

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

SUCO 0500/0501 ELECTRONIC PRESSURE SWITCH

Factory set

0500101412004 NO, 0 - 10 Bar, G 1/4, EPDM, 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	10 bar
Adjustment range min	0 bar
Process connection	G1/4
Function	Normally open (SPST)
Output	PNP
Burst pressure	35 bar
Pressure max	20 bar

TEMPERATURE & MATERIALS DATA

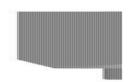
Temperature of media from	-30 °C
Temperature of media to	125 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	EPDM, Stainless steel 1.4305
Material membrane	EPDM

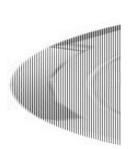
ADDITIONAL DATA

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
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 / s²; 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 175301-600-A		M 13 - DINEN 61076-2-101 A		ISO 15170-A1-61	
. 2		1		1	0
Fan.	Assignment	Per	Ausgreson	Pin	Acignmen
1	Un	1	Uky	1.	189
- 2	GNE	2	NC.	2	100
	Med	. 1	QNd:		Gnd
15.	16	- 4	Mar	4.	Yes
	P65		9'67	PERPORE	
	ethod ought solet with (ought solet	X:	Street		50 mm
Order number: 815		Ordern	umber: 002	Order number: 004	
AMP Superned 1.5"		Deutsu	D 0104-3P	Catel connection	
Pin 1 2	Augovers Mod Cod	Pin A B	Ausgnment UV+ Graft	Plot and substant	Acignmen
	Un	0	Mar.	Hick	Ged
	247		PREK	100.0	997
	til mm.		tir iren	11-25 mm	47 erm s bend releft) regth – 2 m
Order n	umber:007	Order	sambar: 810	Order number: (ITI	
	-	Laboratoria C. 14-000 Control (17-1) Control (17-1)	,		
	-	from E		-	terrine.



