

FOR FINE PRESSURE AND FLOW MEASUREMENT

Relative pressure switch type 620/625

Pressure range

-4 ... -900 mbar / 2 ... 6000 mbar

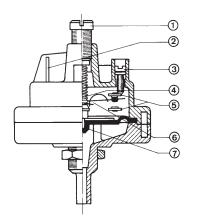


Type 620 and 625 pressure switches, with 13 pressure ranges, are suitable for liquids and gases. Body materials are available in plastic, brass and aluminium, with a choice of NBR, FPM, EPDM and silicone diaphragms.

Very high precision through finely tuned measurement stages and high long term stability. Rugged design and especially suitable for use in general industrial equipment construction, process technology and food automation.

- High accuracy by 13 ideally designed pressure range increments
- Switching differences adjustable
- High long term stability with reproducibility of switching points up to < ± 0.3 mbar
- Customer specific switching points adjustable in factory
- Rugged industrial switch with excellent Price / performance ratio

Pressure range		2 (000 ml		
Relative Negative		2 6000 mbar -4900 mbar		
Negative		-4300 Hibai		
Operating conditions				
Medium		Liquids and nuetral gases		
	NBR based	0 +80 °C		
	FPM	-10 +80 °C		
Temperature	EPDM .	-10 +80 °C		
	Q (Silicone) Ambient	-40 +80 °C +65 °C		
	Storage	-40 +80 °C		
Tolerable overload	Storage	See order code selection table		
Lowest turn-on pressure		2 mbar		
owest swiching difference		1 mbar		
∕laterials				
Case		Fibreglass reinforced plastic		
		NBR based		
	Diaphragm	EPDM		
	ыаршауш	FPM		
Materials in contact with the medium	Page turn C20	Silicone ABS or PA		
	Base type 620	· · · · · · · · · · · · · · · · · · ·		
	Base type 625	Aluminium, nickel plated brass X 5 CrNi 18-10, 1.4301		
	Other components	Polyacetate (only at negative)		
		, acting de megatite,		
Electrical overview				
Nominal voltage		250 VAC		
Nominal current for resistive loading		1 A 6 A		
Nominal current for motor loading Contact system		0.5 A 3 A Changeover contact		
Service life	Mechanically	10 ⁶ switching cycle ¹⁾		
Scrive inc	Wicehameany	10 Switching Cycle		
Protection standard				
Without cover		IP 00		
With cover 2)		IP 54		
Repeatability				
	ragm NBR based / Silicone	minimum ±0.3 mbar		
±10% of the switching point With diaph	ragm FPM / EPDM	minimum ±0.6 mbar		
Electrical connections				
Screw terminals (Option)				
Tab connectors (AMP)		6.3 mm		
Cable gland PG 11		with cover		
Pressure connections	heath, for the first	NAT / NAI 2::4		
Type 620	Inside / outside thread Connection pipe / thread	M5 / M12x1 Ø 6 mm / M12x1		
Туре 625	Thread with counternut	M12x1 (CuZ nickel plated), G 1/8, G 1/4		
1,700 020	micad with Counterful	mizzi (cuz nickel plateu), G 78, G 74		
		Indicate installation arrangement.		
		inulcate installation affandement.		
For switching points calibrated in the factory	to change. The adjustment ranges are in the			
For switching points calibrated in the factory	so change. The adjustment ranges are in re			
For switching points calibrated in the factory Remark: By changing the mounting position the switching points als Weight	so change. The adjustment ranges are in re	elation with the mounting position.		
For switching points calibrated in the factory Remark: By changing the mounting position the switching points als Weight Type 620		elation with the mounting position.		
Installation arrangement For switching points calibrated in the factory Remark: By changing the mounting position the switching points als Weight Type 620 Type 625 With alumin with base by the switching points als	nium base	elation with the mounting position.		



Legend to cross-section drawing

- Switching point setting AMP tab connectors Switching difference setting Compression spring 2
- Changeover contact Contact element Diaphragm 5

Single packaging in cardboard boxes

¹⁾ The permitted switching difference has to be respected

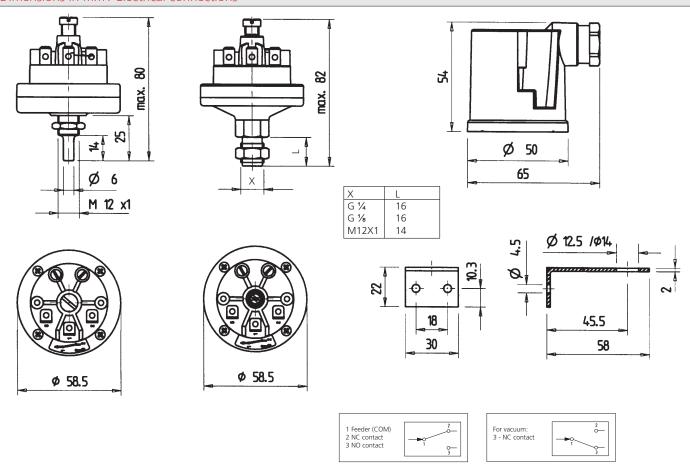
²⁾ For installation arrangement electrical connections upward

Order code selection	table				620.9	Χ	Χ	Χ	Χ
Pressure range 1)		p max.	pt ²⁾	Switching capacity 250 VAC					
	2 8 mbar	30 mbar	50 mbar	1 A		1			
	6 75 mbar	300 mbar	500 mbar	1 A		2			
	12.5 80 mbar	300 mbar	500 mbar	6 A		3			
	12.5 200 mbar	300 mbar	500 mbar	1 A		4			
	25 220 mbar	300 mbar	500 mbar	6 A		5			
Pressure connection /	Hose connection	Ø 6 mm and N	И12x1	ABS +70 °C			0		
pressure case	Hose connection	Ø 6 mm and N	/112x1	PA 66 +80 °C			1		
	Inside thread	M5 and M12x	1	ABS +70 °C			2		
	Inside thread	M5 and M12x	1	PA 66 +80 °C			3		
Diaphragm material	NBR based							0	
	FPM							2	
	EPDM							4	
	Q (Silicone)							6	
Switching points (optional)	Two factory set switchi	ing points		(please specify on order)					W
	One factory set switchi	ing point high		(please specify on order)					R
	One factory set switchi	ing point low		(please specify on order)					U

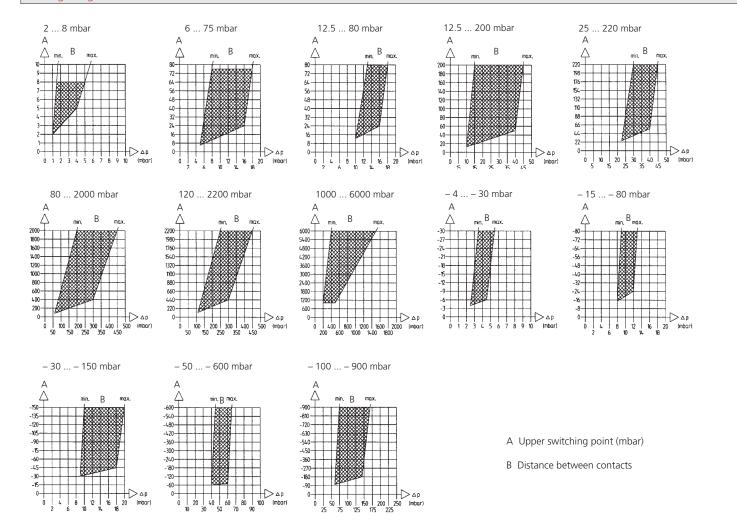
Order code selection	table			625.	X	X	Χ	Χ	Χ
Pressure mode	Relative				9				
	Negative				6				
Pressure range 1)		p max.	pt ²⁾	Switching capacity 250 VAC					
	2 8 mbar	30 mbar	50 mbar	1 A	9	0			
	6 75 mbar	300 mbar	500 mbar	1 A	9	1			
	12.5 80 mbar	300 mbar	500 mbar	6 A	9	2			
	12.5 200 mbar	300 mbar	500 mbar	1 A	9	3			
	25 220 mbar	300 mbar	500 mbar	6 A	9	4			
	80 2000 mbar	6000 mbar	10000 mbar	1 A	9	5			
	120 2200 mbar	6000 mbar	10000 mbar	6 A	9	6			
	1000 6000 mbar	6800 mbar	10000 mbar	6 A	9	7			
	-430 mbar	-50 mbar	-100 mbar	1 A	6	1			
	-1580 mbar	-300 mbar	-500 mbar	1 A	6	2			
	-30150 mbar	-300 mbar	-500 mbar	6 A	6	3			
	-50600 mbar	-1000 mbar	-1000 mbar	6 A	6	4			
	-100900 mbar	-1000 mbar	-1000 mbar	6 A	6	5			
Pressure connection /	G 1/8	Aluminium					1		
pressure case	M12x1	Aluminium					2		
	G 1/4	Brass					3		
	G 1/4	Aluminium					4		
	G 1/4	Nickel plated brass 5µm					Α		
	G 1/8	Brass					В		
Diaphragm material	NBR based							0	
	FPM							2	
	EPDM							4	
	Q (Silicone)							6	
Switching points (optional)	Two factory set swite	thing points	(please specify on o	order)					W
	One factory set switch	hing point high	(please specify on o	order)					R
	One factory set switc	hing point low	(please specify on o	order)					U

Accessories 3)	
	Order number
Cover of PG11 on the side	105836
Mounting bracket with hole Ø 12.5 mm for M12	104259
Mounting bracket with hole Ø 14 mm for G 1/4	102872
Connector set (Tab connectors AMP)	103479
Screw clamps set	103491
Calibration certificate	104551

Dimensions in mm / Electrical connections



Setting ranges





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