

# OEM compact pressure switch

## Basic version

### Model PSM06

WIKA data sheet PV 34.86

#### Applications

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

#### Special features

- Reliable and cost-effective
- Compact design
- 10<sup>6</sup> switching cycles
- Setting ranges from 0.2 ... 2 bar to 100 ... 350 bar



**OEM compact pressure switch, basic version,  
model PSM06**

#### Description

Model PSM06 screw-in pressure switches in a diaphragm or piston 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 and for applications where high setting ranges are required.

Model PSM06 pressure switches find an application wherever gaseous and liquid media are used. Thus the pressure switches are mainly used in the machine-building, plant-construction, pneumatics and hydraulics industries, but also in general industrial applications.

## Standard version

### Case

Steel, galvanised

### Reproducibility

±5 % of full scale value

### Permissible temperature

Ambient: -25 ... +85 °C

Medium: -25 ... +85 °C

### Process connection

Steel, galvanised

G 1/4

G 1/8

M12 x 1.5

M10 x 1, tapered

### Measuring element

Diaphragm or piston with compression spring

### Sealing

Diaphragm: NBR

Piston: UR

### Switch contacts

Contacts silver-plated

### 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

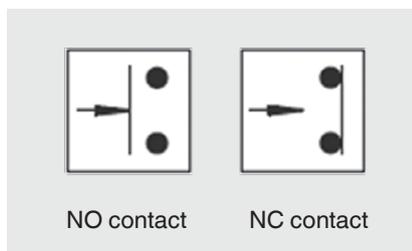
### Service life

> 1 x 10<sup>6</sup> switching cycles

### Ingress protection

IP 00

### Switch configuration



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

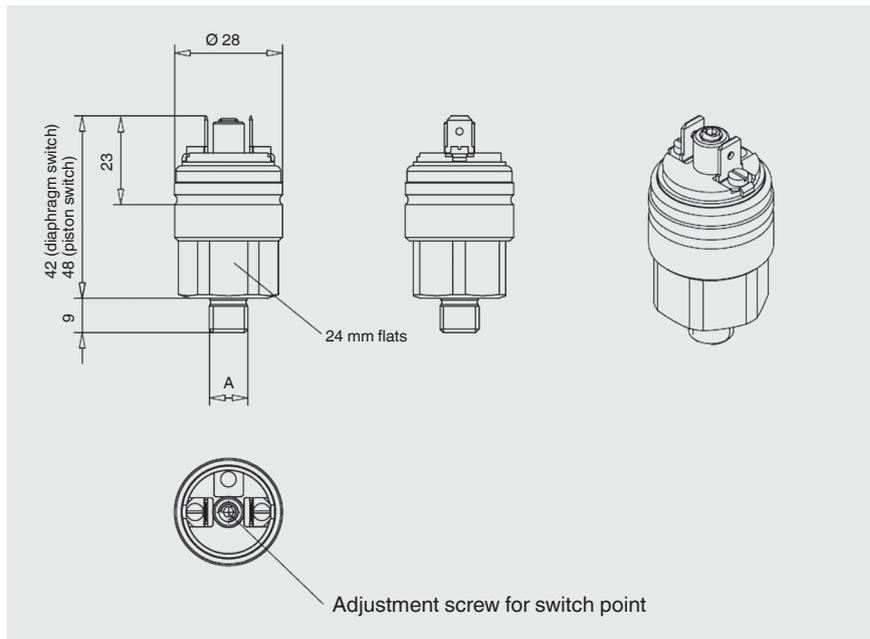
Setting ranges in bar	Max. working pressure in bar	Measuring principle	Hysteresis
0.3 ... 2	2	Diaphragm	10 ... 15 %
1 ... 10	10	Diaphragm	10 ... 15 %
10 ... 70	70	Piston	10 ... 15 %
50 ... 200	200	Piston	10 ... 15 %
100 ... 350	350	Piston	10 ... 15 %

## Options

- Factory setting of the switch point
- Other materials on request
- Cable preparation on request
- Gold contacts
- Other process connection

## 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.

