



FS3610

Differential pressure switch for liquid with adjustable setting

Measuring size: pressure

Output: Relay

Highlights: liquid and gaseous ? also aggressive, max. 10 bar, with protection cap and mounting bracket



Description

The adjustable differential pressure switch FS3610 is suitable for monitoring negative, positive or differential pressure in liquid and gaseous ? also aggressive - media. The robust solution finds its application in general process engineering. The pressure switch is suitable for operating pressures up to 10 bar (bursting pressure 20 bar). The setting of the switching pressure can be sensitively adjusted as needed via an easily accessible adjusting screw. There are two variants available with a differential pressure range 40 to 200 mbar and 150 to 1000 mbar. The temperature of the medium can be between -10 to + 80 °C.

The connections are designed as AMP flat plugs according to DIN 46244, with dimensions of 6.3 x 0.8 mm. The differential pressure switch itself is - measured via the adjusting screw - only 88.6 mm long, with a diameter of 57 mm. With the attached protective cap, it meets the requirements of protection class IP54.

The pressure ports are made of brass and have a G 1/8" female thread. The membrane material is made of NBR or EPDM. The service life is designed for over 1 million operations.

The differential pressure monitor is supplied with an IP54 protective cap (cable gland M12) and a mounting bracket (L-shape).

Class of control- and regulatory function: A



Technical Specifications

Pressure type	positive, negative or differential pressure
Medium	liquid and gaseous ? also aggressive
Measurement range pressure	40...200 mbar, 150...1000 mbar
Repeatability	±10%
Durability	more than 1 Mio. switching operations
Alarm output	change-over contact, contact rating 6 (1,5) A at 250V AC
Switching Hysteresis Relay	30 mbar (at 40...200 mbar); 100 mbar (at 150...1000 mbar);
Process connection	Inner thread G 1/8 of Brass (CuZn40) for P1+ / P2?
Electrical breaking capacity	1,5 A at 250V AC (low voltage version < 0,1 A, 24 V DC on request)
Electrical connection	Tab terminal 6.3 mm x 0.8 mm according to DIN 46244
Pressure resistance	10 bar
Burst pressure	> 20 bar
Cable gland	Connector, Shape A, to EN 175301-803
Material	Membrane: NBR, EPDM (for aggressive media); Media contacting parts: Chrome / Stainless steel / Brass / Diaphragm material
Weight	850 g
Protection type	IP54
Protection class	II
Working temperature	-10...+80°C
Ambient temperature	-10...+80°C
Storage temperature	-40...+80°C
Installation	Mounting bracket L-shaped
Approvals	CE, RoHS

Variants

Article Number			
Differential pressure	Output	Hysteresis	Material
FS3610-S-P2-1501000-EPDM-R			
150...1000 mbar	1 change-over contact	100 mbar	EPDM
FS3610-S-P2-1501000-NBR-R			
150...1000 mbar	1 change-over contact	100 mbar	NBR
FS3610-S-P2-40200-EPDM-R			
40...200 mbar	1 change-over contact	30 mbar	EPDM
FS3610-S-P2-40200-NBR-R			
40...200 mbar	1 change-over contact	30 mbar	NBR



Dimensional Drawing

