

PS4 Series Diaphragm Pressure Switch

Model: PS4

Product family: Pressure Measurement

Category: Mechanical Pressure Switches

Overview

Diaphragm pressure switch with a snap-action SPDT contact for neutral liquids and gases.

Features

- Elastic diaphragm
- Compact construction
- 0.3 mm pressure snubber
- Factory-set switch point available

Applications

- Neutral liquid or gas pressure monitoring

Technical Specifications

Specification	Source value
Adjustment range	1–10 bar
Maximum system pressure	200 bar
Repeatability	Max. $\pm 2\%$ FS at room temperature
Hysteresis	Reference: 0.1 bar + (5–10)% of set point; not adjustable
Mechanical life	$>1 \times 10^6$ operations
Switching frequency	Max. 1 Hz
Temperature range	-40°C to +80°C
Vibration	10 g, 10–2000 Hz, sinusoidal, ISO 16750-3
Shock	30 g, 14 ms, sinusoidal, DIN 40046 T7
Protection	IP00 Faston; IP67 M12×1 or Deutsch; IP68 cable outlet
Weight	Approx. 0.1 kg

Source-Control Status

Ready