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SUCO - 0196/0197 PRESSURE SWITCH

Stainless steel body

0196457031003
0,5..5 bar, G1/4, CO, NBR, Spade, Stainless steel



- Up to 24 V
- Spade terminals
- Five adjustment ranges from 0,5..5 bar to 50..200 bar
- Changeover (SPDT) with gold contacts
- Over pressure safety of 300 bar up to 600 bar

PRODUCT DESCRIPTION

The SUCO 0196 and 0197 series are compact, diaphragm-based mechanical pressure switches designed for reliable monitoring of both positive and, where applicable, differential pressures. These switches are available in a wide pressure range and can include adjustable dead-band settings to fine-tune switch sensitivity. Constructed with stainless steel and brass wetted parts, they resist corrosion and are suitable for various media, including hydraulic oils, water glycol, and air. SPDT (single-pole, double-throw) electrical contacts make them easy to integrate with control systems, and an optional LED indicator is often included to provide visual confirmation of switching status. Standard electrical ratings such as 10 A at 250 VAC ensure compatibility with industrial power systems. These mechanical pressure switches are ideal for safeguarding hydraulic systems, compressors, pumps, and process control systems. In hydraulic circuits, they can prevent overpressure damage by shutting systems down or triggering alarms when pressure thresholds are exceeded. In HVAC installations, they serve as pressure interlocks–for example, ensuring that compressors only start once sufficient refrigerant flow is confirmed. With their simple but sturdy design, they're well-suited for environments where electrical power may be intermittent or where quick mechanical switching is preferred over electronic alternatives. Easy to mount via G⅛ or ¼ BSP ports, they offer installers a versatile and low-maintenance option, making them a popular choice in industrial automation, mobile hydraulics, and safety-critical systems.

TECHNICAL DATA

Adjustment range max	5 bar
Adjustment range min	0.5 bar
Approvals	CSA US, RoHS II
Contact load max ac	4 A
Contact load max dc	0.25 A
Deviation max	±0,3
Electrical connection	Spade (AMP 6,3x0,8 mm)
Function	Changeover (SPDT)
Hysteresis	10-30% depending on set value
IP class	IP00

Material membrane	NBR
Material of body	Stainless steel 1.4305
Material of wetted parts	NBR, Stainless steel 1.4305
Max switching frequency/min	200
Mechanical life expectancy	1 million exchanges
Pressure max	300 bar
Process connection	G1/4
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Temperature of media from	-40 °C
Temperature of media to	100 °C
Voltage ac/dc max	250 V
Voltage ac/dc min	10 V
Weight	100 g







