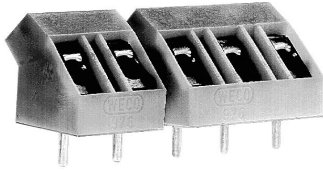


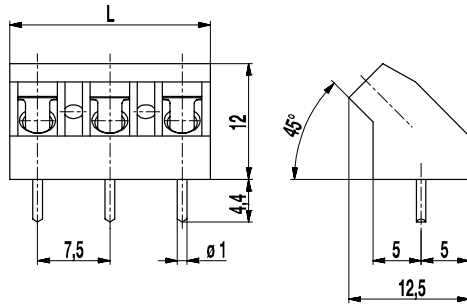
## 976(-DS)

PCB connector

Screw connection 45°-angle to PCB



 **RoHS**  
COMPLIANT



The PCB connector 976, inclined version with a pitch of 7,5 mm is available with 2 and 3 poles 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.

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	976-DS	Length	PU
2	10.874.204	20.874.204	13,30	250
3	10.874.205	20.874.205	20,80	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 [A]	Voltage [V]	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

[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
- Special wire protector for very thin conductors
- Version with raised foot of 1,6 mm