

Pressure Switches



250v with changeover contacts and integral connector

- Range from 0.3 - 1.5 bar to 50 - 200 bar
- Up to 600 bar overpressure
- SPDT changeover contact
- Zinc plated steel body
- Nitrile, EPDM, FKM seals

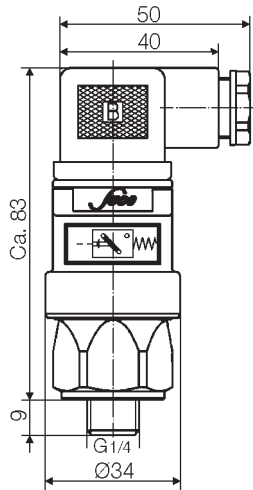


Technical specification

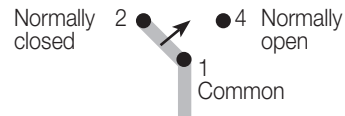
Contact rating	250V/4A
Maximum operation	200/min
Temperature range	NBR -30 to +100°C
	EPDM -30 to +120°C
	FKM -5 to +120°C
Hysteresis	10 to 30% (adjusted at factory)

Mechanical life	10 ⁶ operations (at pressure up to 50 bar)
Body material	Zinc plated steel CrVI-free
Protection	IP65
Vibration resistance	10g/5-200Hz sine-wave
Shock resistance	294m/s ² , 14ms half sine-wave
Weight	148g

Dimensions



Contact details



Ordering information

Adjustment range in bar (tolerance at RT)	Thread	Part number		Pmax
Diaphragm				
0.3 - 1.5 (±0.2)	M 10x1 taper	018445701	001	100 ¹⁾
	M 12x1.5	018445702	002	
	G 1/4	018445703	003	
1 - 10 (±0.5)	M 10x1 taper	018445801	040	300 ¹⁾
	M 12x1.5	018445802	041	
	G 1/4	018445803	042	
10 - 50 (±3.0)	M 10x1 taper	018445901	007	300 ¹⁾
	M 12x1.5	018445902	008	
	G 1/4	018445903	009	
10 - 100 (±3.0-5.0)	M 10x1 taper	018446101	010	300 ¹⁾
	M 12x1.5	018446102	011	
	G 1/4	018446103	012	
Piston				
50 - 200 (±5.0)	M 10x1 taper	018546001	001	600 ¹⁾
	M 12x1.5	018546002	002	
	G 1/4	018546003	003	
		Insert seal number		
NBR	Hydraulic / machine oil, turpentine, heating oil, air etc.	=	1	
EPDM	Hydrogen, acetylene, ozone, brake fluid etc.	=	2	
FKM	Hydraulic fluids (HFA, HFB, HFC, HFD), petrol/gasoline etc.	=	3	

Please note that all switches can be set & adjusted via the central turning screw. N.B. When using oxygen, the relating accident prevention regulations are to be observed. Above that, we recommend not to exceed a maximum operational pressure of 10 bar. Piston pressure switches are not suited for gaseous media, especially not for the use of oxygen.
¹⁾ Static pressure, dynamic pressures should be 30 to 50% lower. These values refer to the hydraulic or pneumatic part of the pressure switch.