OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

SUCO - 0186/0187 PRESSURE SWITCH

Stainless steel body

0186457031003
0,5..5 bar, G1/4, CO, NBR, 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 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 303
Material of wetted parts	NBR, Stainless steel 303
Max switching frequency/min	200
Mechanical life expectancy	1 million exchanges
Pressure max	300 bar
Process connection	1/4 BSP
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Temperature of media from	-40 °C
Temperature of media to	100 °C
Type Pressure Switch	High accuracy
Voltage ac/dc max	250 V
Voltage ac/dc min	10 V
Weight	100 g







