



## SUCO 0510/0511 NPT1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0511161092004  
NC, 0 - 16 Bar, NPT 1/4, EPDM, 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 Closed (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

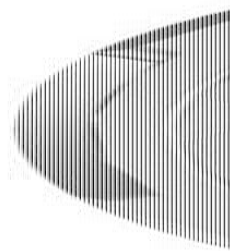
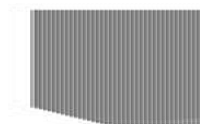
Material membrane	EPDM
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## ADDITIONAL DATA

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 / s <sup>2</sup> ; 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)

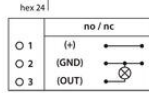


hex 24		no / nc	
○ 1	(+)	→	→
○ 2	(GND)	→	→
○ 3	(OUT)	→	→

DIN EN 175301-803-A		M 12 - DIN EN 61076-2-101 A		ISO 15170-A1-41	
Pin	Assignment	Pin	Assignment	Pin	Assignment
1	Usv	1	Usv	1	Usv
2	Grnd	2	nc	2	nc
3	M <sub>12</sub>	3	Grnd	3	Grnd
PE	PE	4	M <sub>12</sub>	4	M <sub>12</sub>
IP67		IP67		IP67, IP69K	
x = 60 mm anti-slip socket x = 77 mm anti-slip socket		x = 54 mm		x = 56 mm	
Order number: 013		Order number: 002		Order number: 004	

AMP Superseal 1.5"		Deutsch DT98-3P	
Pin	Assignment	Pin	Assignment
1	M <sub>12</sub>	A	Usv
2	Grnd	B	Grnd
3	Usv	C	M <sub>12</sub>
IP67		IP67, IP69K	
x = 60 mm		x = 60 mm	
Order number: 007		Order number: 010	

Thread code: 41	Thread code: 09



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1	Usv	1	Usv	1	Usv
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3	M <sub>12</sub>	3	Grnd	3	Grnd
PE	PE	4	M <sub>12</sub>	4	M <sub>12</sub>
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