SUCO - 0500/0501 ELECTRONIC PRESSURE SWITCH

Factory set

0501102411002 0..100 bar, G1/4, Nc, PNP, NBR, M12

- 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



Specifications

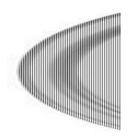
Accuracy	± 0.5 % of adjustment range (Full scale) at room temperature
Adjustment range max	100
Adjustment range min	0
Burst Pressure	300
Electrical connection	M12x1
EMC	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
Function	Normally Closed (SPST)
Hysteresis	198% full scale, programmable at factory (maximum tolerance $\pm 1.0\%$ of adjustment range nominal pressure)
IP Class	IP67
Lifespan Mechanical	5,000,000 pulsations at rise rates to 1 bar/ms nominal pressure
Long-Term Stability	±0.1 % of adjustment range (full scale) per year
Material of body	Stainless steel 1.4305
Materials Wetted Parts	NBR, Stainless steel 1.4305
Max. pressure	150
Membrane Material	NBR
Output	PNP
Pressure rise	≤ 1 bar/ms
Process connection	1/4 BSP
Repeatability & Reproducibility	±0.1 % of adjustment range (full scale)
Shock Resistance	500m / s ² ; 11 ms half sine wave; DIN EN 60068-2-27
Supply Voltage DC Max	32
Supply Voltage DC Min	9.6
Switching point adjustment range	2100 % of adjustment range(full scale), set at factory

Switching time	< 4 ms
Temperature ambient from	-30
Temperature ambient to	100
Temperature range of media from	-30
Temperature range of media to	100
Weight	80

Vibration Resistance

20g: 4..2000 Hz sine wave, DIN EN 60068-2-6







DIN EN 175301-800-A		M 12 - DIN EN 41076-2-101 A		ISO 15120-A1-4.1	
-	NE:	1	0	1	0
Pre-	Ausponunt	Pe	Automate	PH.	Acignme
1	Uve	1	Uvy	1	101
- 12	Gint	2	RC.	2	16
3	Mag	1	ONE	1	Gnd
15	18	4	Nine 1	4	- Mart
995			967	PL2 PD/CR	
	ethod ogler soler with logikr soler	¥9	\$4,mm		50 mm
Order number: \$11		Order number: 002		Order number: 004	
AMP Su	AMP Superneed 1.5*		h 0104-3P	Cabel connection	
0	Ð	1			
E	Augurant Mai Col		Ausgement Unv Geut	2 1	Antopere
- 1	Mant	h.	Angreent	and	104
1	M _{int} Grid	A B C	Ausgement Unv Geut	and unbine black	liter Hat
1	Mini Grid Univ	A B C Phi	Assgreet Uvv Golf Ulus	and union black (r-25 mm	New Mask Great
1 1 1	Uni God Uni PG Union	A B C F91 R-	Anigement Uvv God Usa PSCR If ann	ent) uitelar Hack (r. 25 min Cable is	litve Has Gent #67 47 eren Ibend reter ingth - 3 m
1 1 1	Uni Grid Uni PGF	A B C F91 R-	Assignment Uko God Ulan JPACK	ent) uitelar Hack (r. 25 min Cable is	l/ve Illas Grell PS7 47 even (bend relief)
1 1 1	Una Crid Nov 907 U over- umber: 007	A B C F91 R-	Anigement Uvv God Usa PSCR If ann	ent) uitelar Hack (r. 25 min Cable is	H _{int} Grei 47 eren Ibend releft regth – 3 m



DIN EN 175301-803-A		M 12 - DIN EN 61036-2-101 A		ISO 15120-A1-4.1	
-	NE.	1		X	0
Par,	Avigonant	Per	Automate	- 194	Acignmen
1	Uya -	1	Uvr	1. L.	101
- 2	Gent		RC		14
3	Vini 18	3	Ond	- 1 - 4	Gnd
			1 Min		- Vint
995 x - 60 mm without output solar			967	PE2 PDKK	
	with an a second s		\$4.mm		50.mm
Order n	umber: #11	Order r	umber: 002	Order number: 004	
AMP Su	perseal 1.5"	Deuto	n 0104-3P	Cabel connection	
1	Autoporent M _{pd} Crist	Pm A	Arignment Uvv Grid	Por and when	Religioner
		- C	Level Mari	linck	Great
1			No.		
1	Unit				
1	Uni PO		CPROK		P87
1		- 25	er om	0.500	#87 47 mm s band reliaft eigth – 3 m
•	207			(+.25 mm Cable H	42 men bend relief (
l Drder n	er el ma	Diden	Et dam	(+.25 mm Cable H	42 even s bond wilet (eigth - 2 m
•	907 11 mm umber: 007	Diden	er een aanber: 250	(+.25 mm Cable H	42 even s bond wilet (eigth - 2 m