Differential pressure switch
For ventilation and air-conditioning
Model A2G-40

for further approvals
see page 2

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



Differential pressure switch, model A2G-40

Description

The model A2G-40 differential pressure switch, in the Δp function, monitors filters and ventilators in ventilation ducts and air shutters.

Five pressure range increments are available. The differential pressure switch is characterised by its simple mounting and high reliability.

Part of your business

Specifications

Differential pressure switch, model A2G-40				
Accuracy of the switch point	Pressure range	Lowest limit	Highest limit	Switching differential
	20 ... 200 Pa	±5 Pa	±20 Pa	20 Pa
	30 ... 300 Pa	±5 Pa	±30 Pa	20 Pa
	30 ... 500 Pa	±5 Pa	±30 Pa	20 Pa
	40 ... 600 Pa	±5 Pa	±30 Pa	30 Pa
	100 ... 1,500 Pa	±20 Pa	±50 Pa	80 Pa
	500 ... 4,500 Pa	±100 Pa	±200 Pa	250 Pa
Process connection	Connecting nozzle, lateral connection location, for hoses with inner diameter 4 … 6 mm [0.16 … 0.24 in] (see “Accessories”)			
Electrical connection	Cable gland M16 Screw terminals max. 1.5 mm² [0.002 in²]			
Switching power				
Alternating current	AC 250 V, 2 A			
Direct current	DC 30 V, 3 A			
Type of mounting	Wall mounting			
Materials				
Case	Plastic (ABS)			
Window	Polycarbonate (PC)			
Diaphragm	Silicone			
Sealings	Plastic			
Permissible temperatures				
Medium	-20 ... +60 °C [-4 … +140 °F]			
Ambient	-20 ... +85 °C [-4 … +185 °F]			
Ingress protection per IEC/EN 60529	IP54			
Weight	150 g [0.33 lbs]			

Approvals

Logo	Description	Country
CE	**EU declaration of conformity** ■ Low voltage directive ■ RoHS conformity ■ WEEE directive	European Union
EAC	**EAC (option)** Import certificate	Eurasian Economic Community
	KazInMetr (option) Metrology, measurement technology	Kazakhstan
-	**MTSCHS (option)** Permission for commissioning	Kazakhstan

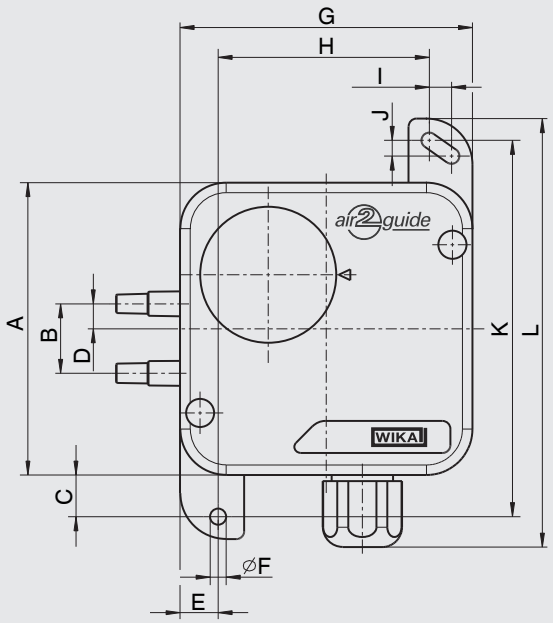
Certificates (option)

■ 2.2 test report

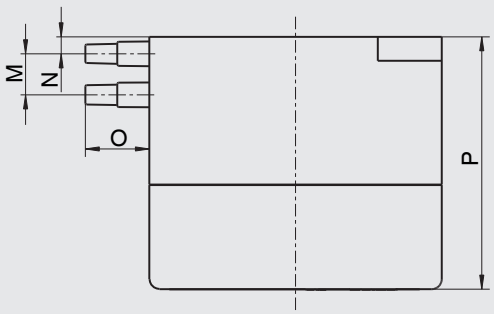
Approvals and certificates, see website

Dimensions in mm [in]

Front view



Top view



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Dimensions in mm [in]															
A	B	C	D	E	Ø F	G	H	I	J	K	L	M	N	O	P
73 [2.87]	17.5 [0.69]	10.4 [0.41]	6.25 [0.25]	9.5 [0.37]	4 [0.16]	73 [2.87]	52.72 [2.08]	5.57 [0.22]	3.9 [0.15]	94 [3.70]	107 [4.21]	10.25 [0.40]	4.25 [0.17]	16 [0.63]	63 [2.48]

Accessories

Description		Order number
	**Measuring hoses**	
	PVC hose, inner diameter 4 mm, roll at 25 m	40217841
	PVC hose, inner diameter 6 mm, roll at 25 m	40217850
	Silicone hose, inner diameter 4 mm, roll at 25 m	40208940
	Silicone hose, inner diameter 6 mm, roll at 25 m	40208958
	**Duct connector for hoses Ø 4 … 6 mm [0,16 … 0,24 in]**	40217507

Ordering information

Model / Pressure range / Accessories / Approvals / Certificates / Options

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