

OEM compact pressure switch Miniature format, brass design Model PSM05

WIKA data sheet PV 34.85

Applications

- Machine building and plant construction
- Pneumatics
- Media: Compressed air, neutral fluids and gases

Special features

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



OEM compact pressure switch, miniature format,
brass design, model PSM05

Description

Model PSM05 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 PSM05 to prevail, particularly when costs are also important.

Model PSM05 pressure switches find an application wherever compressed air, neutral fluids and gases are used. Thus the pressure switches are mainly used in the machine-building, plant-construction and pneumatics industries, but also in general industrial applications.

Standard version

Case

Brass

Reproducibility

±5 % of full scale value

Permissible temperature

Ambient: -25 ... +85 °C

Medium: -25 ... +85 °C

Process connection

Brass

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

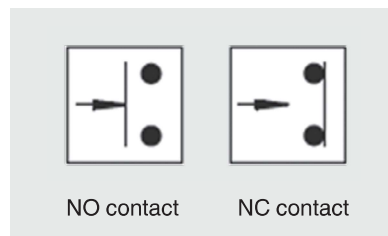
Service life

> 1 x 10⁶ switching cycles

Ingress protection

IP 00

Switch configuration



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

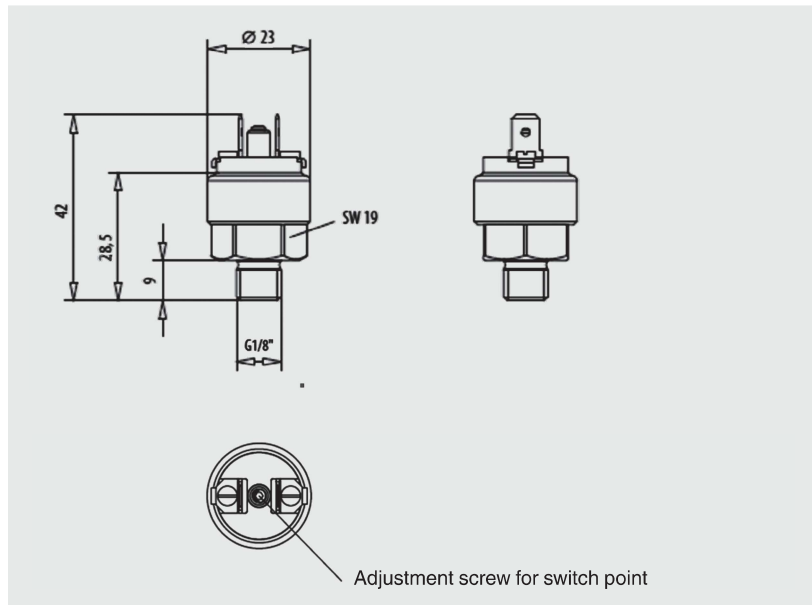
Setting ranges in bar	Max. working pressure in bar	Measuring principle	Hysteresis
0.3 ... 2	2	Diaphragm	< 10 %
1 ... 10	10	Diaphragm	< 10 %

Options

- Factory setting of the switch point
- Other materials on request
- Higher temperature resistance on request
- Gold contacts
- Other process connection on request

Dimensions in mm

Standard version



Ordering information

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

© 2014 WIKA Alexander Wiegand SE & Co. KG, all rights reserved.
The specifications given in this document represent the state of engineering at the time of publishing.
We reserve the right to make modifications to the specifications and materials.

