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# SUCO - 0167 PRESSURE SWITCH

Brass body

0167405281005
1..10 bar, G1/8, No, NBR, Screw



- 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

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| **Adjustment range min** | 1 bar |
| **Adjustment range max** | 10 bar |
| **Pressure max** | 35 bar |
| **Function** | Normally open |
| **Electrical connection** | Screw (M3) |
| **IP class** | IP00 |
| **Approvals** | CSA US, RoHS II |
| **Material of body** | Brass |
| **Material of wetted parts** | Brass, NBR |
| **Material membrane** | NBR |

| | |
|---|---|
| **Temperature of media from** | -40 °C |
| **Temperature of media to** | 100 °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** | ±0,5 |
| **Max switching frequency/min** | 200 |
| **Process connection** | 1/8 BSP |
| **Weight** | 90 g |

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|---|---|
| **Mechanical life expectancy** | 1 million exchanges |

