

Differential pressure, vacuum and overpressure switches

Type 605

Technical

The differential pressure switches of type series 605 are specially designed for control and monitoring applications in gasfired boilers. data

The distinct advantages

- **Fitting of the switch**
 - Fast mounting with snapping bracket system
- **Adjusting security**
 - Switchingpoint- and switching difference adjusting screw are secured after factory calibration through covering
 - No false manipulation through mounting or service personal
- **High contact strength (10 cN typical)**
 - Essentially less susceptibility to polution of contact
- **Roll operation of contact surface**
 - Less sensitive to contact polution through self cleaning effect

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20 - 400 Pascal

Pressure range gradation and executions see order code selection table

Description



Technical data

Maximum overpressure	< 85 °C : P permissible = 5000 pascal
	< 110 °C : P permissible = 1500 pascal
Lowest turn-on pressure	20 pascal
	Smallest switching difference 8 pascal at a
	turn-on pressure of 20 pascal

Reproducibility	Switching point	< +/- 1 pascal
Temperature range	Medium and ambient temperature:	- 30 ... + 110 °C
	Protection class II	
	Storage temperature	- 30 ... + 110 °C
Installation arrangement	With turn-on points below 30 pascal, diaphragm vertical	
	or horizontal with electrical connections facing downward.	
	Always indicate installation arrangement.	
Diaphragm	Silicone (LSR)	
Electrical connections	AMP connectors 6.3 mm or 4.8 mm according to DIN 46244	
	(in connector arrangement DIN 43650)	
Contact system	Changeover contact	
	Short circuit resistant with fuse protection $\leq 3.15\text{A}$	
	according to DIN 41662, slow-acting	
Contact material	See graphic.	
	RC contact cleaner for very small contact loads 22 Ohm, 1µF	
Tests	CE-0085 AP0974	
Protection class	IP 00 without cover	
	IP 30 with contact safety guard	
	IP 54 with cover, with PG9/11	
	IP 65 with cover, with PG9/11 and seal	
	IP 65 with DIN connector 43650	
Service life	> 10 ⁶ switching cycles	