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.

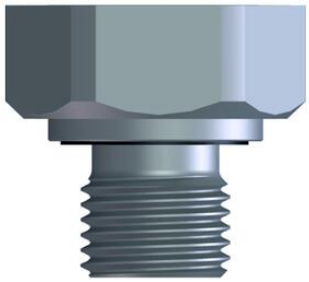
Application examples

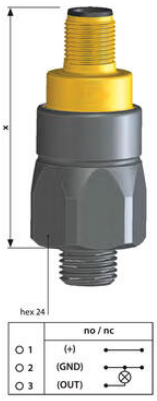
- Automotive
- Braking systems
- Medical
- Mobile hydraulics
- Off highway
- Off-shore
- Rail

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





DIN EN 175301-803-A

Pin	Assignment
1	U_{B}+
2	Gnd
3	U_{Load}
PE	PE

IP65

x = 60 mm without coupler socket
x = 77 mm with coupler socket

Order number: 013

M 12 – DIN EN 61076-2-101.A

Pin	Assignment
1	U_{B}+
2	nc
3	Gnd
4	U_{Load}

IP67

x = 54 mm

Order number: 002

ISO 15170-A1-4.1

Pin	Assignment
1	U_{B}+
2	nc
3	Gnd
4	U_{Load}

IP67, IP69K

x = 56 mm

Order number: 004

AMP Superseal 1.5°

Pin	Assignment
1	U_{Load}
2	Gnd
3	U_{B}+

IP67

x = 65 mm

Order number: 007

Deutsch DT04-3P

Pin	Assignment
A	U_{B}+
B	Gnd
C	U_{Load}

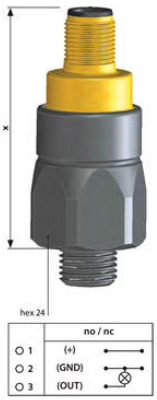
IP67, IP69K

x = 60 mm

Order number: 010

Thread code: 41

Thread code: 00



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