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SUCO - 0342/0343 PRESSURE SWITCH

ATEX rated

0342458601020
1..10 bar, G1/4, SPDT, EX, NBR



- Gas protected zones 1 and 2
- Dust protection zones 21 and 22
- Mining M2
- Voltage up to 250 V
- Working area up to 150 bar

PRODUCT DESCRIPTION

The SUCO 0342 and 0343 are explosion-protected mechanical pressure switches certified for ATEX zones 1/2 (gas), 21/22 (dust), and mining (M2) under 2014/34/EU and IECEx. They are among the most compact ATEX-rated pressure switches available, just 52 mm tall (hex 27). The 0342 model covers adjustable ranges from 0.3 to 50 bar with 6× overpressure safety (up to ~300 bar), while the 0343 handles 50–150 bar and withstands static pressures up to 600 bar. These switches provide rugged operation up to 250 V AC and 2 A resistive loads, housed in zinc-plated steel with anodized aluminium cap, and offer a variety of seal materials (NBR, EPDM, FKM, FFKM, HNBR) and process connections (G¼, ¼ NPT) to suit different fluids and environments. Users can adjust the setpoint via an external screw, even while in service, enhancing flexibility.
Ideal for heavy-duty industrial and potentially explosive environments, such as oil & gas, petrochemical, mining, food processing, and pharmaceuticals, the 0342/0343 series ensures reliable pressure control and safety with a compact footprint. The flameproof "Ex d" enclosure contains any internal ignition and negates the need for external barriers. The diaphragm version (0342) suits low-to-mid pressures (0.3–50 bar), while the piston design (0343) is tailored for higher-pressure systems (up to 150 bar). Typical uses include hydraulic power units, compressor interlocks, pump protection, and process feedback loops in hazardous areas. With strong overpressure capacity and user-adjustable setpoints, these switches play a vital role in system safety, maintenance, and operational continuity.

TECHNICAL DATA

Adjustment range max	10 bar
Adjustment range min	1 bar
Approvals	ATEX, CE, IECEx
Contact load max ac	5 A
Contact load max dc	3.5 A
Deviation max	±1,0
Electrical connection	Embedded 2m cable
Function	Changeover (SPDT)
IP class	IP65
Material membrane	NBR

Material of body	Aluminium
Material of wetted parts	Zinc-plated steel, NBR
Max switching frequency/min	200
Pressure max	300 bar
Pressure range max	10 bar
Pressure range min	1 bar
Pressure type	Relativt tryck
Process connection	1/4 BSP
Temperature of media from	-20 °C
Temperature of media to	80 °C
Voltage ac/dc max	250 V
Voltage ac/dc min	24 V
Weight	230 g