

# Mechanical pressure switch S4310

Block-type pressure switches with changeover contact



### Description

By virtue of their robust and durable design, block-type pressure switches guarantee a long service life even under high loading. The flange version can be screwed directly to the hydraulic block. This mechanically stable union secures the pressure connection at the same time, without further pipework.

The switches can be used in any application where the requirement is for high switching performance under high pressure. The control and monitoring of process sequences would be an example of this. The measuring ranges and choice of materials in the series S4310 make these pressure switches particularly interesting for all measuring tasks in pneumatic systems.

The robust design of these pressure switches guarantees a long service life even under high loading, and allows a switching performance of 250 V and up to 5 A. All switches are fitted with DIN plugs, which allow the electrical connections to be made quickly and easily. The S4310 can be supplied from stock. The adjusting screw allows the setpoints to be easily adjusted in situ. Gold-plated contacts are also optionally available for low switching currents.

#### **Features**

- Changeover contact
- Long service life
- Block-type design

## Applications

- Mechanical engineering
- Plant construction
- Filter monitoring

Adjustment ranges	Overload limit	Repeat- ability <sup>1)</sup>	Hysteresis (%)	Measuring principle	Switching function
(bar)	(bar)	(bar)			SPDT
0,36	10	±0,20,5	1525	Diaphragm	S4310B074001
116	25	±0,20,5	1525		S4310B076001

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

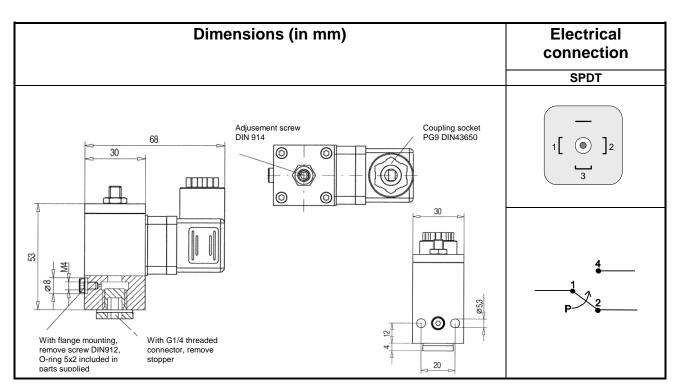
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## **Technical data**

Mechanical pressure switch in block type			
S4310			
positive gauge pressure			
compressed air, neutral fluid, self-lubricating fluid			
•			
G1/4 internal and also flange mounting			
others on request			
spring loaded diaphragm			
spring loaded piston			
NBR			
EPDM; Viton; others on request			
Aluminium			
Black anodized aluminium			
1			
SPDT			
microswitch			
silver plated contacts			
gold plated contacts			
in site, with adjustment screw			
factory adjusted			
1520%			
5 A			
0,5 A			
5 A			
max. 200/min			
-25°C+85°C			
L-plug acc. to DIN EN 175301-803			
IP65			
any			
~0,2 kg			

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



Subject to technical alternations