

**SUCO 0541 ELECTRONIC PRESSURE SWITCH**

054125242B004  
PNP output (High Side), NC / NC, 0-250 Bar, M14x1.5  
– DIN EN ISO 9974-2, Bayonet ISO 15170-A1-4.1

**PRODUCT DESCRIPTION****TECHNICAL DATA****GENERAL DATA**

Adjustment range max	250 bar
Adjustment range min	0 bar
Process connection	M14x1.5
Function	2 x N/C
Output	2 x PNP
Burst pressure	2000 bar
Pressure max	1000 bar

**TEMPERATURE & MATERIALS DATA**

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

**ADDITIONAL DATA**

<b>Supply voltage dc max</b>	32 V DC
<b>Supply voltage dc min</b>	9.6 V DC
<b>Pressure rise</b>	≤ 5,000 bar/s
<b>Switching time</b>	< 2 ms
<b>Switching point adjustment range</b>	2 ... 100 % of the nominal pressure range (Full Scale, FS), programmable at factory
<b>Weight</b>	80 g

## SAFETY & APPROVALS

<b>IP class</b>	IP67, IP6K9K
<b>Hysteresis</b>	0.2...99.8 % of the nominal pressure range (Full Scale), programmable at factory
<b>Shock resistance</b>	500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27
<b>Vibration resistance</b>	20g: 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>	±0.5 % of the nominal pressure range (FS) at room temperature
<b>Long term stability</b>	±0.1 % of adjustment range (full scale) per year
<b>Mechanical life expectancy</b>	10,000,000 switching cycles at rise rates to 5,000 bar/s nominal pressure
<b>Repeatability</b>	±0.1 % full scale

