

## SUCO - 0167 PRESSURE SWITCH

Brass body

0167421031070

0,5..3 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, M10x1), along with ready-wired or connector-equipped variants, it offers versatile integration into OEM and field systems.

### TECHNICAL DATA

|                          |                 |
|--------------------------|-----------------|
| Adjustment range min     | 0.5 bar         |
| Adjustment range max     | 3 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               | ±0,3    |
| Max switching frequency/min | 200     |
| Process connection          | 1/4 BSP |
| Weight                      | 90 g    |

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

