



SUCO 0531 ELECTRONIC PRESSURE SWITCH

053110142B002
PNP output (High Side), NC, 0-10 Bar, M14x1.5 – DIN
EN ISO 9974-2, 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

Adjustment range max	10 bar
Adjustment range min	0 bar
Electrical connection	M12x1
Process connection	M14x1.5
Function	Normally Closed (SPST)
Output	PNP
Burst pressure	80 bar
Pressure max	40 bar

TEMPERATURE & MATERIALS DATA

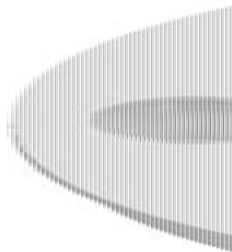
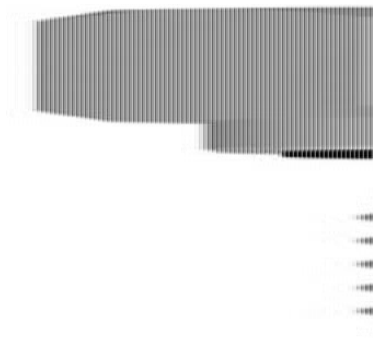
Temperature of media from	-40 °C
Temperature of media to	125 °C
Temperature ambient from	-40 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	Stainless steel 1.4305, Titanium

ADDITIONAL DATA

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

SAFETY & APPROVALS

IP class	IP67
Hysteresis	2..99.8% of nominal pressure range (full scale), programmable at factory
Shock resistance	500m / s²; 11 ms half sine wave; DIN EN 60068-2-27
Vibration resistance	20g; 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	10,000,000 switching cycles at rise rates to 5,000 bar/s nominal pressure
Repeatability	±0.1 % full scale



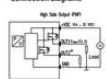
DIN EN 175301-803-A	M 12 - DIN EN 61076-2-101-A	ISO 15170-A1-A1	AMP Supersaal																																								
																																											
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φ = 10 mm	φ = 10 mm	φ = 12 mm																										
Order number: 008	Order number: 010	Order number: 011																										

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Connection diagrams



Pin assignment diagram in each connector



Pin assignment diagram in each connector

Technical modifications and errors excepted.

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