



SUCO 0510/0511 NPT1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0511252091002

NC, 0 - 250 Bar, NPT 1/4, NBR, M12x1

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

PRODUCT DESCRIPTION

TECHNICAL DATA

GENERAL DATA

Adjustment range max	250 bar
Adjustment range min	0 bar
Electrical connection	M12x1
Process connection	1/4 NPT
Function	Normally Closed (SPST)
Output	PNP
Burst pressure	500 bar
Pressure max	375 bar

TEMPERATURE & MATERIALS DATA

Temperature of media from	-30 °C
Temperature of media to	100 °C
Temperature ambient from	-30 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305

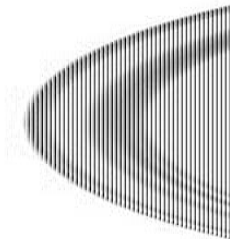
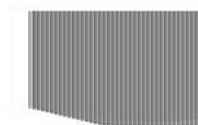
Material of wetted parts	NBR, Stainless steel 1.4305
Material membrane	NBR

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
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)



Pin	Assignment
1	U _{ext}
2	Gnd
3	U _{int}
PE	PE

IP67

• 60 mm without cable outlet
• 77 mm with cable outlet

Order number: 013

Pin	Assignment
1	U _{ext}
2	Int
3	Gnd
4	U _{int}

IP67

• 54 mm

Order number: 002

Pin	Assignment
1	U _{ext}
2	Int
3	Gnd
4	U _{int}

IP67, IP68/9K

• 56 mm

Order number: 004

Pin	Assignment
1	U _{int}
2	Gnd
3	U _{ext}

IP67

• 61 mm

Order number: 007

Pin	Assignment
A	U _{ext}
B	Gnd
C	U _{int}

IP67, IP68/9K

• 61 mm

Order number: 010

Thread code: **41**

Thread code: **09**



Pin	Assignment
1	U _{ext}
2	Gnd
3	U _{int}
PE	PE

IP67

• 60 mm without cable outlet
• 77 mm with cable outlet

Order number: 013

Pin	Assignment
1	U _{ext}
2	Int
3	Gnd
4	U _{int}

IP67

• 54 mm

Order number: 002

Pin	Assignment
1	U _{ext}
2	Int
3	Gnd
4	U _{int}

IP67, IP68/9K

• 56 mm

Order number: 004

Pin	Assignment
1	U _{int}
2	Gnd
3	U _{ext}

IP67

• 61 mm

Order number: 007

Pin	Assignment
A	U _{ext}
B	Gnd
C	U _{int}

IP67, IP68/9K

• 61 mm

Order number: 010

Thread code: **41**

Thread code: **09**