



## SUCO - 0167 PRESSURE SWITCH

Brass body

0167401031037  
0,1..1 bar, G1/4, No, NBR, Screw

- Up to 42 V
- Spade or screw terminals
- Four adjustment ranges from 0,1..1 bar to 10..20 bar
- Normally open or normally closed
- Over pressure safety of 35 bar



### PRODUCT DESCRIPTION

The SUCO 0167 is a compact diaphragm-style pressure switch housed in a robust brass body with a HEX-24 ( $\approx 0.95''$ ) thread interface. It supports maximum voltages up to 42 VAC/DC and handles resistive currents up to 4 A. Field-adjustable across four ranges the switch is available in either normally open or normally closed SPST configurations, with contact deviation as tight as  $\pm 0.2$  bar for low-range units. Overpressure safety is rated at 35 bar ( $\approx 500$  psi), with dynamic burst pressures significantly higher (up to 400 bar). It features a durable NBR (Buna-N), EPDM, FKM (Viton®), or silicone diaphragm capable of withstanding media temperatures from  $-40$  °C to  $+120$  °C (depending on material), IP65 protection via a polyamide cap, and a service life of around 1 million cycles at up to 50 bar switching pressure.

The 0167 switch is ideal for monitoring pressures in water systems, pneumatics, hydraulics, and light industrial machinery. Its field-adjustable setpoint allows on-site calibration during installation or maintenance, while the brass housing offers chemical resilience. Typical uses include triggering pump cycles, activating alarms for out-of-range pressures, and protecting against overpressure in applications such as cooling loops, domestic water supply, oxygen or brake-fluid monitoring, and medical or food-service equipment. Available with both spade or screw terminals and in various thread sizes (G $\frac{1}{4}$ ",  $\frac{1}{8}$ " NPT/BSP, M10 $\times$ 1), along with ready-wired or connector-equipped variants, it offers versatile integration into OEM and field systems.

### TECHNICAL DATA

Adjustment range max	1 bar
Adjustment range min	0.1 bar
Approvals	CSA US, RoHS II
Contact rating max	4 A
Deviation max	$\pm 0,2$
Electrical connection	Screw (M3)
Function	Normally open
IP class	IP00
Material membrane	NBR
Material of body	Brass

<b>Material of wetted parts</b>	Brass, NBR
<b>Max switching frequency/min</b>	200
<b>Mechanical life expectancy</b>	1 million exchanges
<b>Pressure max</b>	35 bar
<b>Process connection</b>	1/4 BSP
<b>Temperature ambient from</b>	-20 °C
<b>Temperature ambient to</b>	80 °C
<b>Temperature of media from</b>	-40 °C
<b>Temperature of media to</b>	100 °C
<b>Weight</b>	90 g
<b>Voltage ac/dc max</b>	42 V
<b>Voltage ac/dc min</b>	10 V

