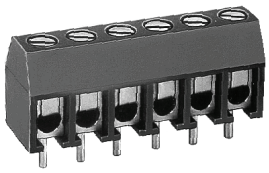
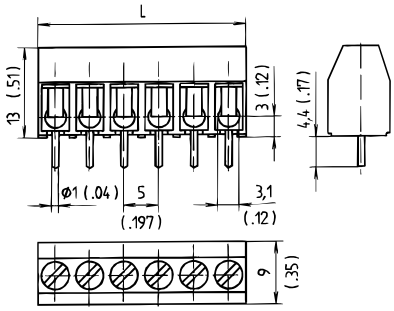
PCB connector
970(-DS)
Screw connection





Part Numbers

No. of poles	970	970-DS	Length	Pcs
2	10.872.002	20.872.002	11,00	250
3	10.872.003	20.872.003	16,00	250
4	10.872.004	20.872.004	21,00	200
5	10.872.005	20.872.005	26,00	100
6	10.872.006	20.872.006	31,00	100
7	10.872.007	20.872.007	36,00	100
8	10.872.008	20.872.008	41,00	100
9	10.872.009	20.872.009	46,00	100
10	10.872.010	20.872.010	51,00	100
11	10.872.011	20.872.011	56,00	100
12	10.872.012	20.872.012	61,00	100
13	10.872.013	20.872.013	66,00	100
14	10.872.014	20.872.014	71,00	100
15	10.872.015	20.872.015	76,00	100
16	10.872.016	20.872.016	81,00	100
17	10.872.017	20.872.017	86,00	100
18	10.872.018	20.872.018	91,00	100
19	10.872.019	20.872.019	96,00	100
20	10.872.020	20.872.020	101,00	100
21	10.872.021	20.872.021	106,00	100
22	10.872.022	20.872.022	111,00	100
23	10.872.023	20.872.023	116,00	100
24	10.872.024	20.872.024	121,00	100
25	10.872.025	20.872.025	126,00	100
26	10.872.026	20.872.026	131,00	100
27	10.872.027	20.872.027	136,00	100
28	10.872.028	20.872.028	141,00	100
29	10.872.029	20.872.029	146,00	100
30	10.872.030	20.872.030	151,00	100
31	10.872.031	20.872.031	156,00	100
32	10.872.032	20.872.032	161,00	100

General Information

Centre to centre spacing	5 mm
No. of poles	2 - 32
Additonal Information	

Technical Data

Clamping Range	*solid / flexible / AWG*
without wire protector	1 - 6 mm² / 1 - 2,5 mm² / 16 - 12 AWG
with wire protector	0,75 - 4 mm² / 0,75 - 2,5 mm² / 18 - 12 AWG
Rated Cross Section	2,5 mm²
Wire Stripping Length	6,5 mm
Overvoltage Category	III
Pollution Severity Level	3
Rated Voltage	250 V
Rated Impulse Voltage	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	Rated Voltage for 9 up to 32 poles types: III-3-200 V. 2 up to 8 poles types acc. to Household Appliance Standard EN/IEC 60335-1

Material

Moulding	PA, grey, V-0
Comparative Tracking Index	2-8 poles: CTI ≥ 600; 9-32 poles: CTI ≥ 250
Insulating Group	2-8 poles: I; 9-32 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 bronce

Approvals

	Current	Voltage	Group	AWG	Nm
	20	300	B,D	22 - 12	0,51 (1)
	20	300	B	26 - 12	0,51
	10	300	D,E	26 - 12	0,51
	Current	Voltage	mm²		
	24	400	2,5		

(1) Min No. 26 AWG for factory-wiring only

Options / Accessories

- Consecutive numbering
- Special marking accord. drawing
- Self-adhesive marking strip BST-5,00
- Longer pins up to 95 mm
- Elongated wire entry funnel
- Version with test hole, see 970-MP
- Double wire protector as bridge