



SUCO - 0167 PRESSURE SWITCH

Brass body

0167424032070

0,5..3 bar, G1/4, Nc, EPDM, Spade

- 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 ± 0.2 bar for low-range units. Overpressure safety is rated at 35 bar (≈ 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, M10x1), along with ready-wired or connector-equipped variants, it offers versatile integration into OEM and field systems.

TECHNICAL DATA

Adjustment range max	3 bar
Adjustment range min	0.5 bar
Approvals	CSA US, RoHS II
Contact rating max	4 A
Deviation max	$\pm 0,3$
Electrical connection	Spade (AMP 6,3x0,8 mm)
Function	Normally Closed
IP class	IP00
Material membrane	EPDM
Material of body	Brass

Material of wetted parts	EPDM, Brass
Max switching frequency/min	200
Mechanical life expectancy	1 million exchanges
Pressure max	35 bar
Process connection	1/4 BSP
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Temperature of media from	-30 °C
Temperature of media to	120 °C
Weight	90 g
Voltage ac/dc max	42 V
Voltage ac/dc min	10 V

