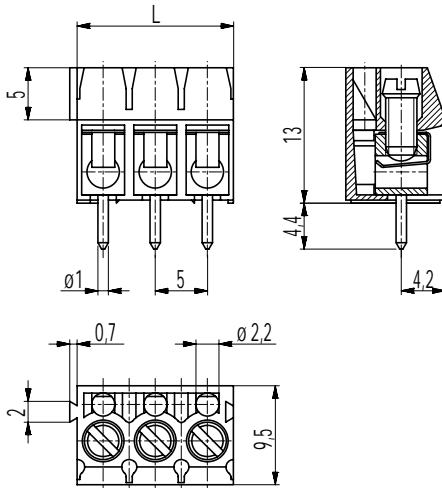
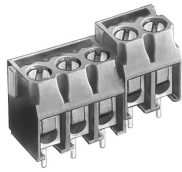


# 970-TMP(-DS)

PCB connector

Screw connection, with test holes, interlocking



The PCB connector 970-TMP with a pitch of 5 mm is available in 2- and 3-pole design.

Compared to the smaller PCB connector of series 950, it has a larger clamping range and larger clearance and creepage distances.

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

In addition, this version is equipped with a test hole per pole.

The wire protector of the "DS"-version reliably prevents damage to multi-wire flexible conductors by the turning screw.

The wire entrance is parallel to the PCB.

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	970-TMP	970-TMP-DS	Length	PU
2	10.872.232	20.872.232	10,00	250
3	10.872.233	20.872.233	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	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 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 copper alloy
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
- Longer solder pins up to 95 mm
- Version with two solder pins per pole
- Version with extended wire entrance
- Version with larger clamping range
- Double wire protector as bridge