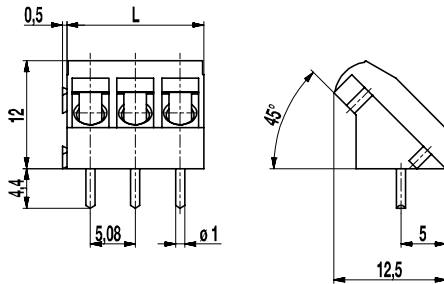


PCB connector

964-T(-DS)

Screw connection diagonal 45° to PCB, interlocking



The PCB connector 964-T is the inclined version with a pitch of 5,08 mm and available in 2- and 3 poles. It can be mounted side-by-side without pole loss.

Lateral latching elements on the housing allow to latch the PCB connector to longer terminal strips without pole loss.

The wire entrance is diagonal, i.e. in a 45° angle to the PC board. Therefore, this PCB connector is ideal for the assembly in the center of PCBs. The design of this PCB connector allows space-saving arrangement of consecutive rows of terminals.

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

The screws are secured against self-loosening.

For the grid connection, these PCB connectors are equipped with a M3 thread.

Part Numbers

| No. of poles | 964-T | 964-T-DS | Length | Pcs |
|--------------|------------|------------|--------|-----|
| 2 | 10.874.612 | 20.874.612 | 10,16 | 250 |
| 3 | 10.874.613 | 20.874.613 | 15,24 | 250 |

General Information

| | |
|--------------|---------|
| Pitch | 5,08 mm |
| No. of poles | 2 + 3 |



Technical Data

| | | | |
|-------------------------------|---|-------|-------|
| Clamping Range | <i>solid / flexible / AWG</i> | | |
| <i>without wire protector</i> | 1 - 6 mm ² / 1 - 4 mm ² / 16 - 12 AWG | | |
| <i>with wire protector</i> | 0,75 - 4 mm ² / 0,75 - 4 mm ² / 18 - 12 AWG | | |
| Rated Cross Section | 2,5 mm ² | | |
| Wire Stripping Length | 6,5 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, clear 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-5,08
- Longer P.C. pins up to 95 mm
- Special wire protector for very thin conductors

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