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SUCO - 0161 HEAVY DUTY PRESSURE SWITCH

Aluminium body

0161441143001
100..400 bar, G1/4 female, CO, FKM, DIN, Aluminium

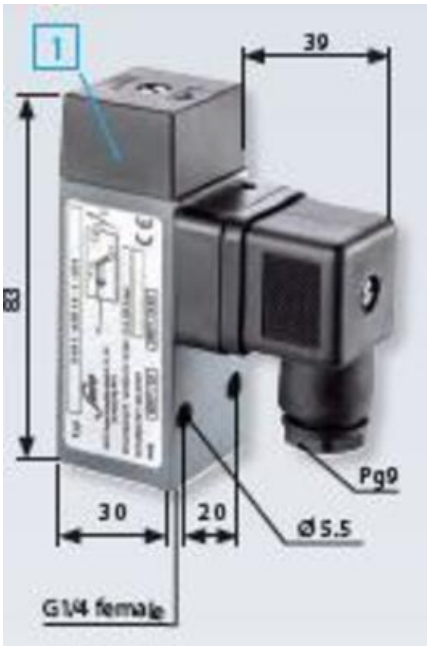
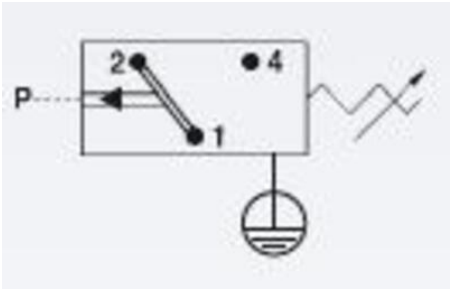
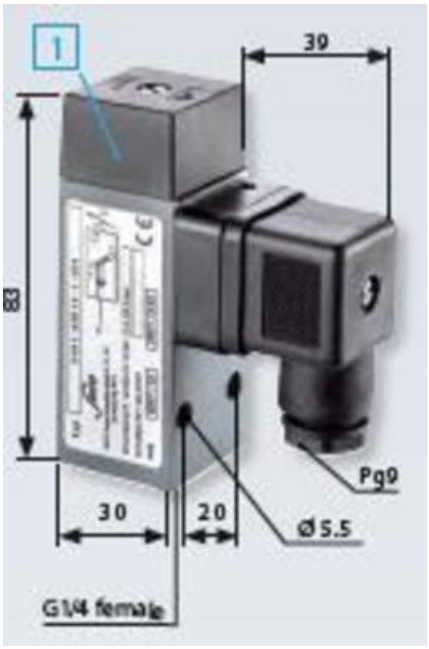
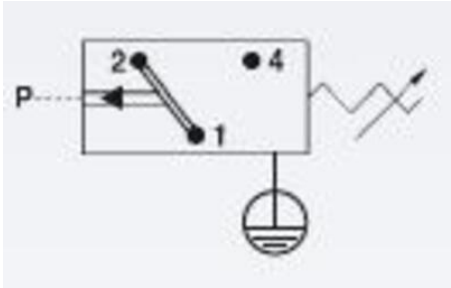
- Up to 250 V
- Connector included (DIN 43650/Form A)
- Six adjustment ranges from 0,5..1 bar to 100..400 bar
- Changeover (SPDT)
- Over pressure safety from 200 bar up to 600 bar

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 ±0.2 bar on low ranges and ±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 min	100 bar
Adjustment range max	400 bar
Pressure max	600 bar
Function	Changeover (SPDT)
Electrical connection	DIN EN 175301-803-A
IP class	IP65
Approvals	CE, RoHS II
Material of body	Aluminium
Material of wetted parts	Aluminium, FKM
Material membrane	FKM

Temperature of media from	-15 °C
Temperature of media to	120 °C
Contact load max ac	5 A
Contact load max dc	3.5 A
Voltage ac/dc max	250 V
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Deviation max	±5,0-9,0
Max switching frequency/min	200
Process connection	G1/4 female
Weight	240 g

Type Pressure Switch	block Installation