OEM compact pressure switch
Miniature format
Model PSM04

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

Special features
- Reliable and cost-effective
- Compact design in miniature format
- $10^6$ switching cycles

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 10^6 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>&lt; 10 %</td>
</tr>
<tr>
<td>1 ... 8</td>
<td>8</td>
<td>Diaphragm</td>
<td>&lt; 10 %</td>
</tr>
</tbody>
</table>

Options
- Factory setting of the switch point
- Gold contacts
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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