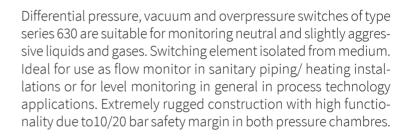




## Relative and differential pressure switch

Type 630





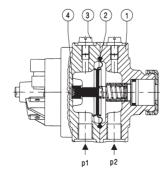
## **Pressure range** 6 ... 5500 mbar

- 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  $< \pm 0.4$  mbar

ressure range		C FF00 mbox
lative und differential		6 5500 mbar
perating conditions		
edium		Liquids and neutral gases
	NBR-based	0 +80 °C
	FPM	-10 +80 °C
emperature	EPDM	-10 +80 °C
	Q (Silicone)	-40 +80 °C +65 °C
	Ambient Storage	-40 +80 °C
	< 200 mhar	10 bar
olerable overload and max. tolerable system pressure (P1 $^{>}$	P2) = 200 mbar	20 bar
upture pressure		30 bar
owest turn-on pressure		≥6 mbar
mallest switching difference		≥3 mbar
ataviala in asutast with the madium		
aterials in contact with the medium		NBR based
		EPDM
iaphragm		FPM
		Silicone
		Anodized aluminium
ase		Brass
		Brass chemically nickel plated
		X14CrMoS17 1.4104
		X5CrNi18-10 1.4301 X10CrNi18-8 1.4310
ther components		Steel category A2 for screws
		Polyacetate-C, Polyamide
		1 digacetate e, 1 digamilae
ontact material / Loading		
ominal voltage, type of current		250 VAC
ominal current for resistive loading		1 A
ominal current for motor loading		0.5 A
ontact system ervice life	Mechanically	Changeover contact  10 <sup>6</sup> switching cycles <sup>1)</sup>
ervice the	меснансану	10 Switching cycles
rotection standard		
/ithout cover		IP 00
/ith cover (PG11) <sup>2)</sup>		IP 54
lith cover (PG9) <sup>3)</sup>		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		
hread		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
ounting instructions		
ounting instructions or switching points calibrated in the factory	Indicate installation arrange	ment
		Connections down
case of liquid media		

With base brass / nickel-plated brass ~ 1000 g

Packaging Single packaging in cardboard boxes

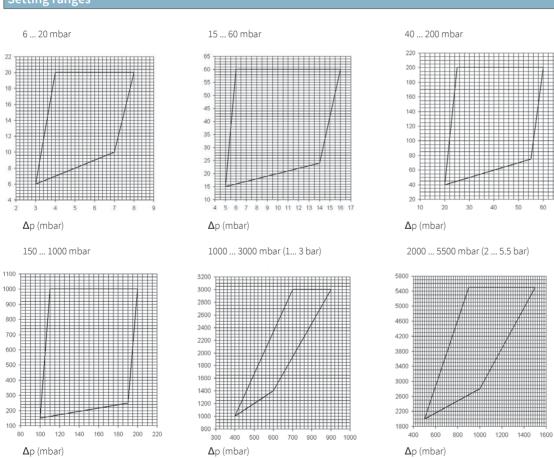


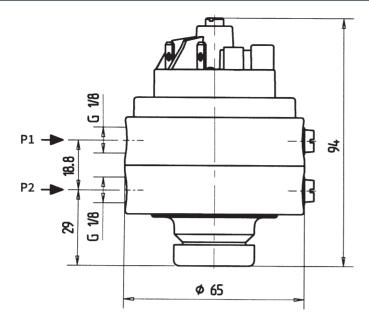
#### Legend to cross-section drawing

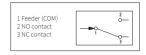
- Pressure case Diaphragm
- Vent
- Permanent magnet
- Higher pressure / lower vacuum Lower pressure / higher vacuum

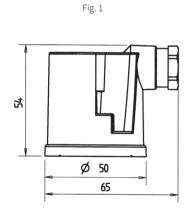
				1	2	3	4	5	6	7
Order code selection	1 table		630.	Х	Х	Χ	Х	Χ	Χ	Χ
Presssure range 1)	6 20 mbar			9	1					
	15 60 mbar			9	2					
	40 200 mbar			9	3					
	150 1000 mbar			9	4					
	1 3 bar			9	5					
	2 5.5 bar			9	6					
Contact material	AgCdO					0				
Pressure case	Anodized aluminium, black						0			
	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 G⅓ for tube ø 6 mm					6			
	Brass	with screwed socket G⅓ for tube ø 6 mm					7			
	Nickel-plated brass	with screwed socket G⅓ 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

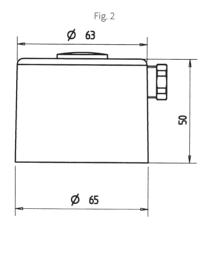
### **Setting ranges**

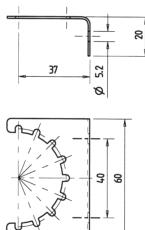




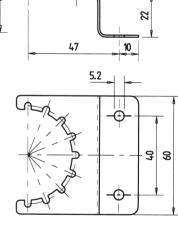






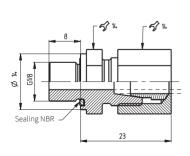


Туре А

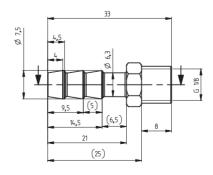


Туре В

Straight screwed connector G  $\frac{1}{8}$ 



Screwed Socket G 1/8



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