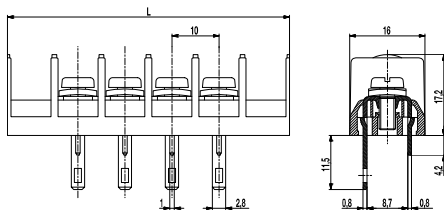


## PCB connector

### 983-SML-2,8

Screw connection, with solder pin and solder tag



The PCB connector 983-SML-2,8 with a pitch of 10 mm is available in 1- to 12-pole design and can be mounted side-by-side in the nominal pitch. They are based on our series 983 terminal strips.

The conductor terminal is of head contact design with screws M4, whereby the screws and square washers are movably connected. For easier connection, the non-rotatably 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 soldering tag of 2.8 mm width per pole. This allows current to flow to other components without having to use additional conductor paths.

#### Part Numbers

No. of poles	983-SML-2,8	Length	Pcs
1	94.873.803	30,00	100
2	94.873.804	40,00	100
3	94.873.805	50,00	100
4	94.873.806	60,00	100
5	94.873.807	70,00	100
6	94.873.808	80,00	100
7	94.873.809	90,00	50
8	94.873.810	100,00	50
9	94.873.811	110,00	50
10	94.873.812	120,00	50
11	94.873.813	130,00	50
12	94.873.814	140,00	50

#### General Information

Pitch	10 mm
No. of poles	1 - 12

#### Technical Data

Clamping Range	<i>solid / flexible / AWG</i> 0,5 - 2,5 mm <sup>2</sup> / 0,5 - 2,5 mm <sup>2</sup> / 20 - 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	17,5 A (wire 1.5 mm <sup>2</sup> in soldering tag area)
Hole in PCB	ø 1,6 mm
Torque	1,2 Nm
Other specifications	Fixing holes ø 3,2 mm. Per pole two wires of identical cross-section can be connected.

#### 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

#### Approvals

	Current	Voltage	Group	AWG	Nm
	20	300	B	20 - 12	1,13
	20 10	300 300	B D, E	20 - 12 20 - 12	1,13 1,13

#### Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-10,00
- Cover cap 983-A
- Securing pins BEF-983
- Fastening pole position can be freely selected
- Crosshead screws
- Various tab versions available instead of screw connections