OEM compact pressure switch
Miniature format, brass design
Model PSM05

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
- $10^6$ switching cycles

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

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### 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

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### 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>&lt; 10 %</td>
</tr>
<tr>
<td>1 ... 10</td>
<td>10</td>
<td>Diaphragm</td>
<td>&lt; 10 %</td>
</tr>
</tbody>
</table>

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### 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

Adjustment screw for switch point

Ordering information

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

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