

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

## SUCO 0510/0511 G1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0511102417004 NC, 0 - 100 Bar, G 1/4, TPE, 15170-A1-4.1

- · 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	100 bar
Adjustment range min	0 bar
Process connection	G1/4
Function	Normally Closed (SPST)
Output	PNP
Burst pressure	300 bar
Pressure max	150 bar

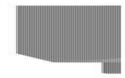
### **TEMPERATURE & MATERIALS DATA**

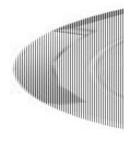
Temperature of media from	-30 °C
Temperature of media to	110 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	TPE, Stainless steel 1.4305
Material membrane	TPE
ADDITIONAL DATA	

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
Weight	80 g

# SAFETY & APPROVALS

IP class	IP67, IP6K9K
Hysteresis	298% full scale, programmable at factory (maximum tolerance $\pm 1.0\%$ of adjustment range nominal pressure)
Shock resistance	500m / s <sup>2</sup> ; 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	$\pm 0.5$ % 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)







	DIN EN 175301-803-A		M 12 - DIN EN 61076-2-101 A		ISO 15170-A1-4.1	
-		1		1	0	
Pei	Avagoment	Pin	Augnment	Pa	Aughher	
1	Que -	1	044	1	UN+	
2	Gest	- 2	HE .	12	I NO.	
1	Mad		Gent	1	Geld	
11	PE	. 4	Mast	1.4	N <sub>ex</sub>	
	PNE.		862	862	POOK	
	ethiol cogile solet arthroppie solet		simm.		56 mm	
	mber 018	Order n	umberi 002	Order mandber: 004		
AMP Superveal 1.5"		Deuts	Devisich DT04-3P			
m	Augment	- Pri	Avagement			
1	Upt	A	SNP			
2	Grid .	1	. Gnd			
	Uve	3:	Upt			
	P§7	16	LIVERSK.			
		381	AL HIMPS			
	00 11111					
	umber: 007	Ovder #	umber; 018			
	amber: 007	Order n				



	75301-803-A	M 12 - DIN EN 61076-2-101 A		ISO 15170-A1-4.1	
-		1		1	0
Pei	Aulgoment	Pn	Assgnment	Per	Aughhert
1	1,044	1	- Q4+	1	GM+
2	Gest	- 2	HE .	1.1	. No.
1	Mad		Get	1	Grid
15	15	. 4	Mast	1.4	Har
PHL.			862	PS2.POOK	
	ethiol cogile solet arthroppie solet		Simm.		S.C. marti
	mber 018	Order n	umberi 000	Order number: 004	
Pn 1 2 3	Aviground U <sub>nit</sub> Unit Uvis	Pn A B C PG	Assgoment Uni Grid Upp		
	65 mm		AL PROP.		
	66 mm amber: 007		dt mm umber: 018		
	under: 007				