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 20ºC.

Model: S4430

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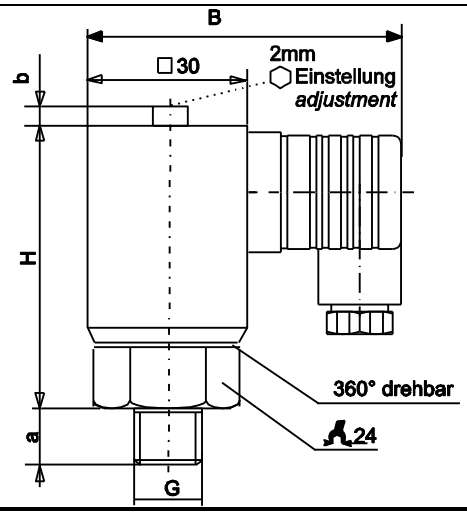
Technical data

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

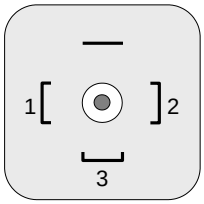
[1)] All specification for ohmic load. For voltages > 42V regulation for protective means have to be regarded!

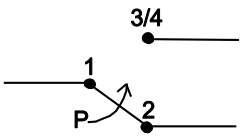
Dimensions (in mm)



Electrical connection

SPDT





Subject to technical alternations