

The factory-set pressure switch 911.10/11



Application

Factory-set pressure switch monitoring overpressure, vacuum or differential pressure of liquid and gaseous – also aggressive – media. Pressure setting and switching differential are factory-set by the manufacturer.

Temperature range

Ambient temperature from -20°C bis 85°C

Diaphragm material

NBR, FKM / FPM, EPDM, Silicone (VMQ)

Electrical rating

Standard version	max.	6 (1.5) A / 250 VAC
	max.	10 (2) A / 250 VAC
	max.	2 A / 24 VDC
Low-voltage version	max.	100 mA / 24 VAC
	max.	30 mA / 24 VDC

Electrical connection

Tab terminal 6.3 mm x 0.8 mm in accordance with DIN 46244

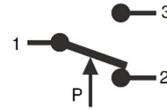
Pressure connection

Tube connection of Polyamid: 5.0 - 6.5 mm, M10x1
 Threaded connection of brass or stainless steel:
 G 1/2, G 1/4, G 1/8, G 3/8, M10x1

Damping

Restrictors alternatively with 0.2/0.3/0.5/0.8 mm diameter

Arrangement of contacts



Protection

IP00 without protection cap
 IP44 / IP54 depending on the used protection cap

Protection class

Protection class II is only met by using a protection cap from our accessories program.

The pressure switch without protection cap is provided for installation in equipment. The construction of the equipment and the type of installation determine the protection class.

Warning

Read instructions before use. This regulating and control unit must be installed in compliance with the applicable regulations.

Conformity

EU Low Voltage Directive
 EU RoHS Directive

Overpressure range

Type	Factory-set trip pressure		Switching differential (Hysteresis)		Tolerance band of trip pressure	Maximum positive working pressure	Maximum negative working pressure
	between	and	lower end of range	upper end of range			
911.1x	5 mbar	20 mbar	3 mbar	5 mbar	$\pm 10\%$, min. 0.75 mbar	0,5 bar	-1
	20 mbar	50 mbar	5 mbar	10 mbar	$\pm 10\%$, min. 0.75 mbar	0,5 bar	-1

The factory-set pressure switch 911.1x

with factory-set pressure setting

Order matrix			911.1	X	X	1	X	X	X
Pressure connection	Plastic		0						
Material	Metal		1						
Pressure range	5 mbar ... 20 mbar			1					
	20 mbar ... 50 mbar			2					
Tolerance band	±10%				1				
Diaphragm	NBR						1		
	EPDM						2		
	Silicone (VMQ)						3		
	FKM / FPM						4		
Pressure connection	6.0 mm PA6								A
	6.5 mm PA6								B
	10 mm PA6								C
	G 1/8 PA6								D
	M10x1 PA6								E
	6.5 mm PPS								F
	10 mm PPS								G
	M10x1 PVDF								H
	G 1/8 PVDF								I
	G 1/4 PVDF								J
	G 1/4 CuZn40	(brass)							K
	G 1/8 CuZn40	(brass)							L
	M10x1 CuZn40	(brass)							M
	G 3/8 CuZn40	(brass)							N
	M10x1 AISI 316	(1.4401 or 1.4404)							O
	G 1/8 AISI 316	(1.4401 or 1.4404)							P
	G 1/4 AISI 316	(1.4401 or 1.4404)							Q
	G 1/2 CuZn40	(brass)							R
	M10x1 PP								S
	6.5 mm PP								T
G 1/4 CuZn40	(brass, nickel-plated)							U	
5.0 mm PA6								V	
Customized	Various plastics or metals							W	
Switch contacts	Low-voltage	Gold-plated							1
	6A / 250 VAC	AgCdO							2
	6A / 250 VAC	AgNi							4
	10A / 250 VAC	AgNi							5

Dimensional Drawings

