

Differential pressure, vacuum and overpressure switches

Type 604

Technical
data

The type 604 pressure switch is used as a DP flow switch in ventilation ducts for the control of filters and fans, and in primary and secondary control systems for the control of air dampers.

The 604 pressure monitoring switches are also ideally suited to protect heating coils from overheating and for monitoring industrial air cooling circuits. Medium: air and non-corrosive gases.

The distinct advantages

- **Extremely easy to install**
- **Only one fixing screw for cover**
- **Cable inlead case geometry**
- **Cable strain relief integrated in Pg 11**
- **Combi-bracket for vertical or horizontal installation**
- **High adjustment accuracy through individual scale engraving per switch**
- **Long-term stability of switching points through trapezoidal bead diaphragm**
- **Multi-layer contact gold-plated**

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0.2 - 50 mbar

Pressure range gradation and executions see order code selection table

Description



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Temperature ranges /	Overpressure 50 mbar at medium and
overpressure	ambient temperature -30 to + 85° C
	Overpressure 75 mbar at medium and

	ambient temperature -30 to +75° C	
	Storage temperature -40 to + 85° C	
Switching difference	is factory-set	
Lowest turn-on pressure	0.2 mbar	
Repeatability	In the ranges	0.2 to 3 mbar < +/- 0.025 mbar
	In the ranges	0.5 to 20 mbar < +/- 0.05 mbar
	In the ranges	10 to 50 mbar < +/- 0.15 mbar
Case construction	Main case: fiberglass-reinforced plastic	
	Cover: plastic	
Diaphragm	Silicone (LSR) / tempered 200°, free of gas emissions	
Contact material	Multi-layer contact (suitable for DDC)	
	5 (0.8*) A 250 VAC	
	2 A 30 VDC	
	* For inductive loads with 6-fold starting current cos 0.6	
Electrical connections	Screw terminals or AMP-connectors 6.3 or 4.8 mm	
	according to DIN 46244.	
	Cable gland Pg 11 with cable strain relief.	
Contact system	Standard:	Changeover switch
	Option:	N/O contact
Protection class	IP 00 without cover	
	IP 54 with cover	
Service life	Mechanical, > 10 ⁶ switching cycles	