

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

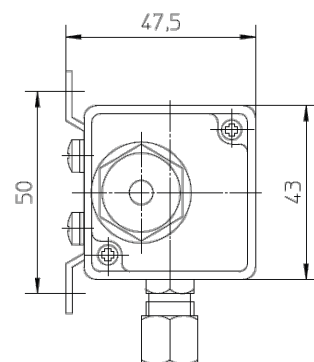
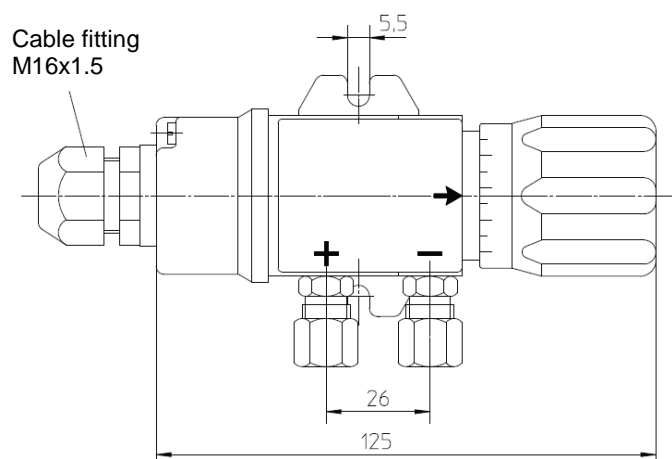
Adjustment ranges (bar)	Max. System Pressure (bar)	Overload Pressure (bar)	Burst Pressure (bar)
0.06 ... 0.6	0 ... 16	16	25
0.10 ... 1.0			
0.16 ... 1.6			
0.25 ... 2.5			
0.40 ... 4.0			
0.60 ... 6.0			

Model: S4540

Technical Data

Model	S4540
Version	Diaphragm
Media	Compressed air, neutral fluids, self-lubricating fluids
Execution	Differential pressure
Connections 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)
Materials Measuring element Standard Optional Pressure connection Standard Optional	NBR Viton® Brass Steel
Switching outputs 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 %
Repeatability	5 % of F.S.
Power rating DC up to 30 V AC up to 250 V	max. 0.4 A max. 3.0 A
Temperature ranges Storage Medium Environment	-20 ... +80 °C -15 ... +80 °C -15 ... +80 °C
Protection type	IP54
Mounting	Mounting foot for wall mounting
Weight	ca. 0.8 kg

Dimensions (in mm)



Subject of technical changes