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SUCO 0H64/0H69 HYDROGEN PRESSURE SWITCH

Diaphragm (0H64) / Piston (0H69) Switch

0H69-42041-2-080
0H69, 50 … 150 bar, G1/4-E, NC, EPDM, Spade, Hydrogen



- Suitable for hydrogen applications
- Up to 42V
- Adjustment ranges up to 150 bar
- Up to 600 bar overpressure safety
- Normally open or normally closed

PRODUCT DESCRIPTION

The SUCO 0H64 and 0H69 pressure switches are engineered specifically for hydrogen applications, featuring corrosion-resistant stainless steel (AISI 316L) housings and EPDM diaphragms compatible with hydrogen, oxygen, and various inert gases. They cover a broad range of setpoints with tolerances around ±0.2–5 bar depending on the range. The switches operate at up to 42 V and offer snap-action single-pole switching in normally open or normally closed configurations. They are built to endure extreme conditions, with overpressure safety up to 600 bar and burst strength up to 700 bar, sustaining rapid pressure changes at rates up to 1,000 bar/s and over a million mechanical cycles.
Designed for hydrogen gas systems, such as fuel-cell infrastructure, high-pressure H_2 storage, or industrial hydrogen fuelling, the SUCO 0H64/0H69 series delivers reliable pressure monitoring and safety cut-off functionality. Their robust stainless-steel construction and EPDM sealing ensure compatibility with hydrogen applications in mobility, energy, and petrochemical sectors. The wide range of pressure settings makes them suitable for low-pressure control in pneumatic circuits as well as high-pressure safety limits in storage vessels. With IP65-rated plug-in or push-in connections and standard G¼ threaded ports, these switches are easy to install and ideal for system safety interlocks, backup alarms, or pressure-based automation in both mobile and stationary hydrogen systems.

TECHNICAL DATA

Adjustment range max	150 bar
Adjustment range min	50 bar
Approvals	RoHS 3
Deviation max	±5.0
Electrical connection	Spade (AMP 6,3x0,8 mm)
Function	Normally Closed
Material membrane	EPDM
Material of body	Stainless steel 316L
Pressure max	600 bar
Process connection	G1/4-E
Voltage max	42 V


AMP 6,3 x 0,8
electroplated tin
46
hex 24
12
Sealing ring
ISO 1179-2


AMP 6,3 x 0,8
electroplated tin
46
hex 24
12
Sealing ring
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