OEM compact pressure switch
Basic version
Model PSM06

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
- $10^6$ switching cycles
- Setting ranges from 0.2 … 2 bar to 100 … 350 bar

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 10⁶ switching cycles

Ingress protection
IP 00

Switch configuration

NO contact
NC contact

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

<table>
<thead>
<tr>
<th>Setting ranges in bar</th>
<th>Max. working pressure in bar</th>
<th>Measuring principle</th>
<th>Hysteresis</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3 ... 2</td>
<td>2</td>
<td>Diaphragm</td>
<td>10 ... 15 %</td>
</tr>
<tr>
<td>1 ... 10</td>
<td>10</td>
<td>Diaphragm</td>
<td>10 ... 15 %</td>
</tr>
<tr>
<td>10 ... 70</td>
<td>70</td>
<td>Piston</td>
<td>10 ... 15 %</td>
</tr>
<tr>
<td>50 ... 200</td>
<td>200</td>
<td>Piston</td>
<td>10 ... 15 %</td>
</tr>
<tr>
<td>100 ... 350</td>
<td>350</td>
<td>Piston</td>
<td>10 ... 15 %</td>
</tr>
</tbody>
</table>

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

Adjustment screw for switch point

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