

Pressure Switches, component tested



Pressure monitor for fuel gases (DGM)

For overpressure monitoring of fuel gases.

Kind of pressure	overpressure, relative
Pressure connection	internal thread G1/4, external thread G1/2
Electrical connection	Plug DIN EN 175301
Protection class	IP54
Housing material	rugged housing of seawater resistant aluminium die casting GD Al Si 12
Media temp.	-25 ... 60 °C
Media temp. limit	temperatures up to 85 °C are allowable for short periods. Higher temperatures are possible, provided that the limit is safeguarded by suitable measures (e.g. water tube trap, see Accessories for Pressure Switches / Transmitters)
Ambient temperature	-25 ... 60 °C
Ambient temp. limit	at temperatures below 0 °C, ensure that no water condensation can arise in the sensor and in the switching device
Switch function/capacity	SPDT Microswitch 250 Vac; capacity 5 A inductive, 8 A resistive
Optional functions	add the type numbers below to the listed type numbers for extra functionality as described <ul style="list-style-type: none"> • -213: gold-plated contacts, switching capacity: max. 24 Vdc, 100 mA, min. 5 Vdc, 2 mA. And others not available with adjustable switching difference. • -301: terminal connection housing, IP65 • -513: Gold-plated contacts, single-pole switch-over. Switching differential permanent. IP65. Switching capacity: max. 24 Vdc, 100 mA, min. 5 Vdc, 2 mA; suitable isolating switching amplifier, degree of protection Ex-i • -574: Normally closed contact with resistance combination for minimum pressure monitoring. Gold-plated contacts. Housing with surface protection (chemical version), IP65 • -575: Normally closed contact with reclosing lock-out resistance combination for minimum pressure monitoring. Housing with surface protection (chemical version), IP65 • -576: Normally closed contact with resistance combination for maximum pressure monitoring. Gold-plated contacts. Housing with surface protection (chemical version), IP65 • -577: Normally closed contact with reclosing lock-out and resistance combination for maximum pressure monitoring. Housing with surface protection (chemical version), IP65
Certificates	<ul style="list-style-type: none"> • NG-4346 AP 1011 according DIN EN 1854 • CE-0085 AQ 1088 according EU/2009/142/EG (30.11.2009) and DIN EN 1854 (01.07.2006) • SIL2 according IEC 61508

Fixed pressure hysteresis

Pressure adjustment range bar	Switching differential mbar	Max. pressure bar	Sensing element material	Type
0,015 ... 0,06	6	0,8	Copper + Brass	DGM306A
0,02 ... 0,1	7	0,8	Copper + Brass	DGM310A
0,04 ... 0,25	10	0,8	Copper + Brass	DGM325A
0,1 ... 0,6	25	2	Copper + Brass	DGM06A
0,2 ... 1,6	40	3	Copper + Brass	DGM1A
0,015 ... 0,06	8	5	1.4104 + 1.4571	DGM506
0,04 ... 0,16	12	5	1.4104 + 1.4571	DGM516
0,1 ... 0,25	20	5	1.4104 + 1.4571	DGM525

Syphon for high temperature, steel, U-shape (for more accessories, see Accessories for Pressure Switches / Transmitters)

U430B