



## SUCO - 0161 HEAVY DUTY PRESSURE SWITCH

Aluminium body

0161441141001

100..400 bar, G1/4 female, CO, NBR, DIN, Aluminium

- Up to 250 V
- Connector included (DIN 43650/Form A)
- Six adjustment ranges from 0,5..1 bar to 100..400 bar
- Changeover (SPDT)
- Over pressure safety from 200 bar up to 600 bar



### PRODUCT DESCRIPTION

The SUCO 0161 is a rugged, block-style mechanical pressure switch designed for heavy-duty industrial environments. It features a durable aluminium body (30 A/F) with a standard DIN 43650-Form A connector and operates up to 250 V AC/DC with SPDT (changeover) silver contacts. It offers six field-adjustable pressure ranges, with high overpressure safety ratings ranging from 200 bar for lower-range diaphragm variants and up to 600 bar for piston types. The switch maintains excellent stability with a maximum deviation of  $\pm 0.2$  bar on low ranges and  $\pm 0.5$ – $5$  bar on higher ranges, it can handle switching frequencies up to 200/min and provides an IP65 ingress protection rating. It functions reliably in ambient temperatures from  $-20$  °C to  $+80$  °C, and with various seal materials (NBR, EPDM, FKM), it's compatible with diverse fluids and temperature environments.

The SUCO 0161 excels in demanding hydraulic systems, high-pressure power packs, and heavy machinery installations where reliability and overpressure protection are critical. Its field-adjustability allows technicians to fine-tune activation setpoints on-site for optimal control, while the robust aluminium housing and high IP65 protection enable use in harsh, outdoor, or wash-down environments. With its high-voltage capability and changeover contacts, it's well-suited for safety interlocks, pump control, or pressure shutdown tasks in general hydraulics, water systems, and heavy industry applications. Whether mounted as a wall block or integrated via G1/4 female thread, the 0161 offers a versatile, rugged solution for heavy-duty pressure monitoring needs.

### TECHNICAL DATA

Adjustment range max	400 bar
Adjustment range min	100 bar
Approvals	CE, RoHS II
Contact load max ac	5 A
Contact load max dc	3.5 A
Deviation max	$\pm 5,0$ – $9,0$
Electrical connection	DIN EN 175301-803-A
Function	Changeover (SPDT)
IP class	IP65

Material membrane	NBR
Material of body	Aluminium
Material of wetted parts	Aluminium, NBR
Max switching frequency/min	200
Pressure max	600 bar
Process connection	G1/4 female
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	block Installation
Weight	240 g
Voltage ac/dc max	250 V

