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SUCO - 0510/0511 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0510200411002
0..2 bar, G1/4, No, PNP, NBR, M12



- Single switch point
- Small & compact
- Ceramic sensor
- Stainless steel housing

Product description

The SUCO performance series electronic pressure switch offers a small compact electronic switch without compromising on quality which comes adjustable by the user (hysteresis not adjustable) 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 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.

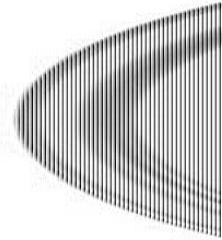
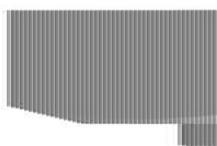
Customer specific solutions are also available on request.

Application examples

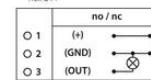
- Automotive
- Braking systems
- Medical
- Mobile hydraulics
- Off highway
- Off-shore
- Rail

Specifications

Accuracy	±0.5 % of adjustment range (Full scale) at room temperature
Adjustment range max	2
Adjustment range min	0
Burst Pressure	8
EMC	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
Hysteresis	1...98% full scale, programmable at factory (maximum tolerance ±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
Max. pressure	4
Output	PNP
Pressure rise	≤ 1 bar/ms
Repeatability & Reproducibility	±0.1 % of adjustment range (full scale)
Supply Voltage DC Max	32
Supply Voltage DC Min	9.6
Switching point adjustment range	2...100 % 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

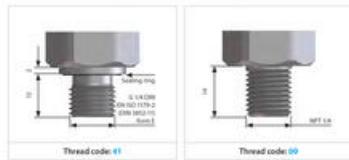


hex 24



DIN EN 175301-803-A	M 12 – DIN EN 61076-2-101 A	ISO 15110-A1-4.1
Pin Assignment	Pin Assignment	Pin Assignment
1 U _{in}	1 U _{in}	1 U _{in}
2 Gnd	2 H _{in}	2 Gnd
3 M _{in}	3 Gnd	3 Gnd
4 PE	4 M _{in}	4 M _{in}
IP65	IP67	IP67, IP68/IEC
■ ~60 mm without capillary socket	■ ~54 mm	■ ~56 mm
■ ~77 mm with capillary socket		
Order number: 013	Order number: 012	Order number: 004

AMP Superseal 1,5"	Deutsch DT04-3P
Pin Assignment	Pin Assignment
1 U _{in}	A U _{in}
2 Gnd	B Gnd
3 M _{in}	C M _{in}
IP67	IP67, IP68/IEC
■ ~61 mm	■ ~61 mm
Order number: 007	Order number: 010



DIN EN 175301-803-A	M 12 – DIN EN 61076-2-101 A	ISO 15110-A1-4.1
Pin Assignment	Pin Assignment	Pin Assignment
1 U _{in}	1 U _{in}	1 U _{in}
2 Gnd	2 H _{in}	2 Gnd
3 M _{in}	3 Gnd	3 Gnd
4 PE	4 M _{in}	4 M _{in}
IP65	IP67	IP67, IP68/IEC
■ ~60 mm without capillary socket	■ ~54 mm	■ ~56 mm
■ ~77 mm with capillary socket		
Order number: 013	Order number: 012	Order number: 004

AMP Superseal 1,5"	Deutsch DT04-3P
Pin Assignment	Pin Assignment
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