

Pressure Switches, component tested

Pressure monitor for fuel gases (DGM)



DGM310A



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

- **-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

- 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**