Differential pressure switch
Model A2G-40

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

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Description

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

Accuracy
Low: 20 Pa ±5 Pa ... 500 Pa ±50 Pa
High: 200 Pa ±20 Pa ... 4,500 Pa ±200 Pa

Switching differential
10 Pa ... 180 Pa

Measuring ranges
20 … 200 Pa
30 … 300 Pa
30 … 500 Pa
40 … 600 Pa
100 … 1,500 Pa
500 … 4,500 Pa

Maximum pressure
50 kPa

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

Ingress protection
IP 54 per EN 60529 / IEC 529

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

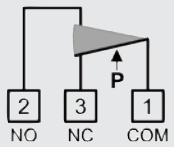
Sealings
Plastic

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

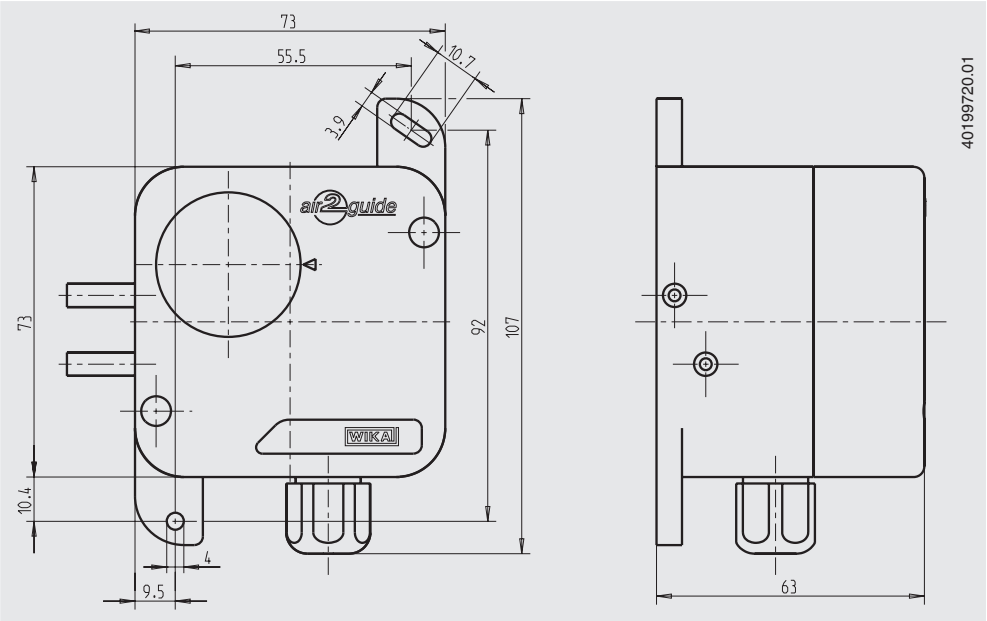
Contact rating

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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