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SUCO - 0167 PRESSURE SWITCH

Brass body

0167403283003
0,1..1 bar, G1/8, No, FKM, Spade, Brass

- Up to 42 V
- Spade or screw terminals
- Four adjusment 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 (≈ 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 (G¼″, ⅛″ NPT/BSP, M10×1), along with ready-wired or connector-equipped variants, it offers versatile integration into OEM and field systems.

TECHNICAL DATA

Adjustment range min	0.1 bar
Adjustment range max	1 bar
Pressure max	35 bar
Function	Normally open
Electrical connection	Spade (AMP 6,3x0,8 mm)
IP class	IP00
Approvals	CSA US, RoHS II
Material of body	Brass
Material of wetted parts	FKM, Brass
Material membrane	FKM

Temperature of media from	-5 °C
Temperature of media to	120 °C
Contact rating max	4 A
Voltage ac/dc max	42 V
Voltage ac/dc min	10 V
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Deviation max	±0,2
Max switching frequency/min	200
Process connection	1/8 BSP
Weight	90 g

Mechanical life expectancy	1 million exchanges