



SUCO 0510/0511 NPT1/4 ELECTRONIC PRESSURE SWITCH

Adjustable by user

0511102091002
NC, 0 - 100 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	100 bar
Adjustment range min	0 bar
Electrical connection	M12x1
Process connection	1/4 NPT
Function	Normally Closed (SPST)
Output	PNP
Burst pressure	300 bar
Pressure max	150 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

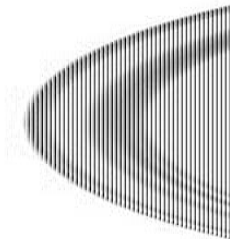
Material of wetted parts	NBR, Stainless steel 1.4305
Material membrane	NBR

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 _{ref}
2	Gnd
3	U _{bus}
PE	PE

IP67

Ø = 60 mm without upper socket
Ø = 77 mm with upper socket

Order number: 013

Pin	Assignment
1	U _{ref}
2	U _{ref}
3	Gnd
4	U _{bus}

IP67

Ø = 54 mm

Order number: 002

Pin	Assignment
1	U _{ref}
2	U _{ref}
3	Gnd
4	U _{bus}

IP67, IP68/IK

Ø = 56 mm

Order number: 004

Pin	Assignment
1	U _{ref}
2	Gnd
3	U _{bus}

IP67

Ø = 60 mm

Order number: 007

Pin	Assignment
A	U _{ref}
B	Gnd
C	U _{bus}

IP67, IP68/IK

Ø = 60 mm

Order number: 010

Thread code: 41

Thread code: 09

hex 24

	no / nc
○ 1	(+)
○ 2	(GND)
○ 3	(OUT)

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