

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

SUCO 0500/0501 ELECTRONIC **PRESSURE SWITCH**

Factory set

0501161417007 NC, 0 - 16 Bar, G 1/4, TPE, AMP Superseal 1.5

- · 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	AMP Superseal
Process connection	G1/4
Function	Normally Closed (SDST)
	Normally Closed (SPST)
Output	PNP

TEMPERATURE & MATERIALS DATA

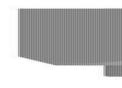
Temperature of media from	-30 °C
Temperature of media to	110 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	TPE, Stainless steel 1.4305
Material membrane	TPE

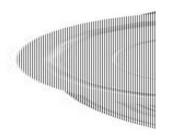
ADDITIONAL DATA

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) 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 13 - DIN EN 41036-3-101 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	A	Sec.	
	995		967	PL	POKK.	
	which sugar solar with cogier solar		Steel		50.mm	
	umber: #11	Order	umber:002	Order n	er number: 004	
AMP Su	AMP Superneal 1.5*		ch 0104-3P	Cabel connection		
Pb. 1 2 1	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.	R - think		x = 47 even (+ 25 mm bend relief) Cable length = 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)	

	M 13 - DIN E	N41036-2-101 A	150-15	135-A1-61
	1		1	0
Avigonant	Per	Autometer	74	Acignmen
Ure	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 ogler oder 8-logier soler	¥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 Mai	Pin A	Aragnment Uvv	Pix: and	Religioner
sind.	1	Grid	whee	1.164
Unio	C.	Max	Hack	Great
F	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 - 54 mill Site Site 1000 millit Site Site 1000 millit Site Site 1000 millit Site Augement 1000 millit Site Margare Millit Site Site	Image: Net of the second sec