Partnership. With Guarantee.

Pressure and vacuum switch, ATEX Series 901



Design type	Diaphragm pressure switch with changeover contact
Connection	G1/4" Male thread
Materials	Body Brass, Diaphragm NBR, Protective cap Plastic
Application range	Compressed air, Water, neutral gases, neutral oils (other media on request)
Switching point adjustment	Switching point adjustment via the handwheel with scale
Accuracy of the reference scale	+/- 10%
Medium temperature	0...+85°C
Ambient temperature	-20...+85°C
DC switching capacity with resistive load	max. 100mA/24VDC or rather60mA/30VDC For operation in the explosion-protected area, an isolating barrier or a switching amplifier is required.
Degree of protection	IP65 according to EN 60529 with correctly installed cable entry (protection against dust ingress and splashing water)
Switching cycles	1 million switching cycles
Mounting	via threaded connection or mounting bracket
Scope of delivery	incl. protective cap
Approval	ATEX II 1/2G Ex ia IIB T4 Ga/Gb, ATEX II 2G Ex ia IIC T4 Gb, ATEX II 2D EX ia IIIB T135°C Db
Accessories	Mounting bracket
Special version	other diaphragm materials, Damping nozzles for reducing pressure surges, higher overpressure safety

Pressure switch

Adjustment range [mbar]	Overpressure safety [bar]	approx. Reset differential [mbar] non-adjustable	Weight [kg]	Type
10...50	0,5	5	0,16	901.62-111L6-EX
50...250	1	20	0,16	901.64-111L6-EX
250...1000	10	150	0,16	901.66-111L6-EX
1000...3000	10	500	0,16	901.68-111L6-EX

Adjustment range [bar]	Overpressure safety [bar]	approx. Reset differential [bar] non-adjustable	Weight [kg]	Type
1...6	25	0,5...2	0,24	901.91-111L6-EX
4...9	25	0,5...2	0,24	901.92-111L6-EX

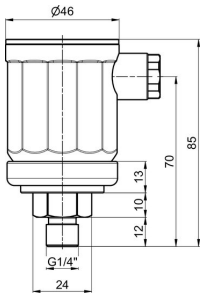
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Vacuum switch

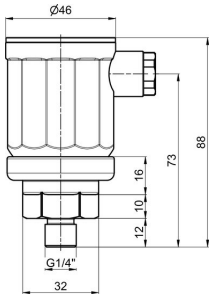
Adjustment range [mbar]	Overpressure safety [bar]	approx. Reset differential [mbar] non-adjustable	Weight [kg]	Type
-10...-50	0,5	5	0,16	901.72-111L6-EX
-50...-125	0,5	20	0,16	901.74-111L6-EX
-100...-300	1	30	0,16	901.76-111L6-EX
-300...-700	1	75	0,16	901.78-111L6-EX

Dimensions

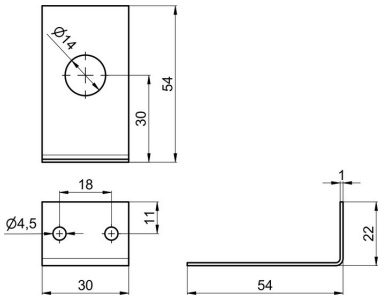
Type 901.6 / 901.7



Type 901.9



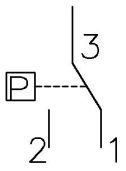
Accessories



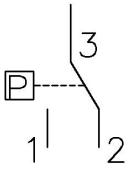
Mounting bracket Typ 6403

Electrical connection

Pressure switch



Vacuum switch



Illustrations non-binding
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