

Mechanical vacuum switch S4430

Change-over contact and rotatable pressure connection



Description

The S4430 series vacuum switches from tecsis are designed specifically for applications with negative overpressure. The setpoint can be adjusted in the range from -0.8 to -0.15 bar very easily by means of an adjusting screw, and then locked to prevent unwanted readjustment. The angular plug can be very easily aligned by means of the rotatable pressure connection.

The standard thread and angular plug, which guarantees an IP65 degree of protection, allow the switch to be put into service very quickly. Gold-plated contacts are also optionally available for low switching currents.

Features

- Change-over contact
- Electrical connection via angular socket
- Protection type IP65
- Turnable process connection

Applications

- Vacuum pumps
- Vacuum lifting systems
- Vacuum conveyors

Adjustment ranges (bar)	Overload limit (bar)	Repeat-ability ¹⁾ (bar)	Hysteresis (%)	Measuring principle	Switching function
					SPDT
-0,8..-0,15	1	±0,1	15..25	Diaphragm	S4430B114001

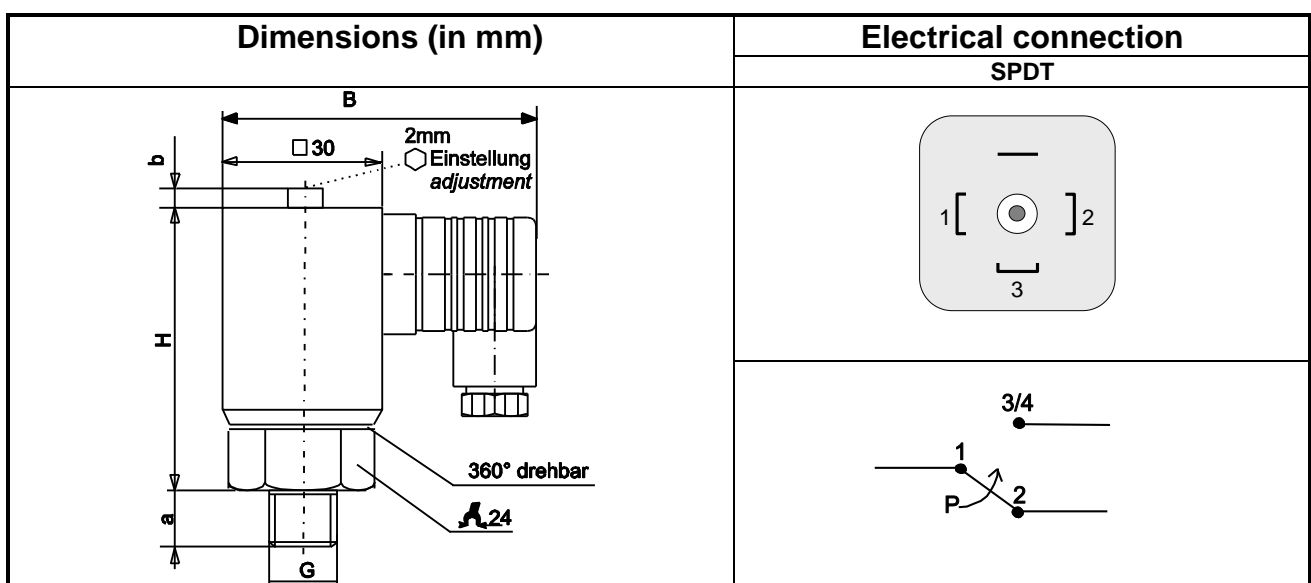
¹⁾ The repeatability refers to 20°C.

Model: S4430

Technical data

Mechanical pressure switch	
Model	S4430
Execution	negative gauge pressure
Media	compressed air, neutral fluid, self-lubricating fluid
Process connection standard optional	G1/4 others on request
Measuring principle	spring loaded diaphragm
Materials Measuring element standard optional Thread Housing	NBR FPM; EPDM; others on request brass anodized aluminium, contact insert plastic
Switching outputs Number Switching function Switching element standard option Adjustment standard option	1 SPDT microswitch silver plated contacts gold plated contacts in site, with adjustment screw factory adjusted
Hysteresis	15..25%
Power rating¹⁾ DC up to 42 V up to 110 V AC up to 42 V / 250 V	2 A 0,5 A 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	~ 0,12 kg

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



Subject to technical alternations