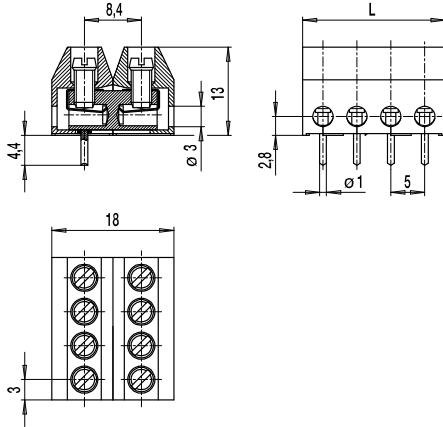


# PCB connector

## 971-DOPG(-DS)

Screw connection, 2 clamping units per pole



The 971-DOP terminal is based on our well known 970 terminals. However, it has 2 clamping units positioned behind one another. This is a space efficient terminal solution. The versions with solder pin (called -DOPG) are used for direct application onto the printed circuit board.

The terminal 971-DOPG-TX contains a one piece terminal body for all connections. This means all wires have the same potential. Combinations of WECO standard terminals with a single clamping unit per pole are possible. Therefore is the 2 and 3 pole version also available with dovetail feature.

### Part Numbers

| No. of poles | 971-DOPG   | 971-DOPG-DS | Length | Pcs |
|--------------|------------|-------------|--------|-----|
| 2            | 84.872.102 | 94.872.102  | 11,00  | 100 |
| 3            | 84.872.103 | 94.872.103  | 16,00  | 100 |
| 4            | 84.872.104 | 94.872.104  | 21,00  | 300 |
| 5            | 84.872.105 | 94.872.105  | 26,00  | 50  |
| 6            | 84.872.106 | 94.872.106  | 31,00  | 50  |
| 8            | 84.872.108 | 94.872.108  | 41,00  | 50  |

further number of poles on request

### General Information

|              |       |
|--------------|-------|
| Pitch        | 5 mm  |
| No. of poles | 2 - 8 |

### Technical Data

|                               |   |       |       |
|-------------------------------|---|-------|-------|
| Clamping Range                | <i>solid / flexible / AWG</i>   |       |       |
| <i>without wire protector</i> | 1 - 1,5 mm <sup>2</sup> / 1 - 1,5 mm <sup>2</sup> / 16 AWG            |       |       |
| <i>with wire protector</i>    | 0,75 - 1,5 mm <sup>2</sup> / 0,75 - 1,5 mm <sup>2</sup> / 18 - 16 AWG |       |       |
| Rated Cross Section           | 1,5 mm <sup>2</sup>   |       |       |
| 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                 | 17,5 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 copper              |
| Wire protector             | Tin plated tin bronze                  |

### Approvals

|  | Current | Voltage | Group | AWG       | Nm   |
|--|---------|---------|-------|-----------|------|
|  | 20      | 300     | B     | 22-12 [1] | 0,51 |
|  | 10      | 300     | D     | 22-12 [1] | 0,51 |
|  | 20      | 300     | B     | 26 - 12   | 0,51 |
|  | 10      | 300     | D, E  | 26 - 12   | 0,51 |

[1] Min No. 26 AWG for factory-wiring only

### Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-5,00
- Pitch of 5,08 mm or 7,5 mm for larger clearance and creepage distances
- Other P.C. pin lengths on request
- Available without or with two solder pins
- Double clamping units to be combined with single clamping units
- 1 pole version with 4 clamping units (971-DOPG-TX2) on request