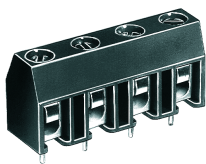


977(-DS)

PCB connector

Screw connection, with test holes



GENERAL INFORMATION

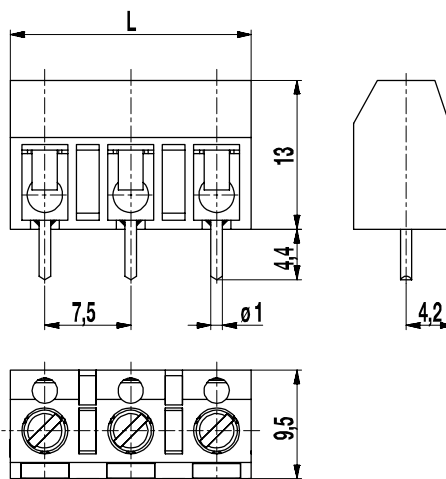
Pitch	7,5 mm
No. of poles	2 - 8

TECHNICAL DATA

Clamping Range	<i>solid / stranded / 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	7 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 Current	24 A		
Hole in PCB	ø 1,3 mm		
Torque	0,5 Nm		

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
	Current [A]	Voltage [V]	mm ²		
	24	450	2,5 [2]		



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, blue passivated
Solder pin	ø 1 mm; tin plated copper alloy
Wire protector	Tin plated tin bronze

OPTIONS / ACCESSORIES

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-7,50
- Longer solder pins up to 95 mm
- Version with larger clamping range

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

[2] Acc. to IEC 60947-7-4 und IEC 60947-1

CONFIGURATIONS

Poles	Part number	Article number	Part number	Article number	Length (L)	Packaging	PU
2	977/02	10.872.302	977-DS/02	20.872.302	13,50 mm	Box	250
3	977/03	10.872.303	977-DS/03	20.872.303	21,00 mm	Box	250
4	977/04	10.872.304	977-DS/04	20.872.304	28,50 mm	Box	200
5	977/05	10.872.305	977-DS/05	20.872.305	36,00 mm	Box	100
6	977/06	10.872.306	977-DS/06	20.872.306	43,50 mm	Box	100

