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SUCO 0570 ELECTRONIC PRESSURE SWITCH/SENSOR

Dual output with display

0570467141001
4-20mA, 2xPNP, 0..10 bar, G1/4 female, NBR, DIN



- Programmable using keypad
- Three adjustment ranges from 0..10 bar to 0..400 bar
- 2 PNP + 4-20 mA output
- LED Display

PRODUCT DESCRIPTION

The SUCO 0570 is a precision electronic pressure switch featuring a ceramic thick-film sensor housed in a robust anodised aluminium and zinc die-cast body. It operates on 12–30 V DC and offers two programmable PNP transistor switch outputs (each up to 1.4 A) plus a 4–20 mA analogue output. Users can adjust two independent setpoints and their hysteresis via a front-panel keypad and a clear three-digit LED display. Field-adjustable options include time delays (0–3 s), zero-point reset, peak-value memory, and switch-point counters. Available in various pressure ranges, it supports overpressure safety up to 20 bar, 175 bar, or 650 bar depending on range, with burst limits reaching 25 bar, 300 bar, and 650 bar respectively. It features ±0.5% FS accuracy, ≤4 ms response time, IP65 protection, shock resistance to 294 m/s², and a mechanical life expectancy of 5 million cycles.
The SUCO 0570 is tailored for sophisticated control in hydraulics, pneumatics, industrial air systems, and factory automation. Its dual switch outputs and analogue signal allow direct interfacing with both digital control logic and PLC-based monitoring. The ceramic sensor ensures long-term stability and suitability for demanding fluid media, while the menu-driven configuration enables quick commissioning and on-site adjustments—ideal for applications like pump control, pressure safety interlocks, system diagnostics, or sequence triggering. Its wide pressure range and overpressure resilience also allow safe use in high-pressure hydraulic circuits or pneumatic actuators. Compact and field-calibratable, it’s a versatile and reliable choice for OEMs and maintenance teams.

TECHNICAL DATA

GENERAL DATA

Adjustment range max	10 bar
Adjustment range min	0 bar
Electrical connection	GO 51 FAV M
Process connection	G1/4 female
Burst pressure	25 bar
Pressure max	20 bar

TEMPERATURE & MATERIALS DATA

Temperature of media from	-20 °C
Temperature of media to	80 °C

Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Material of body	Anodised aluminum
Material of wetted parts	Anodised aluminum, Ceramic, NBR
Material membrane	NBR
Measuring technology	Ceramic cell in thick-film technology

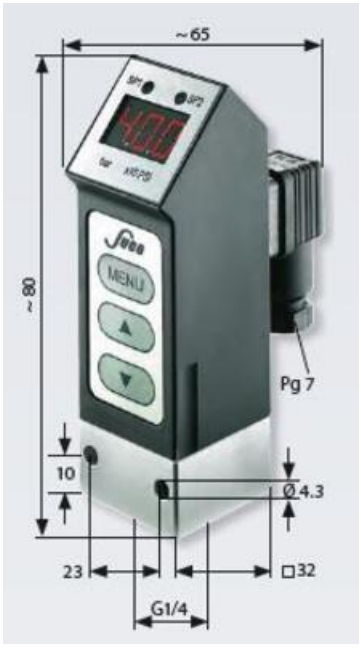
ADDITIONAL DATA

Supply voltage dc max	30 V DC
Supply voltage dc min	12 V DC
Weight	340 g

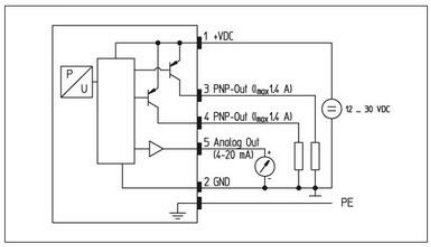
SAFETY & APPROVALS

Approvals	CE, RoHS II
IP class	IP65
Hysteresis	1...99% Full Scale
Shock resistance	294m / s²; 11 ms half sinusoidal wave; DIN EN 60068-2-27
Accuracy	±0.5% FS
Mechanical life expectancy	5,000,000 pulsations at rise rates to 1,000 bar/s nominal pressure

Type Pressure Switch	Electronic



Wiring chart





Wiring chart

