

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

SUCO 0500/0501 ELECTRONIC **PRESSURE SWITCH**

Factory set

0501401411004 NC, 0 - 40 Bar, G 1/4, NBR, 15170-A1-4.1

- · 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	40 bar
Adjustment range min	0 bar
Process connection	G1/4
Function	Normally Closed (SPST)
Output	PNP
Burst pressure	140 bar
Pressure max	100 bar

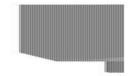
TEMPERATURE & MATERIALS DATA

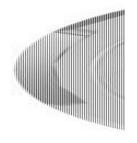
Temperature of media from	-30 °C
Temperature of media to	100 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	NBR, Stainless steel 1.4305
Material membrane	NBR
ADDITIONAL DATA	
Supply voltage dc max	32 V DC

Supply voltage dc 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
Weight	80 g

SAFETY & APPROVALS

IP class	IP67, IP6K9K
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







1	2		
		-	
		-0	0
1			0./
		-	9
et Per	Automatic	PM	Acignine
1			100
	NC.		16
			Gnd
	No.	4	Net.
	967	. P12	PDOK.
6r	Stee		50 mm
	umber: 002	Order no	umber: 004
Deuto	a 0104-3P	Cabella	annection
		enc.	Acignite
N	Gent	whee	104
			UV-
	Grif	ultis Nack	1 Mark
C PS	Gent) Mass	ultin Notit	H _{mit} Great
	i 2 3 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 10% 2 7% 3 Golf 9 Using 900 900 91 10% 92 Destruk 0164.59	1 Um 1 2 re 2 3 Gell 1 4 Um 4 90 PUL PUL 1 Color Mall 1 Color Color 0 Color



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

1000			N-61076-2-101 A	1013	139-41-41
- 8		1	0	C	0
Car		2.5		-	9
2m	Assignment	Per	Ausignment	PM .	Acignmer
1	Uya	1	Um	1. L	100
- 2	Get	2	RC	2	16
1	Mart	1	OH!	1	Gnd
- 15	11		Mat	4.11	
- P			967	PL	POKK.
 40 mm at 3 - 77 mm at 			Steel		50.mm
Order nur	mber: \$11	Order r	umber: 002	Order n	umber: 004
AMP Supe	eneral 1.5"	Deuto	a 0104-3P	Callel	innection
	9		A		
-	P	m	Augrment	Par and	
1	Mod	h.	Assgnment	ad	liter
1		λ. Β.	Aragement Ukv Ged		
1	Mint Grid Uni	8 8 C	Arignment Uhv Colt Ulus	and advice Mack	live H _{mb} Great
1 2 1 4	U _{ra} Griđ Ura Gr	A B C PY	Augement UNV Ged Ulus CPUKIK	ard ution Mack	H _{mb} Grid FB7 47 Here
1	U _{ra} Griđ Ura Gr	A B C PY	Arignment Uhv Colt Ulus	and uniter Hack (+ 25 mm	UNV Ulas Grail PN7