# **Mechanical pressure switch Miniature S4110, S4111**

NC or NO contact for applications with limited space







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	Overload limit	Repeat- ability <sup>1)</sup>	Hysteresi s	Measuring principle	Switching function	
(bar)	(bar)	(bar)	(%)		NC	NO
0,5 2	2	± 0.2	< 10	Diaphragm	S4110B071001	S4110B071002
1 10	10	± 0.5			S4110B075001	S4110B075002

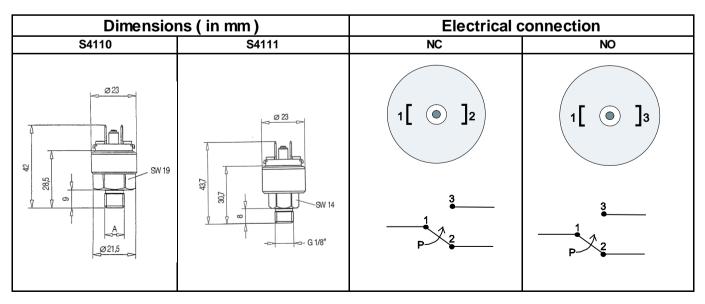
#### Model S4111

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

## **Technical data**

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

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



Subject to technical alternations