## SUCO - 0500/0501 ELECTRONIC PRESSURE SWITCH

Factory set

0500102411011 0..100 bar, G1/4, No, PNP, NBR, 2M cable

- · Single switch point
- Small & compact
- Ceramic sensor
- Stainless steel housing

## Product description

The SUCO 0500/0501 performance series electronic pressure switch offers a small compact electronic switch without compromising on quality which comes factory set (unadjustable by the user) with overpressure protection (up to 2x), has a long service life and is also attractively priced especially at high volumes. Using a ceramic sensor in thick film technology for a good operating temperature range and accuracy, there are six standard pressure ranges starting from 0..2 bar all the way up to 0..100 bar and a hysteresis of 1%-98%, available in normally open or normally closed with a PNP transistor output. The wetted parts are made of ceramic, stainless steel and either NBR, EPDM OR FKM ensuring excellent media compatibility, with six standard electrical connection options including Deutsch, DIN and M12 combined with two standard thread type options.

Customer specific solutions are also available on request.

Application examples

- Automotive
- Braking systems
- Medical
- Mobile hydraulics
- Off highway
- Off-shore
- Rail



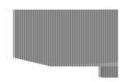
## Specifications

Accuracy	$\pm 0.5$ % of adjustment range (Full scale) at room temperature			
Adjustment range max	100			
Adjustment range min	0			
Burst Pressure	300			
Electrical connection	Embedded 2m cable			
EMC	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007			
Function	Normally open (SPST)			
Hysteresis	198% full scale, programmable at factory (maximum tolerance $\pm 1.0\%$ of adjustment range nominal pressure)			
IP Class	IP67			
Lifespan Mechanical	5,000,000 pulsations at rise rates to 1 bar/ms nominal pressure			
Long-Term Stability	±0.1 % of adjustment range (full scale) per year			
Material of body	Stainless steel 1.4305			
Materials Wetted Parts	NBR, Stainless steel 1.4305			
Max. pressure	150			
Membrane Material	NBR			
Output	PNP			
Pressure rise	≤ 1 bar/ms			
Process connection	G1/4			
Repeatability & Reproducibility	±0.1 % of adjustment range (full scale)			
Shock Resistance	500m / s²; 11 ms half sine wave; DIN EN 60068-2-27			
Supply Voltage DC Max	32			
Supply Voltage DC Min	9.6			
Switching point adjustment range	2100 % of adjustment range(full scale), set at factory			

< 4 ms
-30
100
-30
100
80

Vibration Resistance

20g: 4..2000 Hz sine wave, DIN EN 60068-2-6





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