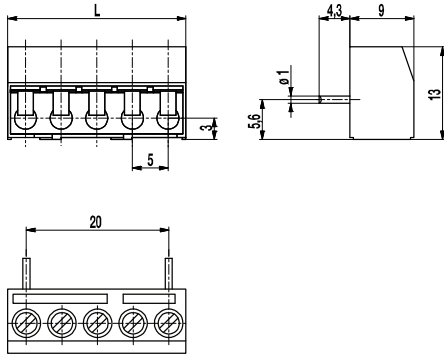


PCB connector

971-X..(-DS)

Screw connection, wire entrance vertical to PCB, 2 to 12 screw connections at only one pole



The PCB screw connector 971-X with a "pitch" of 5 mm has 2 to 12 screw connections at only one pole and can be used e.g. as potential distributors. This allows to loop through earth conductors easily.

Wire protection in DS-design reliably prevents damage to stranded wires by the screw.

The wire entrance is vertical to the PCB.

A latchable version with 2 to 4 screw connections at one pole is available as type 971-TX..

NOTE:

The pole numbers indicated in the article number do not designate the actual number of poles but the number of screw connections instead!

Part Numbers

| No. of poles | 971-X.. | 971-X...-DS | Length | Pcs |
|--------------|------------|-------------|--------|-----|
| 5 | 10.872.555 | 20.872.555 | 25,00 | 100 |
| 6 | 10.872.556 | 20.872.556 | 30,00 | 100 |
| 7 | 10.872.557 | 20.872.557 | 35,00 | 100 |
| 8 | 10.872.558 | 20.872.558 | 40,00 | 100 |
| 9 | 10.872.559 | 20.872.559 | 45,00 | 100 |
| 10 | 10.872.560 | 20.872.560 | 50,00 | 100 |
| 11 | 10.872.561 | 20.872.561 | 55,00 | 100 |
| 12 | 10.872.562 | 20.872.562 | 60,00 | 100 |

further number of poles on request

General Information

| | |
|--------------|------|
| Pitch | 5 mm |
| No. of poles | 1 |

Technical Data

| | | | |
|-------------------------------|---|-------|-------|
| Clamping Range | <i>solid / flexible / AWG</i> | | |
| <i>without wire protector</i> | 1 - 6 mm ² / 1 - 2,5 mm ² / 16 - 12 AWG | | |
| <i>with wire protector</i> | 0,75 - 4 mm ² / 0,75 - 2,5 mm ² / 18 - 12 AWG | | |
| Rated Cross Section | 2,5 mm ² | | |
| Wire Stripping Length | 6,5 mm ± 0,5 mm | | |
| Overvoltage Category | III | III | II |
| Pollution Severity Level | 3 | 2 | 2 |
| Rated Voltage | 250 V | 320 V | 630 V |
| Rated Impulse Voltage | 4 kV | 4 kV | 4 kV |
| Rated Insulation Voltage | 250 V acc. to EN 60998-1 | | |
| Rated Current | 24 A | | |
| Hole in PCB | ø 1,3 mm | | |
| Torque | 0,5 Nm | | |

Material

| | |
|----------------------------|--|
| Moulding | PA, grey, V-0 |
| Comparative Tracking Index | CTI ≥ 600 |
| Insulating Group | I |
| Temperature Range | -40°C up to 100°C |
| Terminal Body | Tin plated brass |
| Screw | M3; zinc plated steel, blue passivated |
| Solder pin | ø 1 mm; tin plated brass |
| Wire protector | Tin plated tin bronze |

Approvals

| | Current | Voltage | Group | AWG | Nm |
|--|---------|---------|-----------------|---------|------|
| | 20 | 300 | B | 26 - 12 | 0,51 |
| | 10 | 300 | D, E | 26 - 12 | 0,51 |
| | Current | Voltage | mm ² | | |
| | 24 | 400 | 2,5 | | |

Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-5,00
- Other P.C. pin lengths on request
- P.C. pins with different lengths between each other
- Other position of P.C. pins
- Version with extended wire entrance