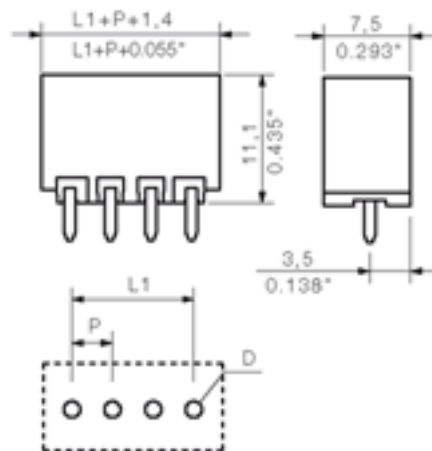
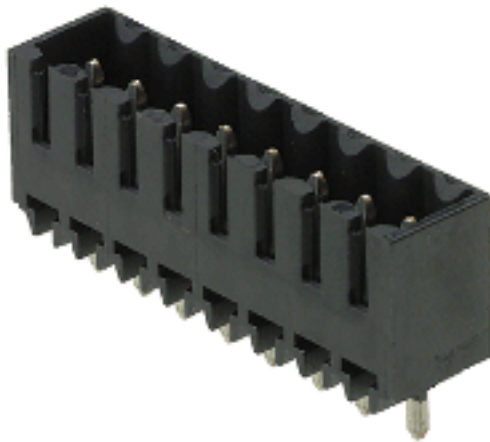




#### General ordering data

|                  |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
| Order No.        | 1842370000                                                                                                   |
| Part designation | SL-SMT3.5/7/180G 3.2SN SW BOX                                                                                |
| Version          | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 180°, Box |
| EAN              | 4032248353729                                                                                                |
| Qty.             | 50 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                | 7                        |
| Solder pin length           | 3.2 mm                   |
| Can be coded                | Yes                      |
| No. of rows                 | 1                        |
| No. of solder pins per pole | 1                        |
| Dia. of fitting hole        | 1.4 mm                   |
| Fitting hole tolerance      | + 0.1 mm                 |
| L1 in mm                    | 21 mm                    |
| L1 in inch                  | 0.827 inch               |
| Insulation resistance       | 1 MΩ                     |

#### System parameters

|                                           |                              |
|-------------------------------------------|------------------------------|
| 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                   | LCP GF              |
| Colour                                | black               |
| colour chart                          | Similar to RAL 9011 |
| Insulating material group             | IIIa                |
| Flammability class UL 94              | V-0                 |
| CTI                                   | $\geq 175$          |
| Temperature of glow-wire test         | 960 °C              |
| Duration of glow-wire test            | 30 S                |
| Contact base material                 | CuSn                |
| Contact surface                       | tinned              |
| Constant operating temp., min.        | -25 °C              |
| Constant operating temp., max.        | 100 °C              |
| Storage temperature, min.             | -25 °C              |
| Storage temperature, max.             | 55 °C               |
| Max. relative humidity during storage | 80 %                |

#### DIN IEC rating data

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| Rated current, min. No. pins (Tu=20°C)                                         | 15 A              |
| Rated current, max. No. pins (Tu=20°C)                                         | 12 A              |
| Rated current, min. No. pins (Tu=40°C)                                         | 13 A              |
| Rated current, max. No. pins (Tu=40°C)                                         | 10 A              |
| Rated voltage for overvoltage class/pollution severity III/3                   | 160 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2.5 kV            |
| Rated voltage for overvoltage class/pollution severity III/2                   | 160 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2.5 kV            |
| Rated voltage for overvoltage class/pollution severity II/2                    | 320 V             |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2  | 2.5 kV            |
| Short-time withstand current resistance                                        | 3 x 1s with 100 A |

#### CSA rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |

#### UL 1059 rating data

|                             |       |
|-----------------------------|-------|
| Rated voltage (Use group D) | 300 V |
| Rated current (Use group D) | 10 A  |

## Approvals

Approvals institutes



## Downloads

CAD Library (P-CAD Format - Standard) SL-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 | 27-26-07-04 |

## Similar products

| Order No.  | Part designation              | Version                                                                                                      |
|------------|-------------------------------|--------------------------------------------------------------------------------------------------------------|
| 1752982001 | SL-SMT3.5/2/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 180°, Box |
| 1842320000 | SL-SMT3.5/2/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 2, 180°, Box |
| 1752992001 | SL-SMT3.5/3/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 180°, Box |
| 1842330000 | SL-SMT3.5/3/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 3, 180°, Box |
| 1753002001 | SL-SMT3.5/4/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 180°, Box |
| 1842340000 | SL-SMT3.5/4/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 4, 180°, Box |
| 1753012001 | SL-SMT3.5/5/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 180°, Box |
| 1842350000 | SL-SMT3.5/5/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 5, 180°, Box |
| 1753022001 | SL-SMT3.5/6/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box |
| 1842360000 | SL-SMT3.5/6/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 6, 180°, Box |

|            |                                |                                                                                                               |
|------------|--------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1753032001 | SL-SMT3.5/7/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 7, 180°, Box  |
| 1753042001 | SL-SMT3.5/8/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box  |
| 1842380000 | SL-SMT3.5/8/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 8, 180°, Box  |
| 1753052001 | SL-SMT3.5/9/180G 1.5SN         | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 180°, Box  |
| 1842390000 | SL-SMT3.5/9/180G 3.2SN SW BOX  | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 9, 180°, Box  |
| 1753062001 | SL-SMT3.5/10/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1836990000 | SL-SMT3.5/10/180G 3.2SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 10, 180°, Box |
| 1753072001 | SL-SMT3.5/11/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 180°, Box |
| 1842400000 | SL-SMT3.5/11/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 11, 180°, Box |
| 1753082001 | SL-SMT3.5/12/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1842410000 | SL-SMT3.5/12/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 12, 180°, Box |
| 1753092001 | SL-SMT3.5/13/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 13, 180°, Box |
| 1842420000 | SL-SMT3.5/13/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 13, 180°, Box |
| 1753102001 | SL-SMT3.5/14/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Box |
| 1842430000 | SL-SMT3.5/14/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 14, 180°, Box |
| 1753112001 | SL-SMT3.5/15/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 15, 180°, Box |
| 1842440000 | SL-SMT3.5/15/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 15, 180°, Box |
| 1753122001 | SL-SMT3.5/16/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1842450000 | SL-SMT3.5/16/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 16, 180°, Box |
| 1753132001 | SL-SMT3.5/17/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 17, 180°, Box |
| 1842460000 | SL-SMT3.5/17/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 17, 180°, Box |
| 1753142001 | SL-SMT3.5/18/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Box |
| 1842470000 | SL-SMT3.5/18/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 18, 180°, Box |
| 1753152001 | SL-SMT3.5/19/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 19, 180°, Box |
| 1842480000 | SL-SMT3.5/19/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 19, 180°, Box |
| 1753162001 | SL-SMT3.5/20/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |

|            |                                |                                                                                                               |
|------------|--------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1842490000 | SL-SMT3.5/20/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 20, 180°, Box |
| 1753172001 | SL-SMT3.5/21/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 21, 180°, Box |
| 1842500000 | SL-SMT3.5/21/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 21, 180°, Box |
| 1753182001 | SL-SMT3.5/22/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Box |
| 1842510000 | SL-SMT3.5/22/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 22, 180°, Box |
| 1753192001 | SL-SMT3.5/23/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 23, 180°, Box |
| 1842520000 | SL-SMT3.5/23/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 23, 180°, Box |
| 1753202001 | SL-SMT3.5/24/180G 1.5SN        | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |
| 1842530000 | SL-SMT3.5/24/180G 3.2SN SW BOX | PCB plug-in connector, Male connectors, Reflow solder connection, Pitch: 3.50 mm, No. of poles: 24, 180°, Box |