

# Mechanical pressure switch S4140

Low priced pressure switch with normaly closed or normaly open contact



### **Description**

Small mechanical pressure switch with a diaphragm sensing element and one switched output as a NO or NC contact for converting pneumatic and hydraulic pressures into an electrical switching signal.

The adjustment range for increasing pressures begins at 0.2 bar. The setpoint can be chosen even lower in the case of decreasing pressure. An adjusting screw allows setpoints to be easily adjusted, even in situ.

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

The S4140 can be used to control and monitor pressure media in machine and plant engineering. Gold-plated contacts are also optionally available for low switching currents.

#### **Features**

- Switching points from 0.2 bar
- Small size (44 mm)
- Low priced

### **Applications**

- Mechanical engineering
- Plant construction

Adjustment ranges	Overload limit	Repeat- ability <sup>1)</sup>	Hysteresis (%)	Measuring principle	Switching function	
(bar)	(bar)	(bar)			NC	NO
0.2 2	2	± 0.2	~10	Diaphragm	S4140B071001	S4140B071101
0.5 10	10	± 0.5			S4140B075001	S4140B075101

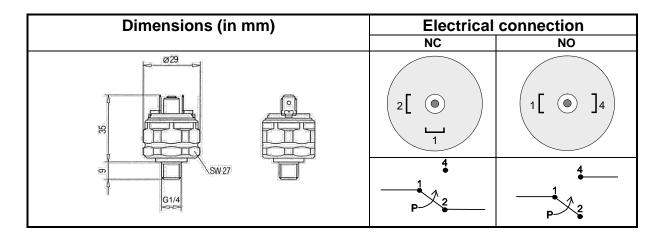
<sup>&</sup>lt;sup>1)</sup> The repeatability refers to 20°C.

Model: S4140

# **Technical data**

Mechanical pressure switch				
S4140				
positive gauge pressure				
compressed air, neutral fluid, self-lubricating fluid				
Janes Grand Control of the Control o				
G1/4				
G1/8; others on request				
spring loaded diaphragm				
NBR				
EPDM; FPM others on request				
zinc plated steel				
brass; stainless steel; others on request				
1				
NC or NO				
silver plated contacts				
gold plated contacts				
on-site, with adjustment screw				
factory adjusted				
~ 10%				
2 A				
2 A				
max. 200/min				
-25 °C +85 °C				
flat connector 2 x 6.3 x 0.8 mm				
IP00				
any				
0.06 kg				

<sup>1)</sup> All specification for ohmic load.



Subject to technical alternations