

## Mechanical pressure switch Miniature S4110, S4111

**NC or NO contact  
for applications with limited space**



S4110



S4111

### Description

The small hexagon and minimal height make these switches particularly attractive for applications where space is limited. The minimal space requirements and light-weight nature of this product doesn't even come with a high price tag. In fact, the advantages offered by these pressure switches make them an excellent value when costs are given priority.

The miniature pressure switches are used for the control and monitoring of pressurized mediums in machine and plant construction. The switch can be used with many gaseous and liquid media.

These diaphragm type pressure switches in brass or zinc plated steel housings are available off-the-shelf as break contacts or make contacts. An adjustment screw makes it easy to adjust the switching points on-site. Gold-plated contacts are also available as an option for low switching currents.

### Features

- Small size ( 42 and 44 mm )
- Low weight ( 20 and 34 g)
- Low priced
- Low hysteresis

### Applications

- Mechanical engineering
- Plant construction

#### Model S4110

Adjustment ranges (bar)	Overload limit (bar)	Repeatability <sup>1)</sup> (bar)	Hysteresis (%)	Measuring principle	Switching function	
					NC	NO
0,5 ... 2	2	± 0.2	< 10	Diaphragm	S4110B071001	S4110B071002
1 ... 10	10	± 0.5			S4110B075001	S4110B075002

#### Model S4111

Adjustment ranges (bar)	Overload limit (bar)	Repeatability <sup>1)</sup> (bar)	Hysteresis (%)	Measuring principle	Switching function	
					NC	NO
0.5 ... 2	2	± 0.2	< 10	Diaphragm	S4111B071001	S4111B071101
1 ... 8	8	± 0.5			S4111B144001	S4111B144101

The repeatability refers to 20 °C.

We suggest the suitable protection cap: AZM90X101005.

**Model: S4110, S4111**

## Technical data

		Mechanical pressure switch Miniature	
<b>Model</b>	S4110	S4111	
<b>Execution</b>	positive gauge pressure		
<b>Media</b>	compressed air, neutral fluid		
<b>Process connection</b>	G 1/8		
<b>Measuring principle</b>	spring loaded diaphragm		
<b>Materials</b>			
Measuring element standard optional	NBR diaphragm EPDM, FPM, others on request	NBR diaphragm EPDM, FPM, others on request	
Thread standard optional	brass stainless steel, zinc plated steel	plastic	
Housing standard optional	brass, contact insert plastic stainless steel, zinc plated steel	zinc plated steel, contact insert plastic stainless steel	
<b>Switching outputs</b>			
Number	1		
Switching function	NC (plastic top black) NO (plastic top red)		
Switching element standard option	silver plated contacts gold plated contacts		
Adjustment standard option	in site, with adjustment screw factory adjusted		
<b>Hysteresis</b>	< 10 % of full scale		
<b>Power rating<sup>1)</sup></b>			
DC up to 42 V	max. 2 A		
AC up to 42 V	max. 2 A		
<b>Load cycles</b>	max. 200/min.		
<b>Temperature ranges</b>	-25 ... +85°C	-20 ... +75 °C	
<b>Electrical connection</b>	spade terminals 2 x 6.3 x 0.8		
<b>Protection type</b>	IP00		
<b>Mounting position</b>	any		
<b>Weight</b>	0.03 kg	0.02 kg	

<sup>1)</sup> All specification for ohmic load.

Dimensions ( in mm )		Electrical connection	
S4110	S4111	NC	NO

Subject to technical alternations