|
| Order No. | 1728900000 |
| Part designation | S2L 3.5/28/180G3.5SN OR |
| Version | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 28, 180°, Box |
| EAN | 4032248040339 |
| Qty. | 20 pc(s). |

System parameters

| | |
|---|------------------------------|
| Fitted to PCB | Soldered connection |
| Outgoing elbow | 180° |
| Pitch | 3.5 mm |
| Pitch in inch | 0.138 inch |
| No. of poles | 28 |
| 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 | 45.5 mm |
| L1 in inch | 1.791 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

| | |
|---------------------------|---------------------|
| 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 | tinned |

Material data

| | |
|---------------------------------------|--------|
| 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

| | |
|--|------------------|
| 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

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

UL 1059 rating data

| | |
|-----------------------------|-------|
| 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

| | |
|------------|-------------|
| 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 |
|------------|-------------------------|--|
| 1728790000 | S2L 3.5/6/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box |
| 1728950000 | S2L 3.5/6/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box |
| 1756320000 | S2L 3.5/6/180G3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box |
| 1728800000 | S2L 3.5/8/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box |
| 1728960000 | S2L 3.5/8/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box |
| 1728810000 | S2L 3.5/10/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1728970000 | S2L 3.5/10/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1756340000 | S2L 3.5/10/180G3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1728820000 | S2L 3.5/12/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1728980000 | S2L 3.5/12/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1756350000 | S2L 3.5/12/180G3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1728830000 | S2L 3.5/14/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Box |
| 1728990000 | S2L 3.5/14/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Box |
| 1728840000 | S2L 3.5/16/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1729000000 | S2L 3.5/16/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1756530000 | S2L 3.5/16/180G3.5AU SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1728850000 | S2L 3.5/18/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Box |
| 1729010000 | S2L 3.5/18/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Box |
| 1756380000 | S2L 3.5/18/180G3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Box |
| 1728860000 | S2L 3.5/20/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1729020000 | S2L 3.5/20/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1756390000 | S2L 3.5/20/180G3.5AU OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1728870000 | S2L 3.5/22/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Box |
| 1729030000 | S2L 3.5/22/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Box |

| | | |
|------------|-------------------------|--|
| 1728880000 | S2L 3.5/24/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |
| 1729040000 | S2L 3.5/24/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |
| 1728890000 | S2L 3.5/26/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 26, 180°, Box |
| 1728910000 | S2L 3.5/30/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| 1728920000 | S2L 3.5/32/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 32, 180°, Box |
| 1728930000 | S2L 3.5/34/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 34, 180°, Box |
| 1729100000 | S2L 3.5/36/180G3.5SN SW | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 180°, Box |
| 1728940000 | S2L 3.5/36/180G3.5SN OR | PCB plug-in connector, Male connectors, Soldered connection, Pitch: 3.50 mm, No. of poles: 36, 180°, Box |