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SUCO - 0151 VACUUM SWITCH

Brass body

0151453153001
-200..-950mbar, G1/8 female, Nc, FKM, Screw, 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

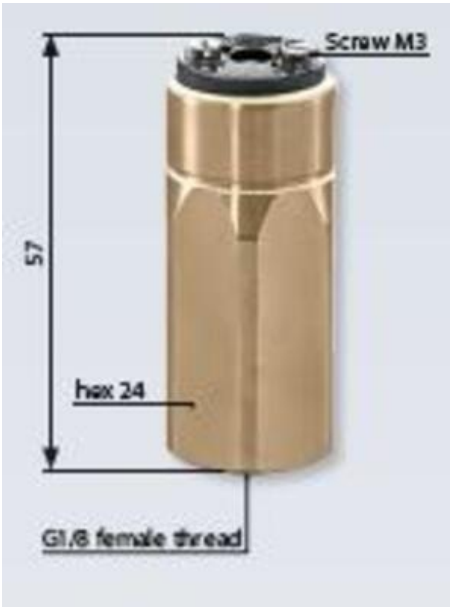
The SUCO 0151 Vacuum Switch is a compact, brass-bodied mechanical pressure switch designed for vacuum applications. It features a standard G 1/8″ female process connection and a HEX 24 mm housing, with FKM-sealed wetted parts and brass body ensuring chemical compatibility with air, oils, greases, fuels 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

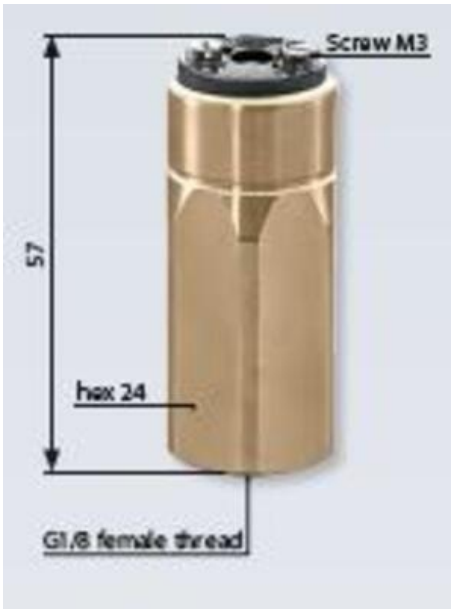
Adjustment range min	0.2 bar
Operating range min	200 mbar
Adjustment range max	0.95 bar
Operating range max	950 mbar
Function	Normally Closed
Electrical connection	Screw (M3)
IP class	IP00
Approvals	RoHS II
Material of body	Brass
Material of wetted parts	FKM, Brass

Material membrane	FKM
Temperature of media from	-15 °C
Temperature of media to	120 °C
Contact rating max	4 A
Voltage ac/dc max	42 V
Voltage ac/dc min	10 V
Temperature ambient from	-20 °C
Temperature ambient to	80 °C
Deviation max	±100mbar
Max switching frequency/min	200
Process connection	G1/8 female
Weight	140 g








Screw M3
57
hex 24
G1/8 female thread