

OEM compact pressure switch

Miniature format

Model PSM04

WIKA data sheet PV 34.84

Applications

- Heating technology
- Pneumatics
- Media: Compressed air, neutral fluids

Special features

- Reliable and cost-effective
- Compact design in miniature format
- 10⁶ switching cycles



OEM compact pressure switch, miniature format,
model PSM04

Description

Model PSM04 screw-in pressure switches in a diaphragm design open or close a circuit, depending on whether the pressure is dropping or rising. The easy and convenient setting of the switch point is enabled via an adjustment screw. Optionally, WIKA offers customers the factory setting of the switch point.

The small installation size makes this pressure switch especially interesting for customers for whom small space requirements play an important role in their design. This advantage enables the PSM04 to prevail, particularly when costs are also important.

Model PSM04 pressure switches find an application wherever compressed air and neutral fluids are used. Thus the pressure switches are mainly used in the heating technology and pneumatics industries, but also in general industrial applications.

Standard version

Case

Steel, galvanised

Reproducibility

±5 % of full scale value

Permissible temperature

Ambient: -20 ... +75 °C

Medium: -20 ... +75 °C

Process connection

Polyamide 6

G 1/8

Measuring element

Diaphragm with compression spring

Sealing

Diaphragm: NBR

Switch contacts

Slow-action switch, silver-plated contacts

Switching function

Selectable: Normally open, normally closed

Switching power

Switching voltage: DC / AC 42 V

Switching current: 2 A

Electrical connection

Blade terminal 2 x 6.3 x 0.8

Switching frequency

max. 200/min

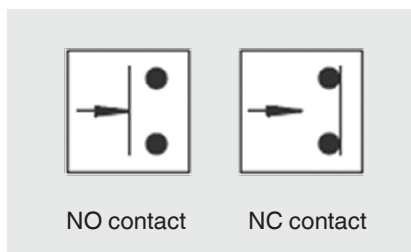
Service life

> 1 x 10⁶ switching cycles

Ingress protection

IP 00

Switch configuration



Setting ranges, max. working pressure, measuring principle, hysteresis

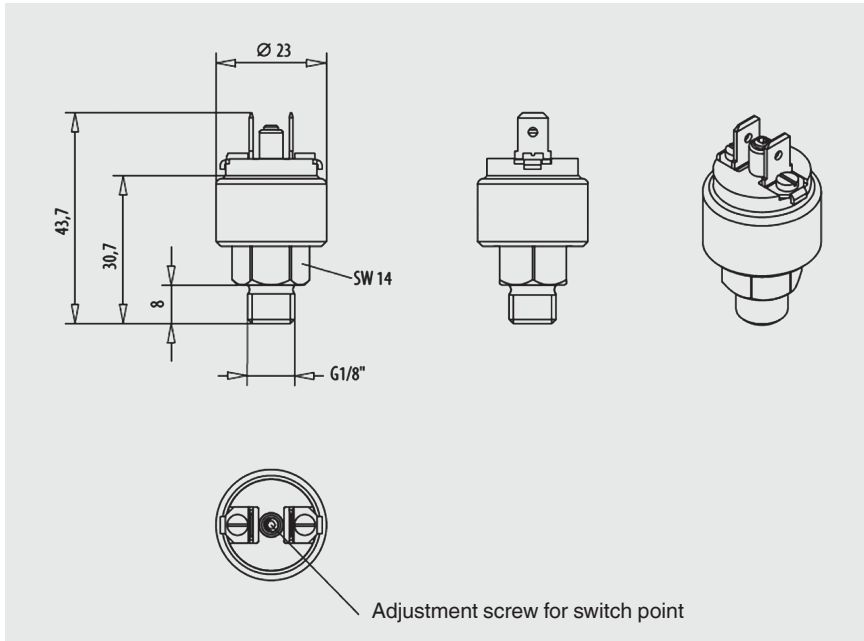
| Setting ranges in bar | Max. working pressure in bar | Measuring principle | Hysteresis |
|--------------------------|------------------------------------|------------------------|------------|
| 0.3 ... 2 | 2 | Diaphragm | < 10 % |
| 1 ... 8 | 8 | Diaphragm | < 10 % |

Options

- Factory setting of the switch point
- Gold contacts

Dimensions in mm

Standard version



Ordering information

Model / Setting range / Switching function / Process connection / Sealing / Electrical connection / Options

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