

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

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

Adjustable by user

0510252411010 NO, 0 - 250 Bar, G 1/4, NBR, Deutsch DT04-3P

- · 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	250 bar
Adjustment range min	0 bar
Electrical connection	Deutsch DT04-3P
Process connection	G1/4
Function	Normally open (SPST)
Function Output	Normally open (SPST) PNP

### **TEMPERATURE & MATERIALS DATA**

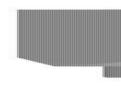
Temperature of media from	-30 °C
Temperature of media to	100 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	NBR, Stainless steel 1.4305
Material membrane	NBR

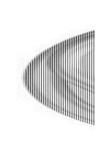
## ADDITIONAL DATA

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, IP6K9K
Hysteresis	298% full scale, programmable at factory (maximum tolerance $\pm 1.0\%$ of adjustment range nominal pressure)
Shock resistance	500m / s²; 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)











DIN EN 175301-803-A		M 12 - DIN EN 61076-2-101 A		ISO 15170-A1-4.1	
-		1		1	
Pei	Anagoment	Pn	Angeneti	Pe	Aughter
2	Qui -	- 1	Q64 HE		UA+ NC
1	Mad	1	Gel		Ged
15	PE	.4	Mark	- 4	Harr
	PHI.		862	195	2. IPOCOC
	ethologie solet arthogie solet	8-54mm		<b>x</b> = 56, mm	
	mber 018	Order	umber: 002	Order number: 004	
X	t/	4	-		
Pn 1 2	Augreent Unit Unit	- Fm - A 	Augument Uvit		
1 2 3	Upd	A B C	Assported		
1 2 3	Upd Und Ove	4 6 7	Assgoment Uv+ Grid U <sub>re</sub>		
1 2 3	Uni Grid Shin PGT	A 8 0 99 <b>x</b>	Anagoment Seri Grid Upp Carlos		
1 2 3	Una Grid Grid Grid Grid Grid Grid Marker Grid Marker Grid Grid Grid Grid Grid Grid Grid Gri	A 8 0 99 <b>x</b>	Assgement We Grid Upp Lifette		