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SUCO - 0140/0141 PRESSURE SWITCH

IP65

0140457031003
0,3..1,5 bar, G1/4, CO, NBR, Cap



- Up to 250 V
- Includes Polyamide Cap
- Ranges from 0,3..1,5 bar to 50...150 bar
- Changeover (SPDT)
- Over pressure safety from 300 bar up to 600 bar

PRODUCT DESCRIPTION

The SUCO 0140 (diaphragm type) and 0141 (piston type) switches are compact, hex-27 mechanical devices featuring a zinc-plated steel body with snap-action silver contacts and screw terminal wiring, plus an optional IP65-rated polyamide cap. They operate across a broad voltage range (5–24 V DC, 10–250 V AC/DC) with max current capacities up to 2 A AC/DC depending on the configuration. Pressure ranges are available from as low as 0.3 bar up to 150 bar, with tolerances between ±0.2 and ±5 bar depending on range. Designed for high durability, they withstand pressure rise rates up to 1,000 bar/s, endure ~1 million cycles at ≤50 bar, resist vibration/shock, and maintain stable performance in temperatures from –40 °C to +120 °C depending on seal material.
The 0140/0141 series excels in hydraulic and pneumatic systems where reliable, potential-free pressure-based switching is needed. Typical uses include pump control, safety shut-offs, alarm activation, and monitoring in mobile hydraulics, industrial machinery, water systems, and chemical plants. The diaphragm model is suited for wet media and gas, while the piston variant handles higher pressures with broader range options up to 150 bar. Their compact hex housing and multiple thread options (G1/4″, NPT, UNF) simplify integration, and the mechanical snap-action gives fast response with approximately 10–20% factory-set hysteresis. With versatility in seal compatibility and IP65 environmental protection, these switches provide durable, serviceable solutions in harsh industrial environments without requiring external power.

TECHNICAL DATA

Adjustment range min	0.3 bar
Adjustment range max	1.5 bar
Pressure max	300 bar
Function	Changeover (SPDT)
Electrical connection	DIN
IP class	IP65
Approvals	CSA US, RoHS II
Material of body	Zinc-plated steel
Material of wetted parts	Zinc-plated steel, NBR
Material membrane	NBR
Temperature of media from	-40 °C
Temperature of media to	100 °C
Contact load max ac	2 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	±0,2
Max switching frequency/min	200
Process connection	1/4 BSP
Weight	100 g

Type Pressure Switch	High accuracy







