



Pressure Switches



42v, diaphragm with brass body

- Ranges from 0.1 - 1 bar to 10 - 20 bar
- 20 bar overpressure
- NC or NO contacts
- Nitrile, EPDM, FKM seals

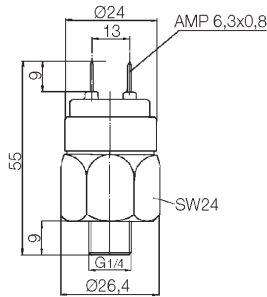


Technical specification

Contact rating	AC: 100vA DC: 60w
Maximum operation	200/min
Temperature range	NBR -30 to +100°C
	EPDM -30 to +120°C
	FKM -5 to +120°C
Mechanical life	10 ⁶ operations (at pressure up to 50 bar)

Body material	Brass
Protection	IP65, terminals IP00
Vibration resistance	10g/5-200Hz sine-wave
Shock resistance	294m/s ² , 14ms half sine-wave
Weight	67g

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	016740301	007	016740401	010	20
	R 1/8 taper	016740312	008	016740412	011	
	R 1/2 taper	016740307	009	016740407	012	
	G 1/4	016740303	039	016740403	040	
	G 1/8	016740328	003	016740428	004	
1 - 10 (±0.5)	M 10x1 taper	016740701	019	016740801	022	
	R 1/8 taper	016740712	020	016740812	023	
	R 1/2 taper	016740707	021	016740807	024	
	G 1/4	016740703	043	016740803	044	
	G 1/8	016740728	007	016740828	008	
10 - 20 (±1.0)	M 10x1 taper	016741101	031	016741201	034	
	R 1/8 taper	016741112	032	016741212	035	
	R 1/2 taper	016741107	033	016741207	036	
	G 1/4	016741103	047	016741203	048	
	G 1/8	016741128	011	016741228	012	
Insert seal number						
NBR	Hydraulic / machine oil, turpentine, heating oil, air etc.	= 1		= 1		
EPDM	Water, 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.