

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

SUCO 0500/0501 ELECTRONIC PRESSURE SWITCH

Factory set

0500161411002 NO, 0 - 16 Bar, G 1/4, NBR, M12x1

- · 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



TECHNICAL DATA

GENERAL DATA

Adjustment range max	16 bar
Adjustment range min	0 bar
Electrical connection	M12x1
Process connection	1/4 BSP
Function	Normally open (SPST)
Function Output	Normally open (SPST) PNP

TEMPERATURE & MATERIALS DATA

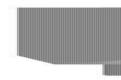
Temperature of media from	-30 °C
Temperature of media to	100 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	NBR, Stainless steel 1.4305
Material membrane	NBR

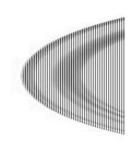
ADDITIONAL DATA

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) nominal pressure, 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 1,000 bar/s nominal pressure
Repeatability	±0.1 % of adjustment range (full scale) nominal pressure







DIN EN 175301-803-A		M 12 - DIN EN 41036-2-101 A		ISO 15129-A1-4.1	
-		1		1	0
Pro.	Ausgemant	Pin	Automate	PW.	Acignmen
1	Uve	1	Uve	1. L	101
- 2	Gnt		RC	. t	16
1	Mag	1	Grid	1	Gnd
15	18		1 Mar	4	Sec.
	995		967	PL	POKK.
	which sugar solar with cogier solar		Steel		50.mm
	umber: #11	Order	umber:002	Order number: 004	
AMP Su	perseal 1.5"	Deuto	ch 0104-3P	Cabel connection	
Pb. 1 2	Ausporent Meat Cost Upp	Pn A B C	Auspresent Unv Grafi Ulus	Phy and union black	Religioner Litve Vise Conil
	247		C PREM		1917
	et mer.		El ann	0.500	47 mm (bond wilef) eigth – 3 m
Order n	umber:007	Orders	samber: END	Ordern	umber: 011
1	L				
۰.		ELLANDER Decisió m294-p port april mo brom E	1		write



	ne	o/nc
01	(+)	
02	(GND)	• • •
03	(OUT)	<u> </u>

	M 13 - DIN E	N41036-2-101 A	150-15	135-A1-61
	1		1	0
Avigonant	Per	Autometer	74	Acignmen
Uve	1	Uvr	1. I.	100
Gent -	2	NC.	2.	16
Max	3	Ond	1	Gnd
15		1. Not	4	- 10 _m
ő · · · · · · · · · · · · · · · · · · ·		\$407	PL	POKK.
ed ogle oder 6 logie seter	¥1	S4.mm		50.mm
aber: ETI	Order n	umber: 002	Order n	umber: 004
AMP Superneal 1.5"		h 0104-3P	Cabel connection	
Ausporert	Pin A	Aragnment Uvv	Pix: and	Religioner
sind.	1	Grid	whee	1.164
Unit-	C.	Max	Hack	Great
P	252	CPERDIK		P97
		trinn	in Sime	
	Uve Graf Vig H Scopen oder togen	Unit 1 Ger 2 Fit 0 Magnetistic 1 Magnetistic 1	Unit 1 Unit Gost 2 re Site Gost Gost RI 900 Margare Mill Site - 64 mill Site Site - 70 mill Augement Mar - 70 mill Site	Imageneric Pro: Anageneric Pro: Pro: