

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

SUCO 0510/0511 G1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0510400413013 NO, 0 - 4 Bar, G 1/4, FKM, DIN EN 175301-803-A

- · 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	4 bar
Adjustment range min	0 bar
Electrical connection	DIN EN 175301-803-A
Process connection	G1/4
Function	Normally open (SPST)
Output	PNP
Burst pressure	20 bar
Pressure max	10 bar

TEMPERATURE & MATERIALS DATA

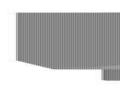
Temperature of media from	-20 °C
Temperature of media to	125 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	FKM, Stainless steel 1.4305
Material membrane	FKM

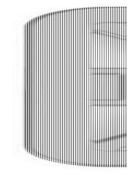
ADDITIONAL DATA

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	IP65
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)







1	\$301-803-A	M 12 - DIN I	N 61076-2-101 A	150 15	170-A1-4.1
12		5		1	
Pri	Autgoment	Pn	Acopresid	Per	Aughner
	1,044	1	044		(344
	Get	2	HE.		NC
1	N _{rd}		Cent	- 1	Ged
	14		252		U _{LIN}
x - 60 mm at	the states		simn.		56 mm
$\mathbf{x} = TT \text{ even} \mathbf{z}$	et auger solet	*	S4mm		56,000
Order nu	mber 013	Order a	umberi 002	Order #	umber 004
	Anground Gast		Acagorium Acagorium Unit		
9	97	16	LaNextsk.		
x - 1	5 0000		0.000		
Order nu	mber: 007	Orders	umber: 018		
(()	97 5 mm	15 X	dit more		



	75301-803-A	M12-DIN	IN 61076-2-101 A	150 15	170-41-4.1
-		1		1	0
Pri	Automat	Pen	Augment	Per	Asignher
	1,044	1	Q8+	1	(644
1	Get	- 2	100		NE. Grid
- 15	- Madi PK	1	Gent	1	Una
	PAG.		252		2. BRUKINE
	that sight later				
	arth ungin soler	*	54.mm		56 mm
Ordern	umber: 01)	Order	umber: 003	Order	umber 004
AMP Sur	perseal 1.5*	Deuts	ch DT04-3P		
m	higrent	Pn	Augurant		
1 2 3	Upd Grid Unit	A B C	Autoprint We Grid Upp		
1	Uni Grid	4 10 10 10	Ausgomment Writ Grid		
1 2 3	Und Grid Svir PG7	A 8 0 9 9	Anagoment Wei Ged Upp		
1 2 3	Und Grid Wer Mar Al mm Al mm Al mm Al mm	A 8 0 9 9	Assgoment Wei God Upp Lifette		