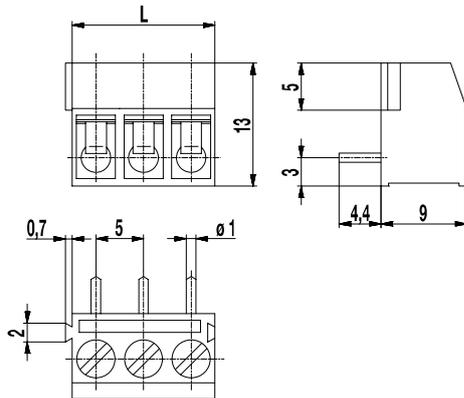


# 971-T(-DS)

PCB connector

Screw connection, wire entrance vertical to PCB, interlocking



The PCB connector 971-T with a pitch of 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.

Wire protection in DS-design reliably prevents damage to stranded wires by the screw. The wire entrance is vertical to the PCB.

The screws are secured against self-loosening. For the connection to the grid, these PCB connectors are equipped with a M3 thread.

## Part Numbers

No. of poles	971-T	971-T-DS	Length	PU
2	10.872.612	20.872.612	10,00	250
3	10.872.613	20.872.613	15,00	250

## General Information

Pitch	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	5,5 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 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 [A]	Voltage [V]	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
	Current [A]	Voltage [V]	[mm <sup>2</sup> ]		
	24	250	2,5 [2]		

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

[2] Acc. to IEC 60947-7-4 und IEC 60947-1

## Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-5,00
- Pitch of 10 mm for larger clearance and creepage distances
- Version with extended wire entrance
- Double wire protector as bridge
- With test holes, see 971-THM(-DS)