



Pressure Switches



42v, Diaphragm

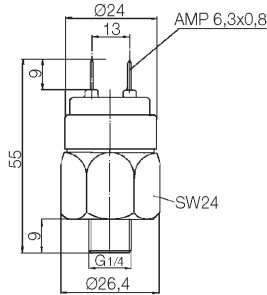
- Ranges from 0.1 - 1 bar to 20 - 50 bar
- 300 bar overpressure (600 bar option)
- NC or NO contacts
- Zinc plated steel body
- Nitrile, EPDM, FKM seals



Technical specification

Contact rating	AC: 100vA DC: 60w	Body material	Zinc plated steel CrVI-free
Maximum operation	200/min	Protection	IP65, terminals IP00
Temperature range	NBR -30 to +100°C EPDM -30 to +120°C FKM -5 to +120°C	Vibration resistance	10g/5-200Hz sine-wave
Mechanical life	10 ⁶ operations (at pressure up to 50 bar)	Shock resistance	294m/s ² , 14ms half sine-wave
		Weight	68g

Dimensions



Protective cap
With central cable gland for 1.5 - 5 mm cable diameter
Not suitable for voltages above 42 V !
Part number: 1166621010



Protective cap
With two cable entries for 1.7 - 2.2 mm cable diameter
Not suitable for voltages above 42 V !
Part number: 1166621003

Ordering information

Adjustment range in bar (tolerance at RT)	Thread	Normally open (no) →{		Normally closed (nc) →}		Pmax
0.1 - 1 (±0.2)	M 10x1 taper	016640301	009	016640401	013	300 ¹⁾
	M 12x1.5	016640302	010	016640402	014	
	G 1/4	016640303	011	016640403	015	
	NPT 1/8	016640304	012	016640404	016	
	G 1/8	016640328	603	016640428	604	
1 - 10 (±0.5)	M 10x1 taper	016640701	025	016640801	029	
	M 12x1.5	016640702	026	016640802	030	
	G 1/4	016640703	027	016640803	031	
	NPT 1/8	016640704	028	016640804	032	
	G 1/8	016640728	607	016640828	608	
10 - 20 (±1.0)	M 10x1 taper	016641101	041	016641201	045	
	M 12x1.5	016641102	042	016641202	046	
	G 1/4	016641103	043	016641203	047	
	NPT 1/8	016641104	044	016641204	048	
	G 1/8	016641128	611	016641228	612	
20 - 50 (±2.0)	M 10x1 taper	016641501	057	016641601	061	
	M 12x1.5	016641502	058	016641602	062	
	G 1/4	016641503	059	016641603	063	
	NPT 1/8	016641504	060	016641604	064	
	G 1/8	016641528	615	016641628	616	
Insert seal number						
NBR	Hydraulic / machine oil, turpentine, heating oil, air etc.	= 1		= 1		
EPDM	Hydrogen, acetylene, ozone, brake fluid etc.	= 2		= 2		
FKM	Hydraulic fluids (HFA, HFB, HFC, HFD), petrol/gasoline etc.	= 3		= 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.

¹⁾ Static pressure, dynamic pressures should be 30 to 50% lower. These values refer to the hydraulic or pneumatic part of the pressure switch.