

SWITCH PROBES

F899P0001 / F899P0002

**Switch Probe 394mil,
Pneumatic,
Off-On-Off**



Centers (mm/mil)	10,00 / 394
Contin. current	3,0 A
Current (Switch)	1,0 A
R typ	100 mOhm
Temperature	-45°C...+100°C

Technical Specifications

Operating pressure	5-7 bar Change 75 cN / bar
Operating medium	Compressed air (dried & filtered)
Allowed leakage rate	5 cm³/min.
Thread (M)	8,0x1,0

F899P0001	Working travel [mm]	Contact force at 6 bar [cN]
Switch point 1	2,0 ±0,2	
Nominal	3,8	350 ±20%*
Switch point 2	4,0 ±0,2	
Maximum	5,3	

F899P0002	Working travel [mm]	Contact force at 6 bar [cN]
Switch point 1	3,0 ±0,2	
Nominal	3,8	350 ±20%
Switch point 2	4,0 ±0,2	
Maximum	5,3	

Materials and Plating

Plunger tip	Synthetic, unplated
Barrel	Brass, gold plated Synthetic, unplated
Spring	Music wire, silver plated
Receptacle	Brass, nickel plated

Included in Delivery

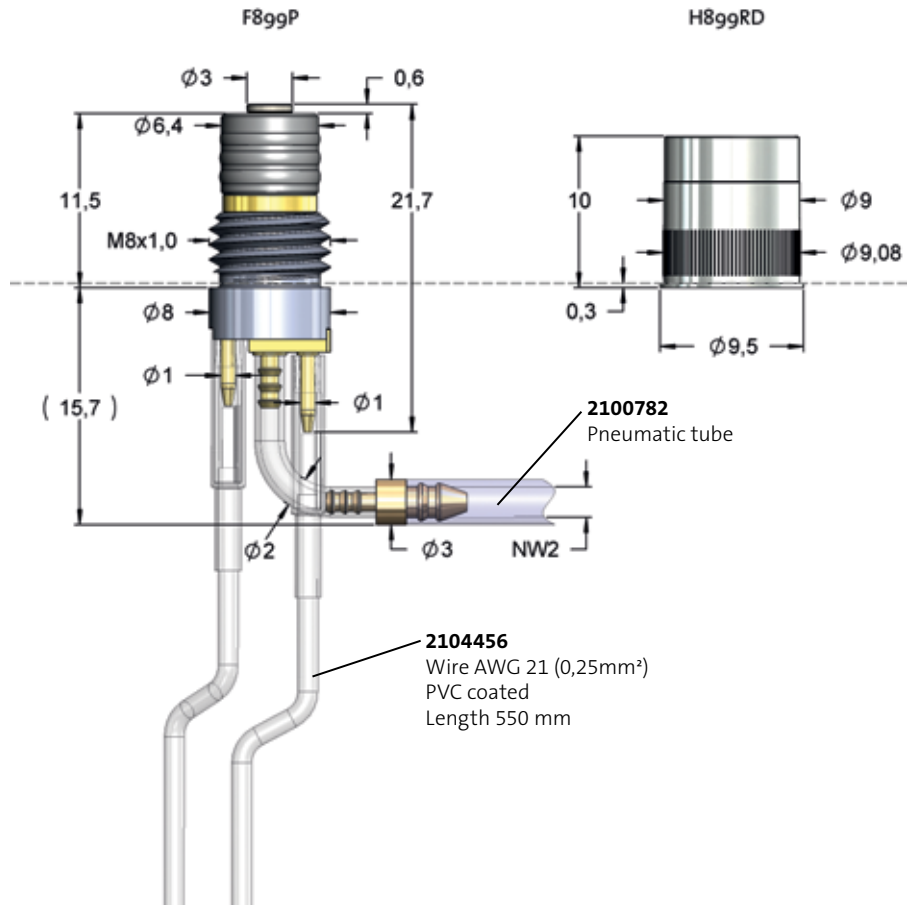
- 1x F899P000x Pneumatic switch probe
- 2x 2104456 Connection wire (AWG21)

Accessories

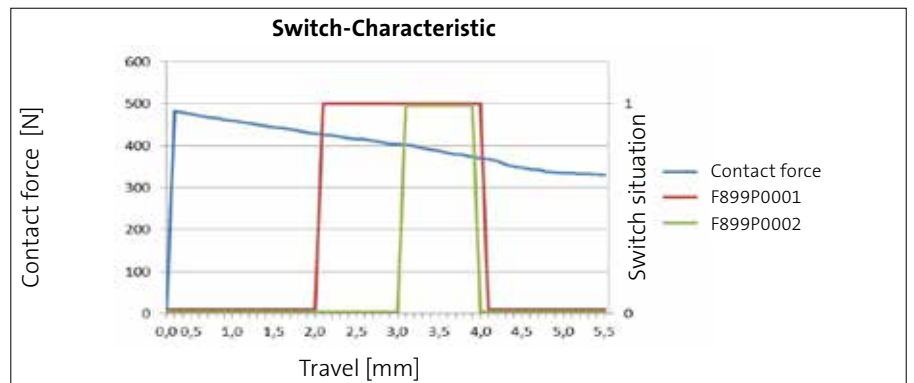
Pneumatic tube	2100782 (NW2)
Receptacle with knurl	H899RD
Screw-in tool probe	FWZ899

Drill Size (mm)

Receptacle with knurl	9,02 - 9,06
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Special solution for pneumatic position tests at limited space. The pneumatic micro switch probe F899P with two switch points (off-on-off) allows an exact determination of the DUT position.



For a proper operation see the following mounting and operation instructions.

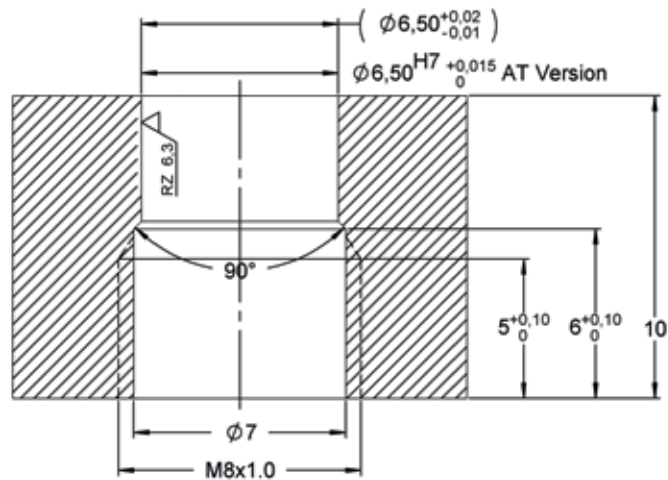
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Mounting and Operation Instructions F899P

Drilling Recommendations for the Use without Receptacle

For mounting the probe F899P without receptacle a precise drilling is mandatory to hold the probe in its position. It is essential to consider if the module with the mounted probe needs to be airtight or not. An airtight module needs extremely precise drilling dimensions. As the ideal drilling diameters depend on the material, the recommendations here are only a guideline for your own drilling tests.

The permissible leakage rate for the construction of an airtight version is 5 cm³ / min.



Mounting Tool FWZ899

The mounting tool fits into the corresponding notch of the probe and allows to screw in and position the probe securely from backwards.



Longitudinal Adjustment

The probe F899P can be mounted either on stop or it can be adjusted for up to 2,0 mm in longitudinal direction. This is realized by the thread of the probe. One full turn of the probe leads to 1,0 mm adjustment.

