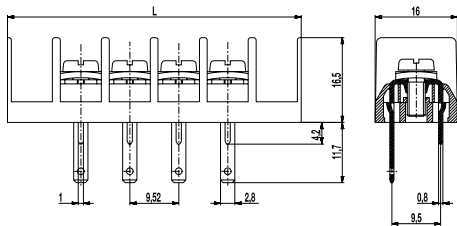


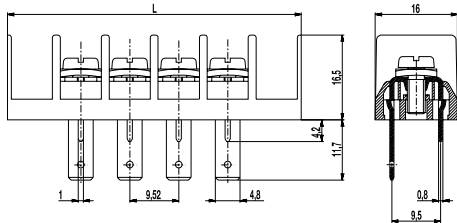
# PCB connector

## 982-SMF-2,8/4,8

Screw connection, with solder pin and tab



982-SMF-2,8



982-SMF-4,8

The PCB connectors 982-SMF-2,8 and 982-SMF-4,8 with a pitch of 9,52 mm are available in 1- to 12-pole design and can be mounted side-by-side in the nominal pitch.

They are based on our series 982 terminal strips.

The conductor terminal is of head contact design with Screws M3,5, whereby the screws and square washers are movably connected.

For easier connection, the non-rotably mounted square washers are automatically lifted when the screw is loosened.

On the solder side and the plug-in side they feature one solder pin and one tab connection of 2,8 mm or 4,8 mm width per pole.

This allows current to flow to other components without having to use additional conductor paths.

### Part Numbers

No. of poles	982-SMF-2,8	982-SMF-4,8	Length	PU
1	91.873.703	92.873.703	28,56	200
2	91.873.704	92.873.704	38,08	200
3	91.873.705	92.873.705	47,60	200
4	91.873.706	92.873.706	57,12	100
5	91.873.707	92.873.707	66,64	50
6	91.873.708	92.873.708	76,16	50
7	91.873.709	92.873.709	85,68	50
8	91.873.710	92.873.710	95,20	50
9	91.873.711	92.873.711	104,72	50
10	91.873.712	92.873.712	114,24	50
11	91.873.713	92.873.713	123,76	50
12	91.873.714	92.873.714	133,28	50

further number of poles on request

### General Information

Pitch	9,52 mm
No. of poles	1 - 12

### Technical Data

Clamping Range	<i>solid / flexible / AWG</i> 0,75 - 2,5 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	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	6 A: with receptacles 2,8; wire 1 mm <sup>2</sup> (16 AWG) 16 A: with receptacles 4,8; wire 2,5 mm <sup>2</sup> (14 AWG)
Hole in PCB	ø 1,6 mm
Torque	0,8 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.

### 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	M3,5; zinc plated steel, blue passivated
Solder pin	0,8 x 1,0 mm; tin plated brass

### Approvals

	Current	Voltage	Group	AWG	Nm
	20	300	B	20 - 12	0,79
	6	300	B, D, E	20 - 12	0,79 [1]
	15	300	B	20 - 12	0,79 [2]
	10	300	D, E	20 - 12	0,79 [2]

[1] for 982-SMF-2,8

[2] for 982-SMF-4,8

### Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Crosshead screws
- Cover cap 982-A
- Securing pins BEF-983
- Fastening pole position can be freely selected
- Various versions of tabs instead of screw connections