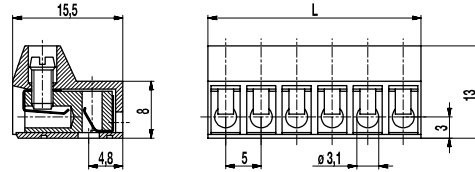


970-FBW(-DS)

Plug connector
Screw connection, plugable from the bottom



GENERAL INFORMATION

Pitch	5 mm
No. of poles	2 - 24
Usable with	pin strips 971-FBWP, 971-SLW, single pins LST-1,3-6,5

TECHNICAL DATA

Clamping Range	<i>solid / stranded / AWG</i>		
without wire protector	1 - 6 mm ² / 1 - 4 mm ² / 16 - 10 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	5,5 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 Current	6 A		
Torque	0,5 Nm		
Other specifications	Voltage data in brackets are valid for 13-24 poles types. 2-12 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 ²		
	13,5	200	2,5 [2]		

MATERIAL

Moulding	PA, grey, V-0
Comparative Tracking Index	2-12 poles: CTI ≥ 600; 13-24 poles: CTI 400
Insulating Group	2-12 poles: I; 13-24 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
Spring	Stainless strip steel

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
- Double wire protector as bridge
- Plug connector 971-RFBS(-DS) with ribs at wire entry and fitting locking plate

[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	970-FBW/02	30.873.102	970-FBW-DS/02	40.873.102	10,00 mm	Box	200
3	970-FBW/03	30.873.103	970-FBW-DS/03	40.873.103	15,00 mm	Box	200
4	970-FBW/04	30.873.104	970-FBW-DS/04	40.873.104	20,00 mm	Box	100
5	970-FBW/05	30.873.105	970-FBW-DS/05	40.873.105	25,00 mm	Box	100
6	970-FBW/06	30.873.106	970-FBW-DS/06	40.873.106	30,00 mm	Box	50

further number of poles on request

