Pressure switches
Series 79

Electrical function
1 pole NO
1 pole NC

Switch rating
1 Pole NO
2,5 (0,5) A 250V~ 1E4
1 A 250 V ~ 5E4 (max 800 mbar)
20 mA 250 V ~5E4 (max 800 mbar)
1 Pole NC
2.5 (0.5) A 250 V~ 1E4
0,5 A 250 V~ 5E4
20 mA 250 V ~5E4
2,5 A 125/250 V~ T85 (UL/CSA)

Ambient temperature
-10 to +85°C

Temperature of pressure medium
max. 85°C

Electrical connections
Tab terminals 6.3 x 0.8 mm

Tab terminals 4.8 x 0.8 mm (1 pole NO only)

Pressure range / Tolerances
Pressure: +15 to +2500 mbar
Tolerance: +/- 10% N.O.
+/-15% N.C.
Vacuum: -600 to -15 mbar
Tolerance: +/- 15%

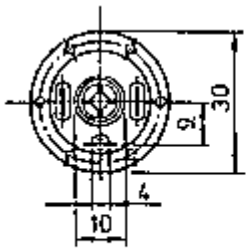
Pressure connections
Pressure and vacuum: Inlet 4.0 or 5.5 mm (up to 500 mbar)
Threaded inlet M10 x 1 mm or

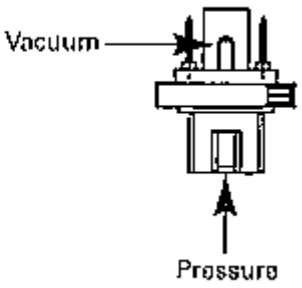
The sectional drawing explains the function of our pressure switches Series 79.
This design does not cater for a hysteresis. lf 2 switch points are required,
2 pressure switches with different calibrations should be employed.
Please ask us also for pcb mounted control circuits. The method of fixing the tab terminals or solder pins to the switch body does not allow for absolute air tightness. The switch is therefore not recommended for applications in which static vacuum has to be maintained.
However, special models with additional pressure spring which allow for the vacuum to be connected to the pressure inlet side are available on request.

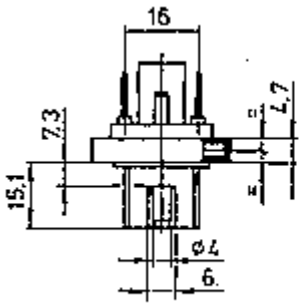
Materials
Lower body: PA 6.6
Upper body: PA 6.6
Adjustm. screw: PA 6.6

Contact carrying parts: Brass Silver plated
(gold plating on request)
Membrane: Nitrile, EPDM,
(Silicone, Perbunan on request)
according to application

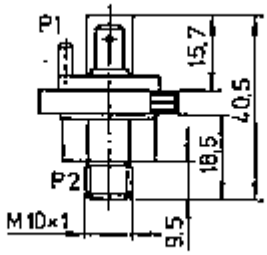
1/4 gas **Max. working pressure** 3000 mbar **Switch hysteresis** nearly no hysteresis **Pressure medium** Pressure: Non hazardous gas only Liquids (up to 24 V only) Vacuum: Non hazardous gas only **Fixing methods** Plastics clips (version with inlet only)	**Approvals** American approval marks according to UL 508 **03** in progress



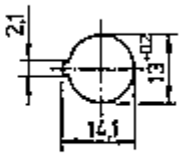




Inlet Ø 4 mm



Threaded inlet



Panel cut out