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SUCO - 0151 VACUUM SWITCH

Brass body

0151455153001
-200..-950mbar, G1/8 female, Nc, FKM, Spade, Brass



- Up to 42 V
- Spade or screw terminals
- Adjustment range of 200 mbar to 950 mbar (relative)
- Normally open or Normally closed
- Over pressure safety of 35 bar

PRODUCT DESCRIPTION

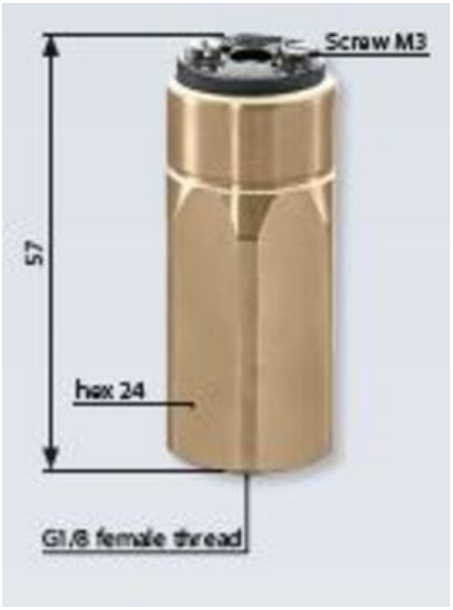
The SUCO 0151 Vacuum Switch is a compact, brass-bodied mechanical pressure switch designed for vacuum applications. It features a standard G 1/8″ female process connection and a HEX 24 mm housing, with FKM-sealed wetted parts and brass body ensuring chemical compatibility with air, oils, greases, fuels and water. It supports field-adjustable setpoints between 200 mbar and 950 mbar (relative vacuum), offering on-site calibration or factory pre-setting with lacquered locking, plus a maximum voltage of 42 V AC/DC and a contact rating of 4 A resistive. The switch comes in both normally-open (NO) and normally-closed (NC) SPST configurations, with connection options via M3 screw terminals or AMP 6.3 x 0.8 mm spade lugs. It delivers stable long-term switching performance, up to 200 operations per minute, and overpressure safety up to 35 bar, critical for handling pressure surges in a vacuum environment.
The SUCO 0151 excels in industrial and medical vacuum systems where precise low-pressure monitoring is essential. It ensures reliable detection of vacuum thresholds for pump control, vacuum packaging, or sterilisation equipment. The FKM sealing and brass body make it resistant to various process fluids, suitable for water, chemical and medical-grade applications, protected to IP 65 for rugged environments. With its ability to adjust hysteresis and switch points onsite, it offers flexibility in custom control systems, while its durable components and proven overpressure tolerance ensure long service life in harsh settings such as lab, OEM and automotive vacuum systems.

TECHNICAL DATA

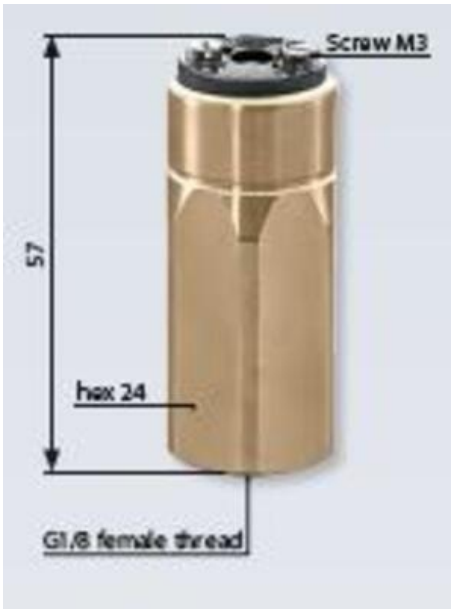
Adjustment range max	0.95 bar
Adjustment range min	0.2 bar
Approvals	RoHS II
Contact rating max	4 A
Deviation max	±100mbar
Electrical connection	Spade (AMP 6,3x0,8 mm)
Function	Normally Closed
IP class	IP00
Material membrane	FKM
Material of body	Brass

Material of wetted parts	FKM, Brass
Max switching frequency/min	200
Operating range max	950 mbar
Operating range min	200 mbar
Process connection	G1/8 female
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Temperature of media from	-15 °C
Temperature of media to	120 °C
Voltage ac/dc max	42 V
Voltage ac/dc min	10 V
Weight	140 g








Screw M3
57
hex 24
G1/8 female thread