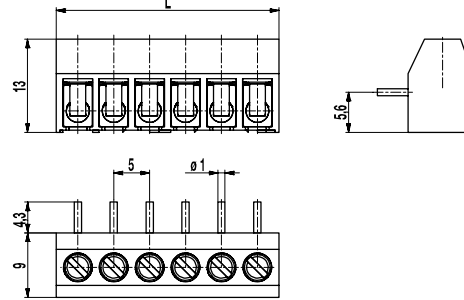


# 971-HG(-DS)

PCB connector

Screw connection, wire entrance vertical to PCB, extended insertion length



## GENERAL INFORMATION

Pitch	5 mm
No. of poles	2 - 32

## TECHNICAL DATA

Clamping Range	<i>solid / stranded / 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 (200 V)	320 V	630 V (400 V)
Rated Impulse Voltage	4 kV	4 kV	4 kV
Rated Insulation Voltage	250 V acc. to EN 60998-1		
Rated Current	24 A		
Hole in PCB	Ø 1,3 mm		
Torque	0,5 Nm		
Other specifications	Voltage data in brackets are valid for 9-32 poles types. 2-8 poles types are "no-flame" acc. to glow-wire test.		

## 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

## CONFIGURATIONS

Poles	Part number	Article number	Part number	Article number	Length (L)	Packaging	PU
2	971-HG/02	10.872.512	971-HG-DS/02	20.872.512	10,00 mm	Box	250
3	971-HG/03	10.872.513	971-HG-DS/03	20.872.513	15,00 mm	Box	250
4	971-HG/04	10.872.514	971-HG-DS/04	20.872.514	20,00 mm	Box	200
5	971-HG/05	10.872.515	971-HG-DS/05	20.872.515	25,00 mm	Box	100
6	971-HG/06	10.872.516	971-HG-DS/06	20.872.516	30,00 mm	Box	100

## MATERIAL

Moulding	PA, grey, V-0
Comparative Tracking Index	2-8 poles: CTI ≥ 600; 9-32 poles: CTI 400
Insulating Group	2-8 poles: I; 9-32 poles: II
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

## OPTIONS / ACCESSORIES

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-5,00
- Longer solder pins up to 75 mm
- Version with extended wire entrance
- Version with larger clamping range
- Double wire protector as bridge
- With test holes, see 971-HM(-DS)

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

