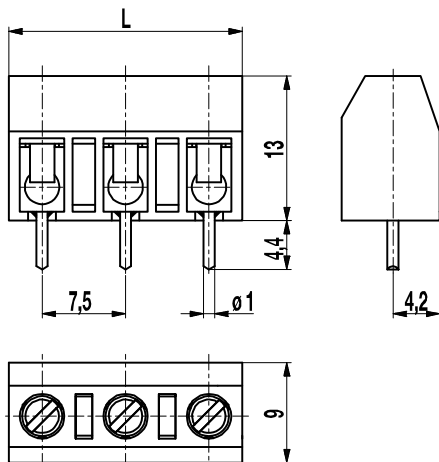
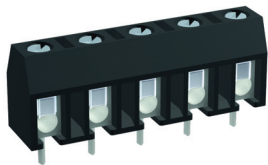


PCB connector 977-OP(-DS) Screw connection



The PCB connector 977-OP with a pitch of 7,5 mm is available in 2- to 19-pole design and can be mounted side-by-side in the nominal pitch. Due to their large clearance and creepage distances, these PCB connectors are particularly suitable for higher voltages.

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

The screws are secured against self-loosening.

Part Numbers

No. of poles	977-OP	977-OP-DS	Length	Pcs
2	10.872.332	20.872.332	13,50	250
3	10.872.333	20.872.333	21,00	250
4	10.872.334	20.872.334	28,50	200
5	10.872.335	20.872.335	36,00	100
6	10.872.336	20.872.336	43,50	100
7	10.872.337	20.872.337	51,00	100
8	10.872.338	20.872.338	58,50	100
9	10.872.339	20.872.339	66,00	100
10	10.872.340	20.872.340	73,50	100
11	10.872.341	20.872.341	81,00	100
12	10.872.342	20.872.342	88,50	100
13	10.872.343	20.872.343	96,00	100
14	10.872.344	20.872.344	103,50	100
15	10.872.345	20.872.345	111,00	100
16	10.872.346	20.872.346	118,50	100
17	10.872.347	20.872.347	126,00	100
18	10.872.348	20.872.348	133,50	100
19	10.872.349	20.872.349	141,00	100

General Information

Pitch	7,5 mm
No. of poles	2 - 19

Technical Data

Clamping Range	<i>solid / flexible / AWG</i>		
	<i>without wire protector</i> 1 - 6 mm ² / 1 - 2,5 mm ² / 16 - 12 AWG		
	<i>with wire protector</i> 0,75 - 4 mm ² / 0,75 - 2,5 mm ² / 18 - 12 AWG		
Rated Cross Section	2,5 mm ²		
Wire Stripping Length	6,5 mm ± 0,5 mm		
Overvoltage Category	III	III	II
Pollution Severity Level	3	2	2
Rated Voltage	400 V (320 V)	630 V (500 V)	1000 V (500V)
Rated Impulse Voltage	6 kV	6 kV	6 kV
Rated Insulation Voltage	450 V acc. to EN 60998-1		
Rated Current	24 A		
Hole in PCB	ø 1,3 mm		
Torque	0,5 Nm		
Other specifications	Rated voltage in brackets applies to 9-19-pole connectors, "no-flame" according to glow wire test applies to 2-8-pole connectors.		

Material

Moulding	PA, grey, V-0
Comparative Tracking Index	2-8 poles: CTI ≥ 600; 9-19 poles: CTI 250
Insulating Group	2-8 poles: I; 9-19 poles: IIIa
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
	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 ²		
	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 95 mm
- Version with larger clamping range