

SWITCH PROBES



F899P0001 (NO)

Off-On-Off | 394 mil | Pneumatic

Electrical specifications

Temperature [°C]	-45°...+100°
Current [A]	3
Current switch [A]	1
R _{TYP} [mOhm]	<100

Mechanical specifications

	Working travel [mm]	Contact force at 6 bar [cN]
Switch Point 1 F899P0001	2.0	±0,3
Switch Point 1 F899P0002	3.0	±0,2
Nominal travel [mm]	3.8	350 ±20%
Switch Point 2	4.0	±0,2
Maximum travel [mm]	5.0	
Operating pressure	5-7 bar Change 75cN/bar	
Operating medium	Compressed air (dried & filtered)	
Allowed leakage rate	5 cm ³ /min.	

Materials and plating

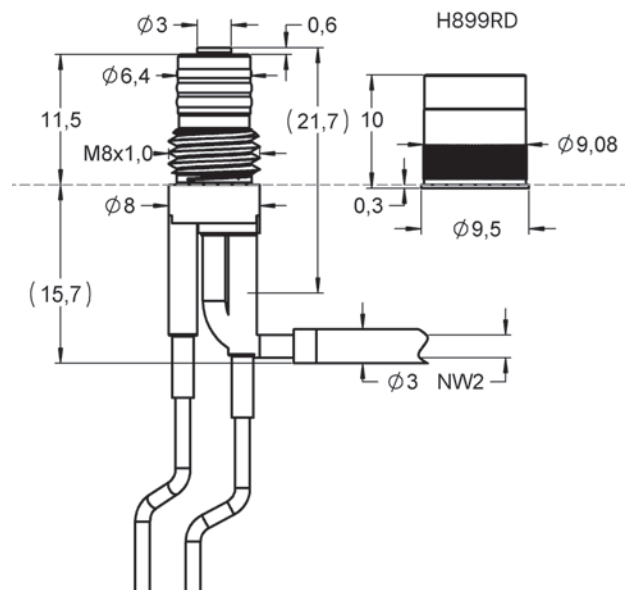
Plunger	Synthetic	unplated
	Brass	gold plated
Barrel	Synthetic	unplated
	Spring steel	silver plated
Receptacle	Brass	nickel plated

Accessories

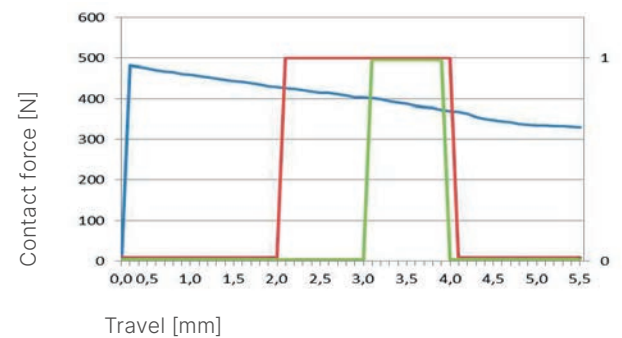
1002634	2100782 (NW2)	Pneumatic tube
1023938	H899RD	Receptacle
1004180	FAWZ761	Insertion tool receptacle
1023929	FWZ899	Screw-in tool probe

Series drawing

All measurements are in mm.



Switch-Characteristic





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.

Drill size recommendation (mm)

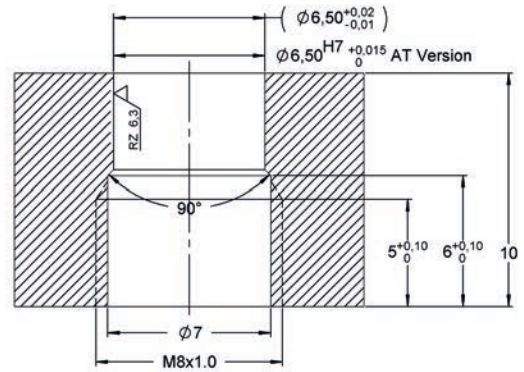
1023938	H899RD	9.02 - 9.06
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SWITCH PROBES

Order code	Product name	Tip Style	Tip Ø [mm]	Material/Plating	Force [cN]	Thread [M]	Version	FM Choice
1021585	F899P0001	17 	3.00	K / U	350	M8x1	-	-
1022307	F899P0002	17 	3.00	K / U	350	M8x1	-	-

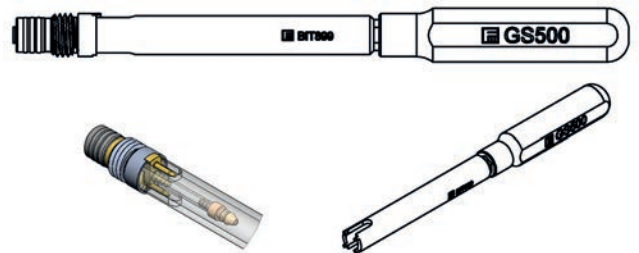
Drilling recommendations for the use without receptacle

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.



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.

