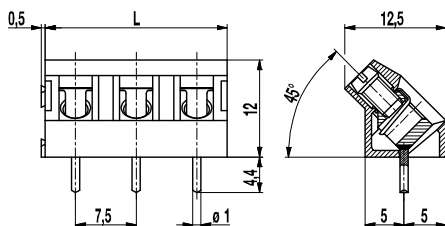


## PCB connector

### 976-T(-DS)

Screw connection 45°-angle to PCB, interlocking



The PCB connector 976-T, inclined version with a pitch of 7,5 mm is available with 2 and 3 poles. Lateral latching elements on the housing allow to latch the PCB connector to longer terminal strips without pole loss.

Due to their large clearance and creepage distances, these PCB connectors are particularly suitable for higher voltages.

The wire entrance is in a 45° angle diagonal 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.

#### Part Numbers

No. of poles	976-T	976-T-DS	Length	Pcs
2	10.874.232	20.874.232	15,00	250
3	10.874.233	20.874.233	22,50	250

#### General Information

Pitch	7,5 mm
No. of poles	2 + 3

#### Technical Data

Clamping Range	<i>solid / flexible / AWG</i>		
	<i>without wire protector</i> 1 - 6 mm <sup>2</sup> / 1 - 2,5 mm <sup>2</sup> / 16 - 12 AWG		
	<i>with wire protector</i> 0,75 - 4 mm <sup>2</sup> / 0,75 - 2,5 mm <sup>2</sup> / 18 - 12 AWG		
Rated Cross Section	2,5 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	400 V	630 V	1000 V
Rated Impulse Voltage	6 kV	6 kV	6 kV
Rated Insulation Voltage	750 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
	15	300	B	22-12 [1]	0,51
	20	300	B	26 - 12	0,51
	10	300	D, E	26 - 12	0,51
	Current	Voltage	mm <sup>2</sup>		
	24	750	2,5		

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

#### Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-7,50
- Longer P.C. pins up to 75 mm
- Special wire protector for very thin conductors