



CSA rating data

| | |
|---------------------------------------|-------|
| Rated (nominal) current, user group D | 10 A |
| Rated voltage, user group D | 300 V |

DIN IEC rating data

| | |
|--|-------------------|
| Rated voltage for overvoltage class/pollution severity III/2 | 160 V |
| Rated voltage for overvoltage class/pollution severity II/2 | 250 V |
| Rated current, min. No. pins (Tu=40°C) | 14,5 A |
| Rated current, max. No. pins (Tu=40°C) | 10 A |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2,5 kV |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 2,5 kV |
| Rated current, min. No. pins (Tu=20°C) | 17 A |
| Short-time withstand current resistance | 3 x 1s with 100 A |
| Rated current, max. No. pins (Tu=20°C) | 12 A |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2,5 kV |
| Rated voltage for overvoltage class/pollution severity III/3 | 160 V |

Material data

| | |
|---------------------------------------|---------|
| Max. relative humidity during storage | 80 % |
| Storage temperature, min. | -25 °C |
| Storage temperature, max. | 55 °C |
| Contact surface | tinned |
| Insulation material | PBT |
| Constant operating temp., min. | -250 °C |
| Constant operating temp., max. | 100 °C |
| CTI | >= 200 |
| UL 94 combustibility class | V-0 |
| Contact base material | CuSn |
| Insulating material group | IIIa |
| Colour | orange |

System parameters

| | |
|---|------------------------------|
| Pitch | 3,50 mm |
| Fitting hole tolerance | + 0.1 mm |
| Outgoing elbow | 180° |
| No. of solder pins per pole | 1 |
| No. of rows | 1 |
| Electric shock protection to DIN VDE 0470 | Safe from back-of-hand touch |
| Dia. of fitting hole | 1,3 mm |
| Insulation resistance | 1 MΩ |
| Codable | yes |
| Fitted to PCB | Soldered connection |
| L1 in inch | 0,965 inch |
| L1 in mm | 24,50 mm |
| Pitch in inch | 0,138 inch |
| Number of poles | 8 |
| Length of soldering post | 3,2 mm |

UL 1059 rating data

| | |
|-----------------------------|-------|
| Rated voltage, user group D | 300 V |
| Rated current (UL 1059) | 10 A |

Approvals

| | |
|--|-------|
| Rated voltage for overvoltage class/pollution severity III/2 | 160 V |
| Rated voltage for overvoltage class/pollution severity II/2 | 250 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 160 V |

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. | 1604530000 |
| Short text for material | SL 3.5/8/180G3.2SN OR |
| EAN | 4008190090975 |

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of 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 |
|------------|-------------------------|-----------------|
| 1604470000 | SL 3.5/2/180G3.2SN OR | 2 |
| 1604480000 | SL 3.5/3/180G3.2SN OR | 3 |
| 1604490000 | SL 3.5/4/180G3.2SN OR | 4 |
| 1604500000 | SL 3.5/5/180G3.2SN OR | 5 |
| 1604510000 | SL 3.5/6/180G3.2SN OR | 6 |
| 1604520000 | SL 3.5/7/180G3.2SN OR | 7 |
| 1604540000 | SL 3.5/9/180G3.2SN OR | 9 |
| 1604550000 | SL 3.5/10/180G3.2SN OR | 10 |
| 1604560000 | SL 3.5/11/180G3.2SN OR | 11 |
| 1604570000 | SL 3.5/12/180G3.2SN OR | 12 |
| 1604580000 | SL 3.5/13/180G3.2SN OR | 13 |
| 1604590000 | SL 3.5/14/180G3.2SN OR | 14 |
| 1604600000 | SL 3.5/15/180G3.2SN OR | 15 |
| 1604610000 | SL 3.5/16/180G3.2SN OR | 16 |
| 1621790000 | SL 3.5/17/180G3.2SN OR | 17 |
| 1621800000 | SL 3.5/18/180G3.2SN OR | 18 |
| 1621810000 | SL 3.5/19/180G3.2SN OR | 19 |
| 1621820000 | SL 3.5/20/180G3.2SN OR | 20 |
| 1621830000 | SL 3.5/21/180G3.2SN OR | 21 |
| 1621840000 | SL 3.5/22/180G3.2SN OR | 22 |
| 1621850000 | SL 3.5/23/180G3.2SN OR | 23 |
| 1621860000 | SL 3.5/24/180G3.2SN OR | 24 |