



SUCO 0541 ELECTRONIC PRESSURE SWITCH

054110141B002
PNP output (High Side), NC / NC, 0-10 Bar, G 1/4 –
DIN EN ISO 1179-2, M12 - DIN EN 61076-2-101-A



PRODUCT DESCRIPTION

TECHNICAL DATA

GENERAL DATA

Electrical connection	M12x1
Output	2 x PNP
Function	2 x N/C
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	0.2...99.8 % of the nominal pressure range (Full Scale), programmable at factory
Repeatability	±0.1 % full scale
Accuracy	±0.5 % of the nominal pressure range (FS) 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 ² ; 11 ms half sine wave; DIN EN 60068-2-27

