

0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

SUCO 0510/0511 G1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0511161411002 NC, 0 - 16 Bar, G 1/4, NBR, M12x1

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

PRODUCT DESCRIPTION

The SUCO performance series electronic pressure switch offers a small compact electronic switch without compromising on quality which comes adjustable by the user (hysteresis not adjustable) 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 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



TECHNICAL DATA

GENERAL DATA

Adjustment range max	16 bar
Adjustment range min	0 bar
Electrical connection	M12x1
Process connection	G1/4
Function	Normally Closed (SPST)
Function Output	Normally Closed (SPST) PNP

TEMPERATURE & MATERIALS DATA

Temperature of media from	-30 °C
Temperature of media to	100 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	NBR, Stainless steel 1.4305
Material membrane	NBR

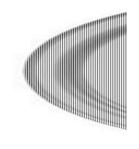
ADDITIONAL DATA

Supply voltage dc max	32 V DC
Supply voltage dc min	9.6 V DC
Pressure rise	≤ 1 bar/ms
Switching time	< 4 ms
Switching point adjustment range	3100 % of adjustment range(full scale), set at factory

SAFETY & APPROVALS

IP class	IP67
Hysteresis	298% full scale, programmable at factory (maximum tolerance $\pm 1.0\%$ of adjustment range nominal pressure)
Shock resistance	500m / s ² ; 11 ms half sine wave; DIN EN 60068-2-27
Vibration resistance	20g: 42000 Hz sine wave, DIN EN 60068-2-6
EMC	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
Accuracy	± 0.5 % of adjustment range (Full scale) at room temperature
Long term stability	± 0.1 % of adjustment range (full scale) per year
Mechanical life expectancy	5,000,000 pulsations at rise rates to 1 bar/ms nominal pressure
Repeatability	±0.1 % of adjustment range (full scale)











Sector :	DIN EN 175301-803-A M 12 - DIN EN 61076-2-101 J		N 61076-2-101 A	ISO 15170-A1-4.1	
-		1		X	
Pei	Autopenent	Pen	Assground	Per	Asignher
	Que -	1	Q4+	1	(344
2	Get	2	HE .	12	NC
1	N _{rd}		Ged	1	Grid
	PNE.		- Mpd #62		Ugg
	ethod usgie solet	8-34mm		852.P000K	
$\mathbf{x} = T T \cos \theta$	art-upic solet	*	S4mm		56,000
Orders	umber (1)	Order number: 002		Order number: 004	
AMP Su	pened 1.5"	Deuts	th DT04-3P		
-	hagement	-	Augurant		
1	Und	A	- SAF		
2	Ged .		. Ged		
1	Shin.	- C	Mast		
	P97	16	t angetek		
	65 mm	x = 61 mm			
Order n	umber: 007	Order number: 013			
<u>_</u>		S VA CHU Sening ong S VA CHU Sening Tribus Sening Tribus Sening Tribus Sening Tribus Sening Tribus			wita