



## SUCO - 0500/0501 ELECTRONIC PRESSURE SWITCH

Factory set

0500200411002  
0..2 bar, G1/4, No, 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.

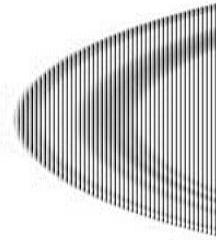
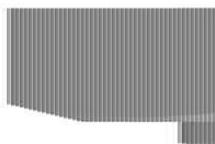
Customer specific solutions are also available on request.

### Application examples

- Automotive
- Braking systems
- Medical
- Mobile hydraulics
- Off highway
- Off-shore
- Rail

## Specifications

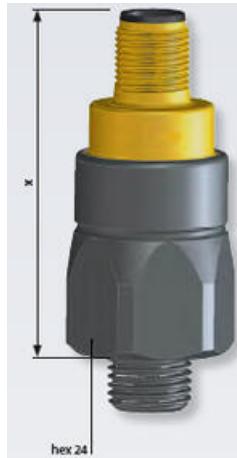
<b>Accuracy</b>	±0.5 % of adjustment range (Full scale) at room temperature
<b>Adjustment range max</b>	2
<b>Adjustment range min</b>	0
<b>Burst Pressure</b>	8
<b>EMC</b>	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
<b>Hysteresis</b>	1...98% full scale, programmable at factory (maximum tolerance ±1.0% of adjustment range nominal pressure)
<b>IP Class</b>	IP67
<b>Lifespan Mechanical</b>	5,000,000 pulsations at rise rates to 1 bar/ms nominal pressure
<b>Long-Term Stability</b>	±0.1 % of adjustment range (full scale) per year
<b>Max. pressure</b>	4
<b>Output</b>	PNP
<b>Pressure rise</b>	≤ 1 bar/ms
<b>Repeatability &amp; Reproducibility</b>	±0.1 % of adjustment range (full scale)
<b>Supply Voltage DC Max</b>	32
<b>Supply Voltage DC Min</b>	9.6
<b>Switching point adjustment range</b>	2...100 % of adjustment range(full scale), set at factory
<b>Switching time</b>	< 4 ms
<b>Temperature ambient from</b>	-30
<b>Temperature ambient to</b>	100
<b>Temperature range of media from</b>	-30
<b>Temperature range of media to</b>	100
<b>Weight</b>	80



	no / nc
○ 1	(+)
○ 2	(GND)
○ 3	(OUT)

DIN EN 175301-803-A	M 12 - DIN EN 61036-2-101-A	ISO 15170-A1-4.1
Pin Assignment	Pin Assignment	Pin Assignment
1 U <sub>ve</sub>	1 U <sub>ve</sub>	1 U <sub>ve</sub>
2 Gnd	2 U <sub>ve</sub>	2 Gnd
3 U <sub>pe</sub>	3 Gnd	3 Gnd
PE FE	4 U <sub>pe</sub>	4 U <sub>pe</sub>
■ ~ 60 mm without copper sleeve ■ ~ 77 mm with copper sleeve	■ ~ 54 mm	■ ~ 56 mm
Order number: 011	Order number: 002	Order number: 004
AMP Supersafe 1.5"	Deutsch DF04-3P	Cable connection
Pin Assignment	Pin Assignment	Pin Assignment
1 U <sub>pe</sub>	A U <sub>ve</sub>	red U <sub>ve</sub>
2 Gnd	B Gnd	white U <sub>pe</sub>
3 U <sub>ve</sub>	C U <sub>pe</sub>	black Gnd
PE	PE	PE
■ ~ 65 mm	■ ~ 69 mm	■ ~ 47 mm (+ ~ 25 mm without sleeve) Cable length ~ 2 m
Order number: 007	Order number: 010	Order number: 011

--	--



	no / nc
○ 1	(+)
○ 2	(GND)
○ 3	(OUT)

DIN EN 175301-803-A	M 12 - DIN EN 61036-2-101-A	ISO 15170-A1-4.1
Pin Assignment	Pin Assignment	Pin Assignment
1 U <sub>ve</sub>	1 U <sub>ve</sub>	1 U <sub>ve</sub>
2 Gnd	2 U <sub>ve</sub>	2 Gnd
3 U <sub>pe</sub>	3 Gnd	3 Gnd
PE FE	4 U <sub>pe</sub>	4 U <sub>pe</sub>
■ ~ 60 mm without copper sleeve ■ ~ 77 mm with copper sleeve	■ ~ 54 mm	■ ~ 56 mm
Order number: 011	Order number: 002	Order number: 004
AMP Supersafe 1.5"	Deutsch DF04-3P	Cable connection
Pin Assignment	Pin Assignment	Pin Assignment
1 U <sub>pe</sub>	A U <sub>ve</sub>	red U <sub>ve</sub>
2 Gnd	B Gnd	white U <sub>pe</sub>
3 U <sub>ve</sub>	C U <sub>pe</sub>	black Gnd
PE	PE	PE
■ ~ 65 mm	■ ~ 69 mm	■ ~ 47 mm (+ ~ 25 mm without sleeve) Cable length ~ 2 m
Order number: 007	Order number: 010	Order number: 011

--	--