



## SUCO 0531 ELECTRONIC PRESSURE SWITCH

053110141B002  
PNP output (High Side), NC, 0-10 Bar, G 1/4 – DIN EN  
ISO 1179-2, M12 - DIN EN 61076-2-101-A

- One Switching Output
- Stainless Steel & Titanium Wetted Parts
- Silicon-On-Sapphire Technology
- Factory Set



### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### GENERAL DATA

Electrical connection	M12x1
Output	PNP
Function	Normally Closed (SPST)
Adjustment range min	0 bar
Pressure max	40 bar
Burst pressure	80 bar
Adjustment range max	10 bar
Process connection	G1/4

#### TEMPERATURE & MATERIALS DATA

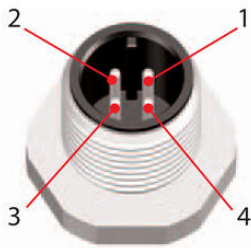
Temperature ambient to	100 °C
Material of wetted parts	Stainless steel 1.4305, Titanium
Temperature of media from	-40 °C
Temperature ambient from	-40 °C
Temperature of media to	125 °C
Material of body	Stainless steel 1.4305

## ADDITIONAL DATA

Switching point adjustment range	2 ... 100 % of the nominal pressure range Full Scale (FS), programmable at factory
Weight	80 g
Switching time	< 2 ms
Supply voltage dc max	32 V DC
Supply voltage dc min	9,6 V DC
Pressure rise	≤ 5,000 bar/s

## SAFETY & APPROVALS

IP class	IP67
Vibration resistance	20g: 4..2000 Hz sine wave, DIN EN 60068-2-6
Hysteresis	2..99.8% of nominal pressure range (full scale), programmable at factory
Repeatability	±0.1 % full scale
Accuracy	±0.5 % of adjustment range (Full scale) at room temperature
EMC	EMC 2014/30/EU, EN 61000-6-2:2005, EN 61000-6-3:2007
Mechanical life expectancy	10,000,000 switching cycles at rise rates to 5,000 bar/s nominal pressure
Long term stability	±0.1 % of adjustment range (full scale) per year
Shock resistance	500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27



Pin 1	Uv+
Pin 2	nc
Pin 3	Gnd
Pin 4	Out

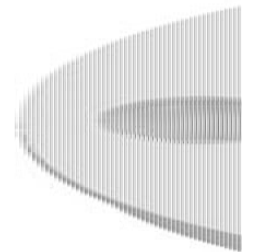
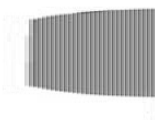


Fig. 221

### Connection diagrams



Fig. 222



Fig. 223

Technical modifications and errors excepted.

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no 221

**Connection diagrams**



No program opening on each connector 10/12 20/26 30/38



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