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SUCO - 0186/0187 PRESSURE SWITCH

Stainless steel body

0186461032012
10..100 bar, G1/4, CO, EPDM, Spade, Stainless steel



- Up to 250 V
- Spade terminals
- Five adjustment ranges from 0,5..5 bar to 50-200 bar
- Changeover (SPDT)
- Over pressure safety of 300 bar or 600 bar

PRODUCT DESCRIPTION

The SUCO 0186/0187 series are compact, robust mechanical pressure switches housed in a Hex-27 stainless steel (AISI 303) body, designed for demanding industrial and mobile-hydraulic applications. Featuring a snap-action SPDT micro switch with silver contacts, they support operation up to 250 VAC/DC and handle resistive loads up to 4 A. The 0186 (diaphragm type) and 0187 (piston type) offer five factory-adjustable pressure ranges spanning from 0.5–5 bar to 50–200 bar, with differential hysteresis preset between 10–30%. They deliver high overpressure safety with burst ratings exceeding 700 bar in select cases. With a mechanical life expectancy of 1 million cycles, switching rates up to 200/min, and field-adjustable setpoints, they provide precise, long-lasting performance. These switches accommodate a broad media temperature range (–40 °C to +120 °C depending on seal material: NBR, EPDM, FKM, silicone, HNBR) and are IP65-rated when paired with the optional protective cap.
The SUCO 0186/0187 are ideal for clean and aggressive media applications, such as water processing, chemical systems, or medical equipment, thanks to their stainless housing and versatile seal choices. Their SPDT outputs make them suitable for pump control, safety interlocks, and automated system shutdowns. The high-voltage and current handling combined with robust stainless construction enable their inclusion in high-demand environments like hydraulic power units, filtration systems, and OEM machinery, where reliability and accuracy in pressure monitoring are essential. The compact Hex-27 form factor and spade-terminal connectivity also simplify field adjustments and quick installation during routine maintenance or calibration tasks.

TECHNICAL DATA

Adjustment range min	10 bar
Adjustment range max	100 bar
Pressure max	300 bar
Function	Changeover (SPDT)
Electrical connection	Spade (AMP 6,3x0,8 mm)
IP class	IP00
Approvals	CSA US, RoHS II
Material of body	Stainless steel 303
Material of wetted parts	EPDM, Stainless steel 303

Material membrane	EPDM
Temperature of media from	-30 °C
Temperature of media to	120 °C
Contact load max ac	4 A
Contact load max dc	0.25 A
Voltage ac/dc max	250 V
Voltage ac/dc min	10 V
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Deviation max	±3,0-5,0
Max switching frequency/min	200
Process connection	1/4 BSP
Weight	100 g

Hysteresis	10-30% depending on set value
Mechanical life expectancy	1 million exchanges







