SUCO - 0500/0501 ELECTRONIC PRESSURE SWITCH

Factory set

0501101413002 0..10 bar, G1/4, Nc, PNP, FKM, 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

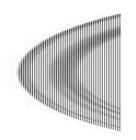
Accuracy	± 0.5 % of adjustment range (Full scale) at room temperature
Adjustment range max	10
Adjustment range min	0
Burst Pressure	35
Electrical connection	M12x1
EMC	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
Function	Normally Closed (SPST)
Hysteresis	198% full scale, programmable at factory (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	FKM, Stainless steel 1.4305
Max. pressure	20
Membrane Material	FKM
Output	PNP
Pressure rise	≤ 1 bar/ms
Process connection	G1/4
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	-20
Temperature range of media to	125
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 15129-A1-4.1	
- <u>v</u> .E		1		1	0
Ten.	Avaponent	Pin	Automatic	PV.	Acignme
1	Uve -	1	Uve	B	100
- 2	Gent	2	NC.	2	16
3	Max	1	ONE		Gnd
16	11		A Mint	4	- Max
	10		\$467	PLI	PORK
 40 mm pt 4-77 mm at 	Nucleague active		SA.mat		50 mm
	Order number: \$11		umber: 002	Order n	umber: 004
AMP Superneal 1.5"		Deutsch Off04-3P		Cabel connection	
No.	D	m	Augment	n	
1	M _{ini} shat	. А. В.	Araprovent Univ God	and white	lifer Hast
1	Mint Grid Unit	A B C	Augreent Uve God Ulas	and white Mack	Uvv H _{mb} Great
1	Mint Grid Unit	A B C	Araprovent Univ God	and uniter black	Univ Ulash Gredi PM7
1	Una Grid Una Gr	A B C PY	Augreent Uve God Ulas	and subter black (+ 25 mm	Ulus Grell PE7 47 inten bond relief (-
1 2 1 9	Una Grid Una Gr	A B C P1 4	Augment Uv Gol Ula	erd white Mack (+.25 min Cable in	likv Ulas Gril PU7 47 inter
1 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Una Grid Una Gr	A B C P1 4	Augment Uve Grid Um Um Um	erd white Mack (+.25 min Cable in	Unv H _{int} Grill 42 eren bend selerti rigth – 3 m
1 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Unit (Market of Control of Contro	A B C P1 4	Augment Uve Grid Um Um Um	erd white Mack (+.25 min Cable in	like H _{at} Grill HL7 42 mm band wief) righ - 2 m



Augument Unit Col La sus ander: 002	2 1 2 1 2 1 3 5 0 0 0 0 0 0 0 0 0 0 0 0 0	Anigonar Una Una Una Una Una Una Una Una Una Una	
Uvi rc Grid Nar Vo2 St sun mber: 002	1 2 1 4 pr Corder	1044 rg Grad Vitas L(PERCH. - 50 mm	
NV God Ulur Mor More More More More	2 8 91 8 Order	ric God Visa Li PERIK - Si ave	
Grid Nor (4 sum amber: 002	i e ri Order	Grid Vilan L(POKK. - 50 mm	
N (2 sun anber: 002	d Pr a Order	Han I PORK - 50 mm	
id son anber: 002	Pi * Order	ut antekse. 50 men	
u sus mber: 002	e Order	- 56 mm	
mber: 002	Order		
		number: 004	
40104-39	Cabel		
		Cabel connection	
Aragement	Ph.	Religioner	
Gent	white	1.11	
		Gel	
	100.5	207	
		- 47 mm	
01 davis	11-25 m	m bond relief) length - 3 m	
anber: 810	Order no	number: 011	
	M _{en} rskok r den	rian Cuber	