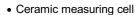
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SUCO - 0520 ELECTRONIC PRESSURE SWITCH

0520470143001 Normally Open, 0 - 10 bar, G 1/4 – female thread, FKM, DIN EN 175301-803-A



- 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 liftetime 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	DIN EN 175301-803-A
Process connection	G1/4 female
Function	Normally open (SPST)
Output	PNP
Burst pressure	25 bar
Pressure max	20 bar

TEMPERATURE & MATERIALS DATA

Temperature of media from	-20 °C
Temperature of media to	125 °C
Temperature ambient from	-30 °C
Temperature ambient to	80 °C



Material of body	Zinc-plated steel
Material of wetted parts	Zinc-plated steel, FKM
Material membrane	FKM
ADDITIONAL DATA	
Supply voltage dc max	36 V DC
Supply voltage dc min	15 V DC
Pressure rise	≤ 1 bar/ms
Switching time	< 4 ms
Switching point adjustment range	2100 % of adjustment range(full scale) nominal pressure, set from outside using set screw
Weight	240 g
SAFETY & APPROVALS	
IP class	IP65
Hysteresis	295% full scale, programmable at factory (maximum tolerance ±1.0% of adjustment range nominal pressure)
Shock resistance	294m / s²; 14 ms half sinusoidal wave; DIN EN 60068-2-27
Vibration resistance	10g: 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

Repeatability

5,000,000 pulsations at rise rates to 1,000 bar/s nominal pressure

 $\pm 0.1~\%$ of adjustment range (full scale) nominal pressure