OEM Automatic Ltd
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SUCO 0510/0511 NPT1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0510161092004
NO, 0 - 16 Bar, NPT 1/4, EPDM, ISO 15170-A1-4.1

- Single Switch Point
- Small & Compact
- Ceramic Sensor
- Stainless Steel Housing

PRODUCT DESCRIPTION

TECHNICAL DATA

GENERAL DATA

Adjustment range max	16 bar
Adjustment range min	0 bar
Process connection	1/4 NPT
Function	Normally open (SPST)
Output	PNP
Burst pressure	60 bar
Pressure max	40 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

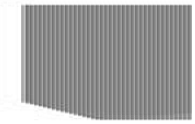
Material membrane	EPDM

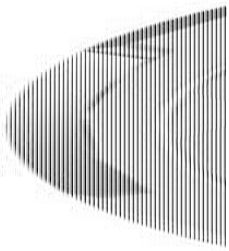
ADDITIONAL DATA

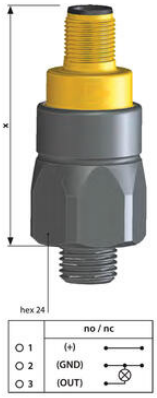
Supply voltage dc max	32 V DC
Supply voltage dc min	9.6 V DC
Pressure rise	≤ 1 bar/ms
Switching time	< 4 ms
Switching point adjustment range	3...100 % of adjustment range(full scale), set at factory
Weight	80 g

SAFETY & APPROVALS

IP class	IP67, IP6K9K
Hysteresis	2...98% full scale, programmable at factory (maximum tolerance ±1.0% of adjustment range nominal pressure)
Shock resistance	500m / s²; 11 ms half sine wave; DIN EN 60068-2-27
Vibration resistance	20g: 4..2000 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 bar/ms nominal pressure
Repeatability	±0.1 % of adjustment range (full scale)







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}

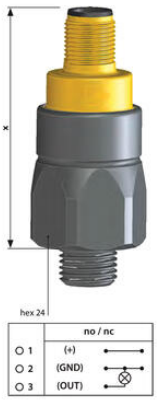
IP67, IP69K

x = 60 mm

Order number: 010

Thread code: 41

Thread code: 00



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