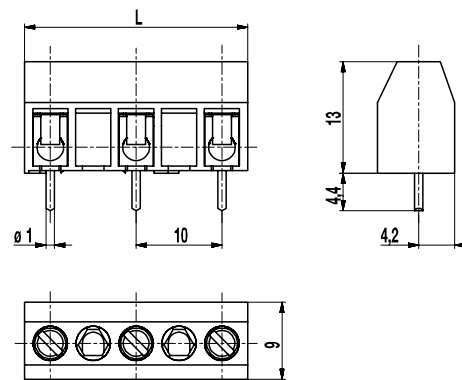
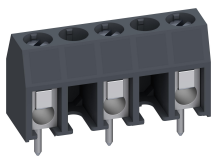


972(-DS)

PCB connector
Screw connection



GENERAL INFORMATION

Pitch	10 mm
No. of poles	2 - 16

TECHNICAL DATA

Clamping Range	solid / stranded / AWG		
without wire protector	1 - 6 mm ² / 1 - 2,5 mm ² / 16 - 12 AWG		
with wire protector	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	630 V (500 V)	630 V	1000 V
Rated Impulse Voltage	6 kV	6 kV	6 kV
Rated Current	24 A		
Hole in PCB	Ø 1,3 mm		
Torque	0,5 Nm		
Other specifications	Rated voltage in brackets applies to 5-16-pole connectors, "no-flame" according to glow wire test applies to 2-4-pole connectors.		

APPROVALS

	Current [A]	Voltage [V]	Group	AWG	[Nm]
	20	300	B	22-12 [1]	0,51
	20	150	C	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

MATERIAL

Moulding	PA, grey, V-0
Comparative Tracking Index	2-4 poles: CTI ≥ 600; 5-16 poles: CTI 400
Insulating Group	2-4 poles: I; 5-16 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 alloy
Wire protector	Tin plated tin bronze

OPTIONS / ACCESSORIES

- Marking according to customer requirement
- Self-adhesive marking strip BST-10,00
- Longer solder pins up to 95 mm
- Two solder pins per pole, please see 978-TY(-DS) in 5 mm pitch
- Version with extended wire entrance
- Version with larger clamping range

CONFIGURATIONS

Poles	Item	Article number	Item	Article number	Length (L)	Packaging	PU
2	972/02	12.872.003	972-DS/02	22.872.003	16,00 mm	Box	250
3	972/03	12.872.005	972-DS/03	22.872.005	26,00 mm	Box	100
4	972/04	12.872.007	972-DS/04	22.872.007	36,00 mm	Box	100
5	972/05	12.872.009	972-DS/05	22.872.009	46,00 mm	Box	100
6	972/06	12.872.011	972-DS/06	22.872.011	56,00 mm	Box	100
7	972/07	12.872.013	972-DS/07	22.872.013	66,00 mm	Box	100
8	972/08	12.872.015	972-DS/08	22.872.015	76,00 mm	Box	100
9	972/09	12.872.017	972-DS/09	22.872.017	86,00 mm	Box	100
10	972/10	12.872.019	972-DS/10	22.872.019	96,00 mm	Box	100
11	972/11	12.872.021	972-DS/11	22.872.021	106,00 mm	Box	100
12	972/12	12.872.023	972-DS/12	22.872.023	116,00 mm	Box	100

further number of poles on request

