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SUCO 0H86/0H87 HYDROGEN PRESSURE SWITCH

Diaphragm (0H86) / Piston (0H87) Switch

0H86-45941-2-080
0H86, 10 … 50 bar, G1/4-E, CO, EPDM, Spade, Hydrogen

- Suitable for hydrogen applications
- Up to 250V
- Adjustment ranges up to 200 bar
- Up to 700 bar overpressure safety
- Changeover (SPDT)

PRODUCT DESCRIPTION

The SUCO 0H86 (diaphragm type) and 0H87 (piston type) are SPDT changeover mechanical pressure switches designed specifically for hydrogen applications. Built with a 316L stainless steel hex-27 housing and EPDM diaphragm (0H86) or piston mechanism (0H87), they operate up to 250 VAC/DC. Their adjustable pressure ranges start from 0.5 bar and extend up to 200 bar, and they offer exceptional overpressure safety, up to 700 bar in select variants, for added protection against transients. These models include factory-set hysteresis and utilise reliable silver contacts, ensuring stable, long-term switching performance in critical environments.
These hydrogen-compatible switches are ideal for high-pressure gas systems, fuel cell installations, and industrial hydrogen storage or dispensing stations. Their hydrogen-ready design enables safe pressure monitoring and automatic control while maintaining integrity in potentially explosive atmospheres. The choice between diaphragm and piston sensing allows adaptability depending on media cleanliness and pressure ranges, making them suitable for applications in mobility (e.g., hydrogen refuelling vehicles), petrochemical, or hydrogen generation setups. With robust construction, excellent overpressure resilience, and hydrogen certification, the 0H86/0H87 series provides a reliable, precise, and safe solution for industrial hydrogen pressure control systems.

TECHNICAL DATA

Adjustment range max	50 bar
Adjustment range min	10 bar
Approvals	RoHS 3, CE
Deviation max	±3.0
Electrical connection	Spade (AMP 6,3x0,8 mm)
Function	Changeover (SPDT)
Material membrane	EPDM
Material of body	Stainless steel 316L
Pressure max	400 bar
Process connection	G1/4-E
Voltage max	250 V


AMP 6,3 x 0,8
50
hex 27
9
Sealing ring
ISO 1179-2


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