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

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

Adjustment ranges

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

Applications

- O Filter and flow control
- O Heating, air-conditioning, ventilation technology
- O Building automation
- O 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			

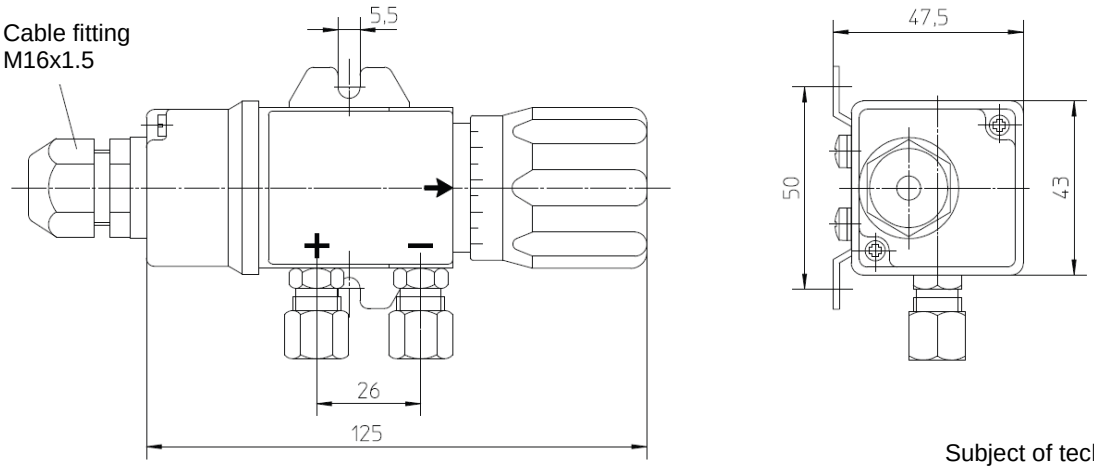
Model: S4540

tecsis GmbH
Carl-Legien Str. 40-44
D-63073 Offenbach / Main
Tel.: +49(0) 69 / 5806-0
Sales national
Fax: +49(0) 69 / 5806-170
Sales international
Fax: +49(0) 69 / 5806-177
e-Mail: info@tecsis.de
Internet: www.tecsis.de

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