

FOR FINE PRESSURE AND FLOW MEASUREMENT

Relative and differential pressure switch type 630

Pressure range 6 ... 5500 mbar



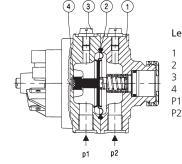
Differential pressure, vacuum and overpressure switches of type series 630 are suitable for monitoring neutral and slightly aggressive liquids and gases. Switching element isolated from medium.

Ideal for use as flow monitor in sanitary piping/ heating installations or for level monitoring in general in process technology applications. Extremely rugged construction with high functionality due to10/20 bar safety margin in both pressure chambres.

- High overpressure safety margin at both connections (P1 + P2) up to 10/20 bar
- Funcionally simple, rugged mechanics with high operating reliability
- Also for slightly aggressive liquids and gases
- Specially economical version with switching points adjusted in the factory
- Repeatability up to < ± 0.4 mbar

ressure range						
lative und differential		6 5500 mbar				
perating conditions						
ledium		Liquids and neutral gases				
	NBR-based	0 +80 °C				
	FPM	-10 +80 °C				
emperature	EPDM Q (Silicone)	-10 +80 °C				
	Ambient	-40 +80 ℃ +65 ℃				
	Storage	-40 +80 ℃				
	≤ 200 mbar	10 bar				
plerable overload and max. tolerable system pressure (P1 > P2)	> 200 mbar	20 bar				
upture pressure		30 bar				
owest turn-on pressure		\geq 6 mbar				
nallest switching difference		≥ 3 mbar				
aterials in contact with the medium						
		NBR based				
		EPDM				
liaphragm		FPM				
		Silicone				
250		Anodized aluminium Brass				
ase		Brass chemically nickel plated				
		X14CrMoS17 1.4104				
		X5CrNi18-10 1.4301				
ther components		X10CrNi18-8 1.4310				
		Steel category A2 for screws				
		Polyacetate-C, Polyamide				
Contact material / Loading						
lominal voltage, type of current		250 VAC				
lominal current for resistive loading		1 A				
lominal current for motor loading		0.5 A				
ontact system		Changeover contact				
ervice life	Mechanically	10 ⁶ switching cycles ¹⁾				
rataction standard						
rotection standard Vithout cover		IP 00				
Vith cover (PG11) ²⁾		IP 54				
Vith cover (PG9) ³⁾		IP 65				
epeatability						
5% of the switching point	with diaphragm NBR-based / silicone	minimum ±0.4 mbar				
10% of the switching point	with diaphragm FPM / EPDM	minimum ±0.8 mbar				
lectrical connections						
crew terminals (Option)						
ab connectors (AMP) 6.3 mm						
able gland PG9 / PG11		with cover				
ressure connections		G 1/8				
traight screwed connection	Zinc plated steel with NBR seal for pipe (Ø 6 mm)	G 1/8				
crewed Socket	CuZn nickel plated for tube (Ø 6 mm)	G 1/8				
lounting instructions						
or switching points calibrated in the factory		Indicate installation arrangement				
case of liquid media	nte alco chango. The adjustment tanges are in relation with	Connections down				
emark: By changing the mounting position the switching poir	nts also change. The adjustment ranges are in relation with	the mounting position.				
/eight						
Vith aluminium base		~ 380 g				
Vith base brass / nickel-plated brass		~ 1000 g				

Single packaging in cardboard boxes



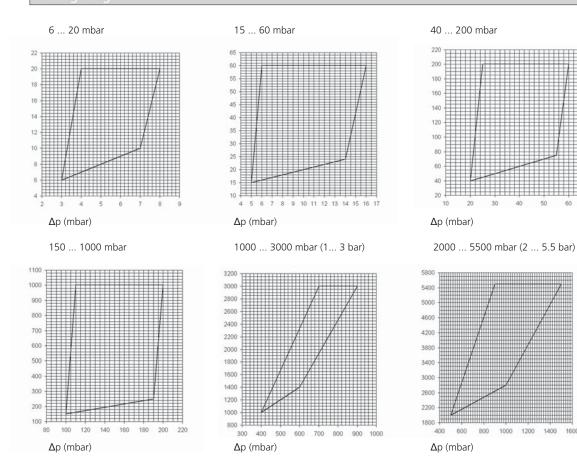
Legend to cross-section drawing

- Pressure case Diaphragm Vent

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- Permanent magnet
- Higher pressure / lower vacuum Lower pressure / higher vacuum
- Ρ2

				1	2	3	4	5	6	7
Order code selection table			630.	Х	Х	Х	Х	Х	Х	Х
Presssure range 1)	6 20 mbar			9	1					
	15 60 mbar			9	2					
	40 200 mbar			9	3					
	150 1000 mbar			9	4					
	1 3 bar			9	5					
	2 5.5 bar			9	6					
Contact material	AgCdO					0				
Pressure case	Anodized aluminium, black						0			
	Brass						1			
	Nickelplated brass						2			
	Anodized aluminium, black	with straight screwed connection G1/8 for pipe ø 6 mm					3			
	Brass	with straight screwed connection G1/8 for pipe ø 6 mm					4			
	Nickel plated brass	with straight screwed connection G1/8 for pipe ø 6 mm					5			
	Anodized aluminium, black	with screwed socket G ¹ / ₈ for tube ø 6 mm					6			
	Brass	with screwed socket G ¹ / ₈ for tube ø 6 mm					7			
	Nickel-plated brass	with screwed socket G ¹ /s for tube ø 6 mm					8			
Diaphragm material	NBR							0		
	FPM							1		
	EPDM							2		
	Q (silicone)							3		
Cover PG9 on side / Bracket	Without cover	without bracket							0	
		with bracket type A							1	
		with bracket type B							2	
	With cover (plastic) (Fig.1) (PG11)	without bracket							3	
		with bracket type A							4	
		with bracket type B							5	
	With spec. cover (Fig.2) (PG9)	without bracket							6	
		with bracket type A							7	
		with bracket type B							8	
Switching points (optional)	Two factory set switching points	(please specify on order e.g.: W10/8mbar)								W
	One factory set switching point high	(please specify on order e.g.: R25mbar)								R
	One factory set switching point low	(please specify on order e.g.: U100mbar)								U



¹⁾ Other pressure range on request

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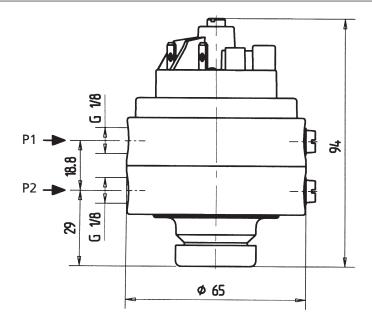
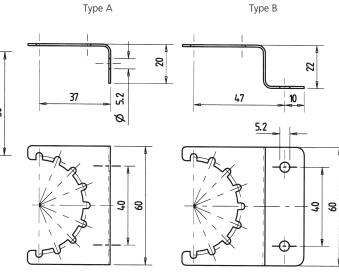




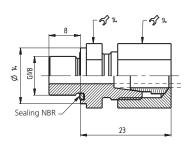
Fig. 2



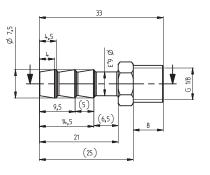
Straight screwed connector $\,$ G $\, ^{\prime \! \prime \! _{8}}$

Fig. 1

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Screwed Socket G 1/8



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Huba Control

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