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# SUCO - 0161 HEAVY DUTY PRESSURE SWITCH

Aluminium body

0161439143001
10..50 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

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|---|---|
| **Adjustment range min** | 10 bar |
| **Adjustment range max** | 50 bar |
| **Pressure max** | 200 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** | -5 °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** | ±3,0 |
| **Max switching frequency/min** | 200 |
| **Process connection** | G1/4 female |
| **Weight** | 240 g |










