

## SUCO - 0164 PRESSURE SWITCH

Stainless steel body



0164403412003

0,1..1 bar, G1/4-E, No, EPDM, Spade, Stainless steel

- Up to 42 V
- Spade or screw terminals
- Five adjustment ranges from 0,1..1 bar to 20..50 bar
- Normally open or Normally closed
- Over pressure safety of 600 bar



### PRODUCT DESCRIPTION

The SUCO 0164 series is built around a corrosion-resistant stainless-steel body (hex-24), designed to withstand demanding environments. It operates on voltages up to 42 V (AC/DC) and features either spade or screw terminal connections for electrical interfacing. Available in five adjustable pressure ranges this switch offers field-adjustable setpoints and stable switching behaviour over time, with a maximum deviation of  $\pm 0.2$  bar and a high overpressure safety rating of 600 bar. Suitable for both normally open and normally closed SPST configurations, it supports currents up to 4 A. The switch accommodates media temperatures from  $-40$  °C to  $+100$  °C (and up to  $+120$  °C with EPDM or FKM seals) and ambient temperatures between  $-20$  °C and  $+80$  °C.

Thanks to its robust stainless steel construction and NBR/EPDM/FKM seal options, the 0164 series excels in hygienic or corrosive media environments such as water treatment, medical devices, and chemical processing lines. Its compact design and spade/screw connection options simplify installation in compact control panels or mobile fluid systems. Users benefit from on-site setpoint adjustments for fine-tuning during commissioning and from reliable overpressure protection for safeguarding downstream components. Typical use cases include fluid-level safeguarding, pump control, leak detection alarm circuits, and pressure-based safety cut-offs in medical, industrial, and environmental 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 | Spade (AMP 6,3x0,8 mm) |
| Function              | Normally open          |
| IP class              | IP00                   |
| Material membrane     | EPDM                   |
| Material of body      | Stainless steel        |

|                             |                       |
|-----------------------------|-----------------------|
| Material of wetted parts    | EPDM, Stainless steel |
| Max switching frequency/min | 200                   |
| Pressure max                | 600 bar               |
| Process connection          | G1/4-E                |
| Temperature ambient from    | -20 °C                |
| Temperature ambient to      | 80 °C                 |
| Temperature of media from   | -30 °C                |
| Temperature of media to     | 120 °C                |
| Voltage ac/dc max           | 42 V                  |
| Voltage ac/dc min           | 10 V                  |
| Weight                      | 90 g                  |

