



System parameters

| | |
|-----------------------------|--------------------------|
| Fitted to PCB | Reflow solder connection |
| Pitch | 3,50 mm |
| Pitch in inch | 0,138 inch |
| Number of poles | 2 |
| Length of soldering post | 1,5 mm |
| Codable | 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 | 3,50 mm |
| L1 in inch | 0,138 inch |
| Insulation resistance | 1 MΩ |

Material data

| | |
|---------------------------------------|--------|
| Insulation material | LCP GF |
| Colour | black |
| Insulating material group | IIIa |
| UL 94 combustibility class | V-0 |
| CTI | ≥ 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 | 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 100 A |

CSA rating data

| | |
|---------------|-------|
| Rated voltage | 300 V |
| Rated current | 10 A |

UL 1059 rating data

| | |
|---------------|-------|
| Rated voltage | 300 V |
| Rated current | 10 A |

Approvals

Approvals



Classifications

| | |
|------------|-------------|
| ETIM 2.0 | NK |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |

General ordering data

| | |
|-------------------------|------------------------|
| Order No. | 1752982001 |
| Short text for material | SL-SMT3.5/2/180G 1.5SN |
| EAN | 4032248130887 |

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Related products

| Order No. | Short text for material | Number of poles |
|------------|-------------------------------|-----------------|
| 1842320000 | SL-SMT3.5/2/180G 3.2SN SW BOX | 2 |
| 1752992001 | SL-SMT3.5/3/180G 1.5SN | 3 |
| 1842330000 | SL-SMT3.5/3/180G 3.2SN SW BOX | 3 |
| 1753002001 | SL-SMT3.5/4/180G 1.5SN | 4 |
| 1842340000 | SL-SMT3.5/4/180G 3.2SN SW BOX | 4 |
| 1753012001 | SL-SMT3.5/5/180G 1.5SN | 5 |
| 1842350000 | SL-SMT3.5/5/180G 3.2SN SW BOX | 5 |
| 1753022001 | SL-SMT3.5/6/180G 1.5SN | 6 |
| 1842360000 | SL-SMT3.5/6/180G 3.2SN SW BOX | 6 |

| | | |
|------------|--------------------------------|----|
| 1753032001 | SL-SMT3.5/7/180G 1.5SN | 7 |
| 1842370000 | SL-SMT3.5/7/180G 3.2SN SW BOX | 7 |
| 1753042001 | SL-SMT3.5/8/180G 1.5SN | 8 |
| 1842380000 | SL-SMT3.5/8/180G 3.2SN SW BOX | 8 |
| 1753052001 | SL-SMT3.5/9/180G 1.5SN | 9 |
| 1842390000 | SL-SMT3.5/9/180G 3.2SN SW BOX | 9 |
| 1753062001 | SL-SMT3.5/10/180G 1.5SN | 10 |
| 1836990000 | SL-SMT3.5/10/180G 3.2SN | 10 |
| 1753072001 | SL-SMT3.5/11/180G 1.5SN | 11 |
| 1842400000 | SL-SMT3.5/11/180G 3.2SN SW BOX | 11 |
| 1753082001 | SL-SMT3.5/12/180G 1.5SN | 12 |
| 1842410000 | SL-SMT3.5/12/180G 3.2SN SW BOX | 12 |
| 1753092001 | SL-SMT3.5/13/180G 1.5SN | 13 |
| 1842420000 | SL-SMT3.5/13/180G 3.2SN SW BOX | 13 |
| 1753102001 | SL-SMT3.5/14/180G 1.5SN | 14 |
| 1842430000 | SL-SMT3.5/14/180G 3.2SN SW BOX | 14 |
| 1753112001 | SL-SMT3.5/15/180G 1.5SN | 15 |
| 1842440000 | SL-SMT3.5/15/180G 3.2SN SW BOX | 15 |
| 1753122001 | SL-SMT3.5/16/180G 1.5SN | 16 |
| 1842450000 | SL-SMT3.5/16/180G 3.2SN SW BOX | 16 |
| 1753132001 | SL-SMT3.5/17/180G 1.5SN | 17 |
| 1842460000 | SL-SMT3.5/17/180G 3.2SN SW BOX | 17 |
| 1753142001 | SL-SMT3.5/18/180G 1.5SN | 18 |
| 1842470000 | SL-SMT3.5/18/180G 3.2SN SW BOX | 18 |
| 1753152001 | SL-SMT3.5/19/180G 1.5SN | 19 |
| 1842480000 | SL-SMT3.5/19/180G 3.2SN SW BOX | 19 |
| 1753162001 | SL-SMT3.5/20/180G 1.5SN | 20 |
| 1842490000 | SL-SMT3.5/20/180G 3.2SN SW BOX | 20 |
| 1753172001 | SL-SMT3.5/21/180G 1.5SN | 21 |
| 1842500000 | SL-SMT3.5/21/180G 3.2SN SW BOX | 21 |
| 1753182001 | SL-SMT3.5/22/180G 1.5SN | 22 |
| 1842510000 | SL-SMT3.5/22/180G 3.2SN SW BOX | 22 |
| 1753192001 | SL-SMT3.5/23/180G 1.5SN | 23 |
| 1842520000 | SL-SMT3.5/23/180G 3.2SN SW BOX | 23 |
| 1753202001 | SL-SMT3.5/24/180G 1.5SN | 24 |
| 1842530000 | SL-SMT3.5/24/180G 3.2SN SW BOX | 24 |