

Differential pressure switch Model A2G-40

WIKA data sheet SP 69.02



Applications

- For dry, clean, non-aggressive gases, usually air
- Monitoring of ventilators, blowers and filters in air-conditioning and clean room applications
- Overpressure monitoring in clean rooms and laboratories

Special features

- Easy to install and assemble
- Very reliable
- Robust case and practical design
- Standard accessories included

Description

Design

In accordance with the European low-voltage directive 73/23/EEC

Accuracy

Low: 20 Pa $\pm$ 5 Pa ... 500 Pa $\pm$ 50 Pa
High: 200 Pa $\pm$ 20 Pa ... 4,500 Pa $\pm$ 200 Pa

Measuring ranges

20 ... 200 Pa
30 ... 300 Pa
30 ... 500 Pa
40 ... 600 Pa
100 ... 1,500 Pa
500 ... 4,500 Pa

Switching differential

20 Pa for measuring range 20 ... 200 Pa
20 Pa for measuring range 30 ... 300 Pa
20 Pa for measuring range 30 ... 500 Pa
30 Pa for measuring range 40 ... 600 Pa
80 Pa for measuring range 100 ... 1,500 Pa
250 Pa for measuring range 500 ... 4,500 Pa



Differential pressure switch model A2G-40

Maximum pressure

50 kPa

Permissible temperature

Ambient: -40 ... +85 °C
Operation: -20 ... +60 °C

Ingress protection

IP 54 per EN 60529 / IEC 60529

Weight

150 g

Standard version

Process connection

Connecting nozzle (ABS), for hoses with inner diameter 4 or 6 mm

Diaphragm

Silicone

Case

Plastic (ABS)

Window

Polycarbonate

Sealings

Plastic

Standard accessories

2 mounting screws

Electrical connection

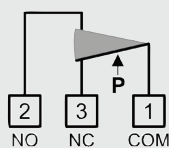
Screw terminals

Cable gland M16

Micro switch

Silver contacts

Contact arrangement



1-3 opens / 1-2 closes on reaching the differential pressure

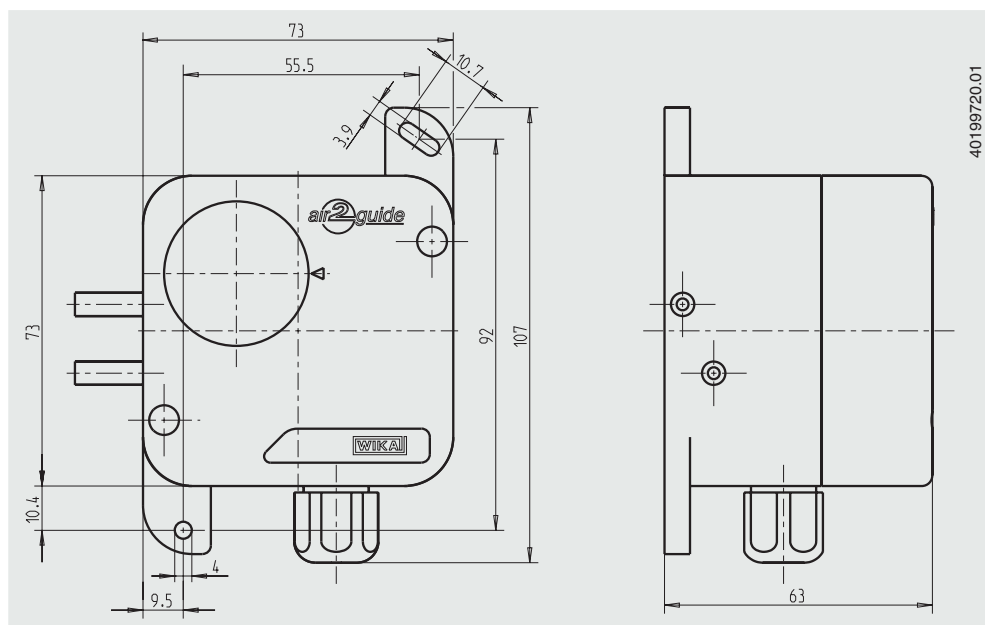
Contact rating

Measuring ranges	Contact rating		Contact material
	With resistive load	With inductive load	
20 ... 200 Pa	0.1 A / AC 250 V	-	Gold
30 ... 300 Pa	3 A / AC 250 V	2 A / AC 250 V	Silver
30 ... 500 Pa	3 A / AC 250 V	2 A / AC 250 V	Silver
40 ... 600 Pa	3 A / AC 250 V	2 A / AC 250 V	Silver
100 ... 1,500 Pa	3 A / AC 250 V	2 A / AC 250 V	Silver
500 ... 4,500 Pa	5 A / AC 250 V	2 A / AC 250 V	Silver

Options

- 2 duct connectors
- 2 m PVC hose, inner diameter 4 mm

Dimensions in mm



Ordering information

Model / Options

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The specifications given in this document represent the state of engineering at the time of publishing.

We reserve the right to make modifications to the specifications and materials.



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