

Mechanical pressure switch S4230

**Changeover contact
with turnable process connection**



Description

Mechanical pressure switch for converting pneumatic or hydraulic signals into electrical switching signals. The setpoint is easy to adjust with an adjustment screw. The angular plug does not have to be removed for the adjustment of the switching point.

This versatile and durable diaphragm and piston switch is available from stock in standard version with a changeover contact, steel case and G1/4 pressure connection. Other materials and pressure connections are possible upon request.

The S4230 can be used to control and monitor pressure media in machine and plant engineering. It is suitable for many different gaseous and liquid media.

Its design with an angular plug is particularly suitable for variable installation in machinery. The rotatable pressure connection helps with optimal alignment of the angular plug after installation.

Features

- Changeover contact
- Long service life
- Turnable process connection
- Power rating up to 5 A

Applications

- Mechanical engineering
- Plant construction

Adjustment ranges (bar)	Overload limit (bar)	Burst pressure (bar)	Repeatability ¹⁾ (bar)	Hysteresis (%)	Measuring principle	Switching function
						SPDT
0,3 ... 2	2	5	± 0.2	15 ... 25	Diaphragm	S4230B071001
1 ... 10	10	20	± 0.5			S4230B075001
10 ... 70	70	120	± 3.0		Piston	S4230B127001
50 ... 200	200	300	± 5.0			S4230B083001

¹⁾ The repeatability refers to 20°C.

Model: S4230

Technical data

Mechanical pressure switch	
Model	S4230
Execution	positive gauge pressure
Media	compressed air, neutral fluids, self-lubricating fluids
Process connection standard optional	G1/4 G1/8; others on request
Measuring principle	≤ 12 bar: spring loaded diaphragm > 12 bar: spring loaded piston
Materials Measuring element standard optional Thread standard optional Housing standard optional	diaphragm type NBR FPM; others on request zinc plated steel; stainless steel; others on request zinc plated steel; contact insert plastic stainless steel; contact insert plastic
Switching outputs Number Switching function Switching element standard option Adjustment standard option	1 changeover contact (SPDT) microswitch silver plated contacts gold plated contacts on-site, with adjustment screw factory adjusted
Hysteresis	15 ... 25%
Power rating¹⁾ DC up to up to AC up to	42 V 2 A 110 V 0.5 A 250 V 5 A
Load cycles	max. 200/min
Mechanical life²⁾	10 ⁶
Temperature ranges	-25 °C ... +85 °C
Electrical connection	L-plug acc. to DIN EN 175301-803
Protection type	IP65
Mounting position	any
Weight	approx. 0.25 kg

¹⁾ All specification for ohmic load. For voltages > 42 V regulation for protective means have to be regarded!

²⁾ Depending on mechanical and electrical load.

Dimensions (in mm)					Electrical connection	
					Changover contact (SPDT)	
B	a	b	H	G		
65	9	5	51	G1/4		

Subject to technical alternations