

983-SMF-2,8/-4,8

PCB connector

Screw connection, with solder pin and tab



GENERAL INFORMATION

Pitch	10 mm
No. of poles	1 - 12

TECHNICAL DATA

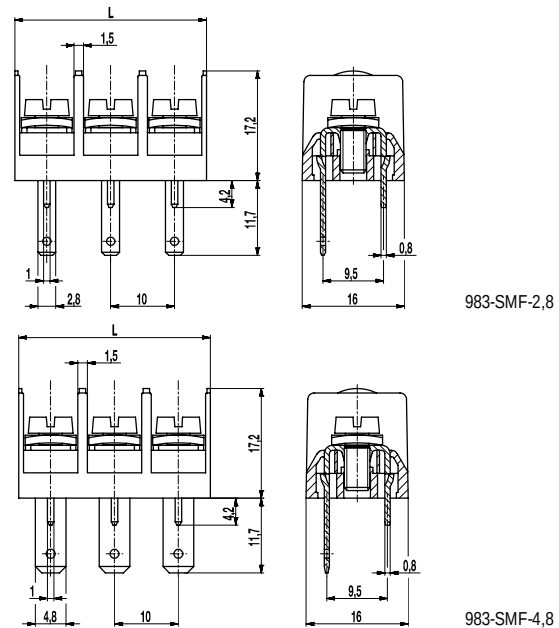
Clamping Range	<i>solid / stranded / AWG</i> 0,5 - 2,5 mm ² / 0,5 - 2,5 mm ² / 20 - 12 AWG
Rated Cross Section	2,5 mm ²
Wire Stripping Length	8,5 mm
Overvoltage Category	III
Pollution Severity Level	3
Rated Voltage	320 V
Rated Impulse Voltage	4 kV
Rated Insulation Voltage	450 V acc. to EN 60998-1
Rated Current	7,5 A: with receptacles 2,8; wire 1 mm ² (16 AWG) 15 A: with receptacles 4,8; wire 2,5 mm ² (14 AWG)
Hole in PCB	ø 1,6 mm
Torque	1,2 Nm
Other specifications	Screw-fixing holes ø 3,2 mm. Per pole two wires of identical cross-section can be connected. Indicated rated voltage applies to applications with insulation receptacles.

APPROVALS

	Current [A]	Voltage [V]	Group	AWG	[Nm]
	20	300	B	20 - 12	1,13
	6	300	B, D, E	20 - 12	1,13 [1]
	15	300	B	20 - 12	1,33 [2]
	10	300	D, E	20 - 12	1,33 [2]

CONFIGURATIONS

Poles	Part number	Article number	Part number	Article number	Length (L)	Packaging	PU
1	983-SMF-2,8/01	91.873.803	983-SMF-4,8/01	92.873.803	30,00 mm	Box	100
2	983-SMF-2,8/02	91.873.804	983-SMF-4,8/02	92.873.804	40,00 mm	Box	100
3	983-SMF-2,8/03	91.873.805	983-SMF-4,8/03	92.873.805	50,00 mm	Box	100
4	983-SMF-2,8/04	91.873.806	983-SMF-4,8/04	92.873.806	60,00 mm	Box	100
5	983-SMF-2,8/05	91.873.807	983-SMF-4,8/05	92.873.807	70,00 mm	Box	100
6	983-SMF-2,8/06	91.873.808	983-SMF-4,8/06	92.873.808	80,00 mm	Box	100



MATERIAL

Moulding	PA, grey, V-0
Comparative Tracking Index	CTI ≥ 600
Insulating Group	I
Temperature Range	-40°C up to 100°C
Pressure clamp	Tin plated brass
Screw	M4; zinc plated steel, blue passivated
Solder pin	0,8 x 1,0 mm; tin plated brass

OPTIONS / ACCESSORIES

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-10,00
- Crosshead screws
- Various versions of tabs instead of screw connections

[1] for 983-SMF-2,8

[2] for 983-SMF-4,8