

# **Mechanical pressure switch S4230**

Change-over 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 via an adjusting screw. The angular plug does not have to be removed to adjust the setpoints.

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. Here, the rotatable pressure connection helps with optimal alignment of the angular plug after installation.

#### **Features**

- Change-over contact
- Long-life cycle
- Turnable process connection
- Power rating up to 5A

### **Applications**

- Mechanical engineering
- Plant construction

Adjustment ranges	Overload limit	Repeat- ability <sup>1)</sup>	Hysteresis (%)	Measuring principle	Switching function
(bar)	(bar)	(bar)			SPDT
0,32	2	±0,2		Diaphragm	S4230B071001
110	10	±0,5	1525		S4230B075001
1070	70	±3,0	1525	Piston	S4230B127001
50200	200	±5,0			S4230B083001

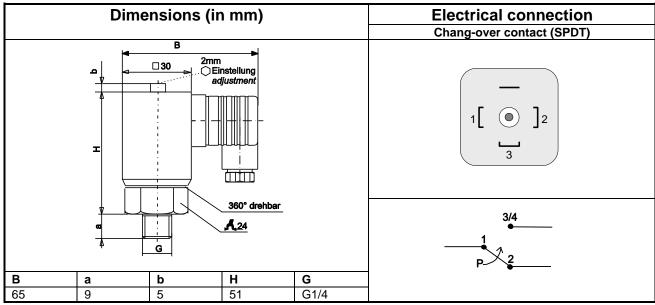
<sup>1)</sup> The repeatability refers to 20°C.

Model: S4230

# **Technical data**

	Mechanical pressure switch			
Model	S4230			
Execution	positive gauge pressure			
Media	compressed air, neutral fluid, self-lubricating fluid			
Process connection	, , , , , , , , , , , , , , , , , , ,			
standard	G1/4			
optional	G1/8; others on request			
Measuring principle	spring loaded diaphragm ≤12bar spring loaded piston >12 bar			
Materials	diaphragm type	piston type		
Measuring element				
standard	NBR	zinc plated steel; PUR		
optional	FPM; others on request	others on request		
Thread				
standard	zinc plated steel;			
optional	stainless steel; others on request			
Housing				
standard	zinc plated steel; contact insert plastic			
optional	stainless steel; contact insert plastic			
Switching outputs				
Number	1 shanna ayan cantast (CDDT)			
Switching function	change-over contact (SPDT)			
Switching element standard	microswitch			
option	silver plated contacts			
Adjustment	gold plated contacts			
standard	in site, with adjustment screw			
option	factory adjusted			
Hysteresis	1525%			
Power rating <sup>1)</sup>	102070			
DC uo to 42 V	2 A			
up to 110 V	0,5 A			
AC up to 42 V / 250 V	5 A			
Load cycles	max. 200/min			
Temperature ranges	-25°C+85°C			
Electrical connection	L-plug acc. to DIN EN 175301-803			
Protection type	IP65			
Mounting position	any			
Weight	~ 0,23 kg			

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



Subject to technical alternations