

The factory-set pressure switch 903 for lower switching values



Application

Factory-set pressure switch monitoring overpressure of liquid and gaseous media. Pressure setting and switching differential are factory set by the manufacturer.

Temperature range

Ambient temperature . 20° C to 85° C

Diaphragm material

NBR

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

Combined hose and threaded connection: 6.5 mm and G1/4, PPS

PPS = Polyphenylensulfid

Arrangement of contacts



Damping

Restrictors alternatively with 0.3/0.5/0.8 mm diameter

Protection

IP00 without protection cap
IP 54 / IP 65 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

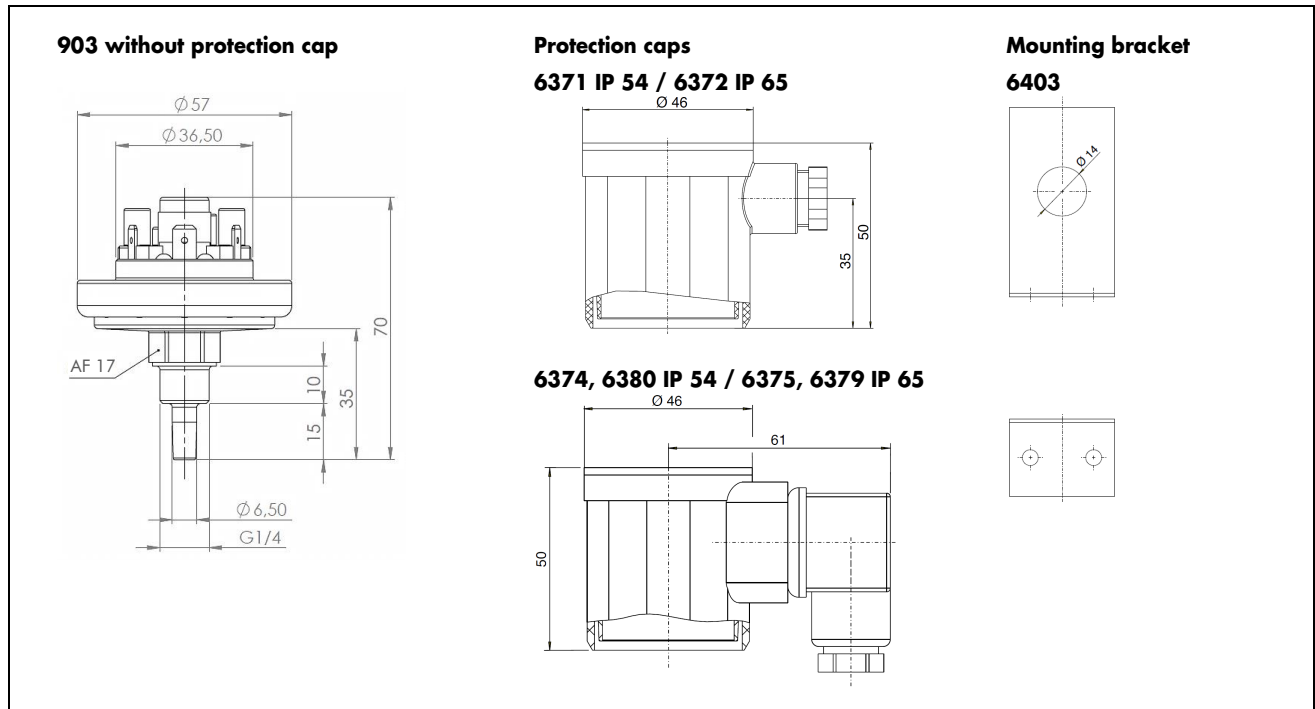
Typ	Factory-set trip pressure		Standard switching differential		Tolerance band of trip pressure	Maximum positive working pressure	Maximum negative working pressure
	between	and	lower end of range	upper end of range			
903.10	2 mbar	5 mbar	1 mbar	3 mbar	± 10 %	300 mbar	-80 mbar

Vacuum

Typ	Factory-set trip pressure		Standard switching differential		Tolerance band of trip pressure	Maximum positive working pressure	Maximum negative working pressure
	between	and	lower end of range	upper end of range			
903.20	-2 mbar	-5 mbar	1 mbar	3 mbar	± 10 %	300 mbar	-80 mbar

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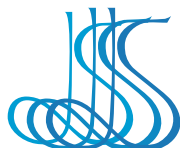
Order matrix		903.	X	0	1	1	1	Z	X
Pressure range	Overpressure	2 ÷ 5 mbar	1						
	Vacuum	-2 ÷ -5 mbar	2						
Pressure connection			0						
Material	Plastic								
Tolerance band	$\pm 10\%$			1					
Pmax.	Standard				1				
Diaphragm	NBR					1			
Pressure connection	6.5 mm and G1/4 - PPS						Z		
Switch contacts	Low-voltage	Gold-plated							1
	6A / 250 VAC	AgNi							4
	10A / 250 VAC	AgNi							5

Accessories	Article-No.
Protection cap IP54 with cable conduit M12	6371
Protection cap IP65 with cable conduit M12	6372
Protection cap IP54 with connector, Shape A, to EN 175301-803, without cable	6374
Protection cap IP65 with connector, Shape A, to EN 175301-803, without cable	6375
Protection cap IP54 with connector, Shape A, to EN 175301-803, with cable	6380
Protection cap IP65 with connector, Shape A, to EN 175301-803, with cable	6379
Mounting bracket L-shaped for G1/4 connection	6403

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