

Mechanical pressure switch S4130

Low priced pressure switch with NC / NO – contact for high power rating



Description

Mechanical pressure switch with a diaphragm or piston sensing element and one switching output (NO or NC contact) for the conversion of pneumatic and hydraulic pressure into an electrical switching signal.

An adjusting screw allows setpoints to be easily adjusted, even in situ. Factory preadjusted setpoints may optionally be chosen.

This tecsis switch is suitable for media such as compressed air, non-aggressive liquids or self-lubricating fluids. It is available with a 1/4" thread (optionally 1/8") galvanized steel process connection as standard, or optionally in stainless steel. Other connections are possible upon request. The switch can be installed in any desired mounting position.

The S4130 can be used to control and monitor pressure media in machine and plant engineering. The integrated microswitch allows switching performance of up to 5 A. Gold plated contacts are also optionally available for low

The proven styling with flat connectors is designed especially for use inside devices. A flexible protective cap can be ordered as an accessory.

Features

- High power rating
- · Low weight
- Low priced

Applications

- Mechanical engineering
- Plant construction
- Hydraulic
- Pneumatic

Adjustment ranges	Overload limit	Burst pressure	Repeat- ability ¹⁾	Hysteresis (%)	Measuring principle	Switching functi	on
(bar)	(bar)	(bar)	(bar)			NC	NO
0.5 2	2	10	± 0.2	15 25	Diaphragm	S4130B071001	S4130B071101
1 10	10	20	± 0.5			S4130B075001	S4130B075101
10 70	70	120	± 3.0		Piston	S4130B127001	S4130B127101
50 200	200	300	± 5.0			S4130B083001	S4130B083101

¹⁾ The repeatability refers to 20°C.

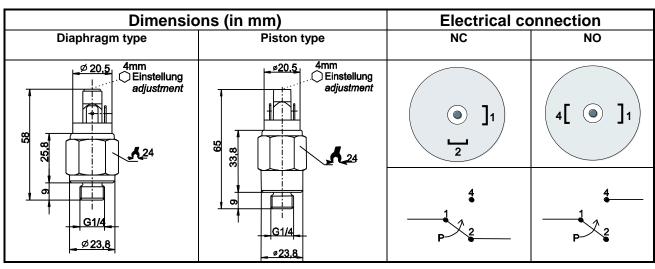
We suggest the suitable protection cap: AZM90X101002.

Model: S4130

Technical data

	Mechanical pressure switch				
Model	S4130				
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	≤ 10 bar: spring loaded diaphragm				
	> 10 bar: spring loaded piston				
Materials	Diaphragm type	Piston type			
Measuring element		• •			
standard	NBR	Zinc plated steel; PUR			
optional	EPDM; FPM; others on request	FPM			
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 NO NO (ODDT				
Switching function	NC or NO (SPDT on request)				
Switching element					
standard option	silver plated contacts gold plated contacts				
Adjustment	gold plated contacts				
standard	in site, with adjustment screw				
option	factory adjusted				
Hysteresis	15 25 %				
Power rating ¹⁾	10 20 70				
DC up to 42 V	2 A				
up to 110 V	0.5 A				
AC up to 42 V / 250 V	5.6 A				
Load cycles	max. 200/min				
Temperature ranges	-25 °C +85 °C				
Electrical connection	flat connectors 2 x 6.3 x 0.8				
Protection type	IP00, with protection type IP54				
Mounting position	any				
Weight	~ 0.07 kg				

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



Subject to technical alternations