

Syntesi pressure switches feature a high degree of miniaturisation and a modern attractive design.

As they are extremely modular, the Syntesi series can be installed facing up or down.

They come ready assembled with a 2-metre cable or an M8 connector with a 300-mm cable.

The contact is the switching type, which means it can be normally open or normally closed.

It can be regulated via a knurled push-lock handle.

On the front and back there is a port (1/8" for size 1 and 1/4" size 2) that can be used with pressure gauges or as an additional air intake.



TECHNICAL DATA	SY1 PRESSURE SWITCHES				SY2 PRESSURE SWITCHES			
	1/8"	1/4"	3/8"	3/8"	1/2"	3/4"	1"	
Threaded port								
Adjustable pressure interval	bar		0.5 ÷ 10		bar		0.5 ÷ 10	
Hysteresis (not adjustable)	bar		From 0.4 to 0.8 (See diagram)					
Maximum pressure	bar		15		bar		13	
	MPa		1.5		bar		1.3	
	psi		217		bar		188	
Min/ Max temperature at 10 bar; 1 MPa; 145 psi	°C		From -10 to 50		°C		From -10 to 50	
Maximum current	A		2		A		2	
Maximum voltage	V		250		V		250	
Outside diameter of cable	mm		4.9		mm		4.9	
Number of wires and cross section			3 x 0.5 mm ²				3 x 0.5 mm ²	
Contacts	Normally-Open (NO) and Normally-Closed (NC)							
Protection	IP65				IP65			
Number of switchings	5 x 10 ⁶				5 x 10 ⁶			
Fluid	Filtered lubricated or unlubricated compressed air. Lubrication, if used, must be continuous							
Mounting position	In any position							
Additional air take-off, for pressure gauges or fittings	1/8", front and rear				1/4", front and rear			
Additional air take-off flow rate at 6.3 bar (0.63 MPa; 91 psi) ΔP 1 bar (0.1 MPa; 14 psi)	NI/ min		500		NI/ min		1500	
	scfm		18		scfm		53	
Wall fixing screws	No. 2 M4 screws				No. 2 M5 screws			
Weight	g	255	250	241	443	416	412	400

COMPONENTS

- ① Technopolymer adjusting "push lock" handle
- ② OT58 brass adjusting screw
- ③ Steel piston spring
- ④ OT58 brass piston
- ⑤ Aluminium top plug
- ⑥ Technopolymer body
- ⑦ IN/OUT bushing made of OT58 nickel-plated brass or passivated aluminium for 3/4" - 1"
- ⑧ Technopolymer bottom plug
- ⑨ Technopolymer pressure switch body
- ⑩ Resin finish for IP65
- ⑪ Electrical contact
- ⑫ O-ring NBR gasket
- ⑬ Technopolymer flange

