



#### General ordering data

|                  |   |
|------------------|---|
| Order No.        | 1794670000  |
| Part designation | S2L-SMT3.5/34/180G SN   |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 34, 180°, Box |
| EAN              | 4032248231850   |
| Qty.             | 20 pc(s).   |

#### System parameters

|   |                          |
|---|--------------------------|
| Fitted to PCB                             | Reflow solder connection |
| Outgoing elbow                            | 180°                     |
| Pitch                                     | 3.5 mm                   |
| Pitch in inch                             | 0.138 inch               |
| No. of poles                              | 34                       |
| 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                                  | 56 mm                    |
| L1 in inch                                | 2.205 inch               |
| Electric shock protection to DIN VDE 0470 | IP 10                    |

#### System parameters

Electric shock protection to DIN VDE 0470      Safe from back-of-hand touch

#### Material data

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

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

|                             |      |
|-----------------------------|------|
| 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) | 10 A  |

#### Approvals

Approvals institutes



#### 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   |
|------------|-----------------------|---|
| 1924530000 | S2L-SMT3.5/4/180G SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 180°, Box  |
| 1794530000 | S2L-SMT3.5/6/180G SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box  |
| 1794540000 | S2L-SMT3.5/8/180G SN  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box  |
| 1794550000 | S2L-SMT3.5/10/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1794560000 | S2L-SMT3.5/12/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1794570000 | S2L-SMT3.5/14/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Box |
| 1794580000 | S2L-SMT3.5/16/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1794590000 | S2L-SMT3.5/18/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Box |
| 1794600000 | S2L-SMT3.5/20/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1794610000 | S2L-SMT3.5/22/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Box |
| 1794620000 | S2L-SMT3.5/24/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |
| 1794630000 | S2L-SMT3.5/26/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 26, 180°, Box |
| 1794640000 | S2L-SMT3.5/28/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 28, 180°, Box |
| 1794650000 | S2L-SMT3.5/30/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 30, 180°, Box |
| 1794660000 | S2L-SMT3.5/32/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 32, 180°, Box |
| 1794680000 | S2L-SMT3.5/36/180G SN | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 36, 180°, Box |