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SUCO - 0183 PRESSURE SWITCH

High pressure

0183462451051
100..300 bar, M14x1.5, CO, NBR, Spade



- Up to 250 V
- Spade terminals
- Two adjustment ranges of 100..300 bar & 200..400 bar
- Changeover (SPDT)
- Over pressure saftey of 600 bar

PRODUCT DESCRIPTION

The SUCO 0183 is a high-pressure SPDT (changeover) piston pressure switch housed in a compact hex-27 zinc-plated steel body. It supports field-adjustable switching points within two ranges, with an overpressure safety rating up to 600 bar. With spade electrical connections, it accommodates voltages from 10 V to 250 V AC/DC and resistive currents up to 4 A. The switch features silver snap-action contacts, ±10% deviation, hysteresis of 10–30%, and a mechanical lifespan exceeding one million cycles. It performs reliably between −40 °C and +100 °C on the media side (up to +120 °C with EPDM or FKM seals), and −20 °C to +80 °C ambient. Variants offer choice of seals (NBR, EPDM, FKM, HNBR) for compatibility with various fluids.
Engineered for demanding, high-pressure systems, the SUCO 0183 excels in rugged environments such as mobile hydraulics, power packs, water systems, test benches, and industrial fluid control. Its compact size and durable construction enable straightforward integration into hydraulic manifolds, pipeline safety circuits, and pump control systems. The field-adjustable setpoint allows onsite fine-tuning during commissioning, while its high overpressure rating ensures safety and resilience under extreme pressure spikes. Ideal for uses in agriculture, construction, and industrial automation, the 0183 offers a dependable, long-life solution for critical pressure monitoring and switching tasks.

TECHNICAL DATA

Adjustment range max	300 bar
Adjustment range min	100 bar
Approvals	CSA US, RoHS II
Contact load max ac	4 A
Contact load max dc	0.25 A
Deviation max	±10,0
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	Zinc-plated steel
Material of wetted parts	Zinc-plated steel, NBR
Max switching frequency/min	200
Mechanical life expectancy	1 million exchanges
Pressure max	600 bar
Process connection	M14x1.5
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







