



DW/H

Pressure Switch for Non-aggressive Gases, mechanical

Measuring size: pressure

Output: Relay

Highlights: change-over contact, incl. connecting kit



Description

Our pressure switch detects the over-, under-, or differential pressure using a silicone membrane via the two inputs and switches a changeover contact when the specified switching pressure is reached.

Gases

The device is especially suitable for use in ambient air and other non-flammable, non-aggressive gases.

Regulator

The switching pressure can be set on the regulator with a guide scale.

Service life

High-quality components guarantee more than 1 million switching cycles.

Switching capacity

The changeover contact offers an electrical switching capacity of max. 1.5 A (0.4 A) / 250 VAC.

Easy assembly

Electrical connections for the 6.3 x 0.8 AMP flat plug per DIN 46244 or plug-in screw terminals and an M20x1.5 cable bushing offer maximum freedom and speed of installation.

Best quality

With high-quality components, modern serial production, automated testing/calibration setups, and a 100% final inspection, you will be getting a product with the "Made in Germany" guarantee of quality.



Technical Specifications

Pressure type	positive, negative or differential pressure
Medium	non-aggressive gases
Measurement range pressure	20...200 Pa, 30...400 Pa, 50...500 Pa, 200...1000 Pa, 500...2500 Pa, 1000...5000 Pa (other on request)
Repeatability	±1/2,5/5%, min. ±5 Pa
Durability	more than 1 Mio. switching operations
Electrical breaking capacity	1,5 A at 250V AC (low voltage version < 0,1 A, 24 V DC on request)
Electrical connection	flat connection 6.3 x 0.8 DIN 46244 with clamping screws up to 2.5 mm ²
Burst pressure	> 100 mbar
Housing	control cabinet of PA 6.6, mounting part of POM
Cable gland	M16x1,5 high-strength cable gland with strain relief
Material	Membrane: silicone, optional NBR (silicone-free)
Protection type	IP54
Working temperature	-30...+80°C
Installation	Housing: screw fastening, Pressure connection: 2 plastic duct connecting nipple with fastening screws and 2 m PVC tube Ø 6 mm (in scope of delivery)
Installation position	vertical, horizontal
Approvals	CE, EAC, RoHS, EN 60730 approved for 1.5 A, DVGW approval according to DIN 3398 Part 2. EC Type Examination EN 1854

Variants

Article Number		
Pressure	Repeatability	Differential
DW/H-10		
20...200 Pa	±5%, min. ±5 Pa	10 Pa
DW/H-20		
30...400 Pa	±5%, min. ±5 Pa	15 Pa
DW/H-30		
40...200 Pa	±5%, min. ±5 Pa	20 Pa
DW/H-40		
50...500 Pa	±2,5%, min. ±5 Pa	20 Pa
DW/H-50		
200...1000 Pa	±1%, min. ±5 Pa	100 Pa
DW/H-60		
500...2500 Pa	±1%, min. ±5 Pa	150 Pa
DW/H-70		
1000...5000 Pa	±1%, min. ±5 Pa	250 Pa



Accessories

SAS/D

Hose connection set





Dimensional Drawing

