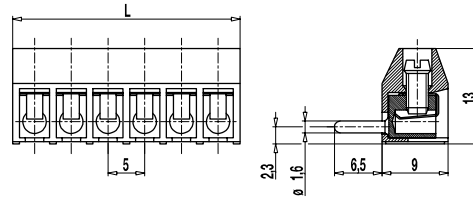


# 971-SV(-DS)

Plug connector  
Screw connection, pin  $\varnothing$  1,6 mm



## GENERAL INFORMATION

Pitch	5 mm
No. of poles	2 - 32
Usable with	socket terminal strips 970-FB, 971-FB

## TECHNICAL DATA

Clamping Range	<i>solid / stranded / AWG</i>		
<i>without wire protector</i>	1 - 6 mm <sup>2</sup> / 1 - 4 mm <sup>2</sup> / 16 - 10 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	5,5 mm $\pm$ 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 Current	6 A		
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
	Current [A]	Voltage [V]	mm <sup>2</sup>		
	17,5	250	2,5 [2]		

## CONFIGURATIONS

Poles	Part number	Article number	Part number	Article number	Length (L)	Packaging	PU
2	971-SV/02	80.872.152	971-SV-DS/02	86.872.152	11,00 mm	Box	250
3	971-SV/03	80.872.153	971-SV-DS/03	86.872.153	16,00 mm	Box	250
4	971-SV/04	80.872.154	971-SV-DS/04	86.872.154	21,00 mm	Box	200
5	971-SV/05	80.872.155	971-SV-DS/05	86.872.155	26,00 mm	Box	100
6	971-SV/06	80.872.156	971-SV-DS/06	86.872.156	31,00 mm	Box	100

## MATERIAL

Moulding	PA, grey, V-0
Comparative Tracking Index	2-8 poles: CTI $\geq$ 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
Wire protector	Tin plated tin bronze
Plug	$\varnothing$ 1,6 mm; tin plated brass

## OPTIONS / ACCESSORIES

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-5,00
- Pitch of 10 mm for larger clearance and creepage distances
- Version with extended wire entrance
- Version with lateral latching elements
- Double wire protector as bridge

[1] Min No. 26 AWG for factory-wiring only  
[2] Acc. to IEC 60947-7-4 und IEC 60947-1

