



## SUCO - 0520 ELECTRONIC PRESSURE SWITCH

0520470141002

Normally Open, 0 – 10 bar, G 1/4 – female thread, NBR, M12x1

- Ceramic measuring cell
- Adjustable up to 250 bar
- High accuracy
- Adjustment by mechanical screw
- Overpressure proof up to 500 bar



### PRODUCT DESCRIPTION

Compact electronic pressure switch in galvanized steel with a ceramic measuring cell for high accuracy. Very long lifetime and simple mechanical setting of switching point via potentiometer. Hysteresis adjustable from factory 2...95 % of working range.

### TECHNICAL DATA

#### GENERAL DATA

Adjustment range max	10 bar
Adjustment range min	0 bar
Electrical connection	M12x1
Process connection	G1/4 female
Function	Normally open
Output	PNP
Burst pressure	25 bar
Pressure max	20 bar

#### TEMPERATURE & MATERIALS DATA

Temperature of media from	-30 °C
Temperature of media to	100 °C
Temperature ambient from	-30 °C
Temperature ambient to	80 °C

<b>Material of body</b>	Zinc-plated steel
<b>Material of wetted parts</b>	Zinc-plated steel, NBR
<b>Material membrane</b>	NBR

## ADDITIONAL DATA

<b>Supply voltage dc max</b>	36 V DC
<b>Supply voltage dc min</b>	15 V DC
<b>Pressure rise</b>	$\leq 1$ bar/ms
<b>Switching time</b>	$< 4$ ms
<b>Switching point adjustment range</b>	2..100 % of adjustment range(full scale) nominal pressure, set from outside using set screw
<b>Weight</b>	240 g

## SAFETY & APPROVALS

<b>IP class</b>	IP67
<b>Hysteresis</b>	2...95% full scale, programmable at factory (maximum tolerance $\pm 1.0\%$ of adjustment range nominal pressure)
<b>Shock resistance</b>	294m / s <sup>2</sup> ; 14 ms half sinusoidal wave; DIN EN 60068-2-27
<b>Vibration resistance</b>	10g: 4-2000 Hz sine wave, DIN EN 60068-2-6
<b>EMC</b>	EMC 2014/30/EU; EN 61000-6-2:2005; EN 61000-6-3:2007
<b>Accuracy</b>	$\pm 0.5$ % of adjustment range (Full scale) at room temperature
<b>Long term stability</b>	$\pm 0.1$ % of adjustment range (full scale) per year
<b>Mechanical life expectancy</b>	5,000,000 pulsations at rise rates to 1,000 bar/s nominal pressure
<b>Repeatability</b>	$\pm 0.1$ % of adjustment range (full scale) nominal pressure