

## Mechanical Differential Pressure Switch S4540

**Adjustment ranges**  
from 0.06 ... 0.6 bar up to 0.6 ... 6 bar



### Description

The differential pressure switch S4540 can be used in all neutral media, e.g. neutral gases, compressed air, oils etc.

The basis of this differential pressure switch is a membrane element, which is suitable for gauge pressure, vacuum pressure and differential pressure measurements.

With a maximum system pressure of 16 bar the S4540 provides a high overload safety. The switching points can easily be set continuously with the adjusting knob.

### Features

- Long product life
- High overload safety
- Easy switching point adjustment
- RoHS conform

### Adjustment ranges

- Differential pressure 0 ... 6 bar
- Max. system pressure: 16 bar

### Applications

- Filter and flow control
- Heating, air-conditioning, ventilation technology
- Building automation
- Plant and machine construction

### Adjustment ranges

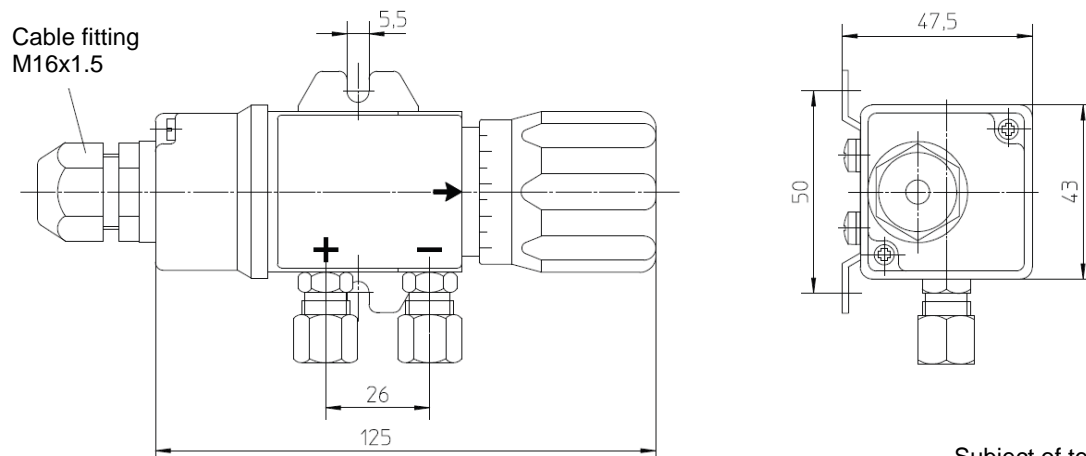
Adjustment ranges (bar)	Max. System Pressure (bar)	Overload Pressure (bar)	Burst Pressure (bar)
0.06 ... 0.6	0 ... 16	16	25
0.10 ... 1.0			
0.16 ... 1.6			
0.25 ... 2.5			
0.40 ... 4.0			
0.60 ... 6.0			

**Model: S4540**

## Technical Data

<b>Model</b>	<b>S4540</b>
<b>Version</b>	Diaphragm
<b>Media</b>	Compressed air, neutral fluids, self-lubricating fluids
<b>Execution</b>	Differential pressure
<b>Connections</b> Electrical connection  Pressure connection Standard Optional	Cable, 1 meter  G1/8 female Compression fittings for 6 mm or 8 mm tube (brass) Compression fittings for 6 mm tube (steel)
<b>Materials</b> Measuring element Standard Optional Pressure connection Standard Optional	NBR Viton®  Brass Steel
<b>Switching outputs</b> Number Switching element Switching function Switching point Adjustment Hysteresis	1 Micro switch NO or NC 10 – 100 % of F.S., continuously adjustable with adjusting knob approx. 2 %
<b>Repeatability</b>	5 % of F.S.
<b>Power rating</b> DC up to 30 V AC up to 250 V	max. 0.4 A max. 3.0 A
<b>Temperature ranges</b> Storage Medium Environment	-20... + 80°C -15... + 80°C -15... + 80°C
<b>Protection type</b>	IP54
<b>Mounting</b>	Mounting foot for wall mounting
<b>Weight</b>	ca. 0.8 kg

## Dimensions (in mm)



Subject of technical changes