



SUCO 0532 ELECTRONIC PRESSURE SWITCH

053210141B013

NPN output (Low Side), NO, 0-10 Bar, G 1/4 – DIN EN ISO 1179-2, DIN EN 175301-803-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	DIN EN 175301-803-A
Process connection	G1/4
Function	Normally open
Output	NPN
Burst pressure	80 bar
Pressure max	40 bar

TEMPERATURE & MATERIALS DATA

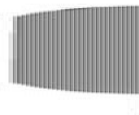
Temperature of media from	-40 °C
Temperature of media to	125 °C
Temperature ambient from	-40 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	Stainless steel 1.4305, Titanium

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	110 g

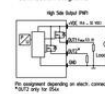
SAFETY & APPROVALS

IP class	IP65
Hysteresis	2..99.8% of nominal pressure range (full scale), programmable at factory
Shock resistance	500 m/s ² ; 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

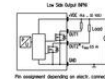


Item 221

Connection diagrams



Pin assignment depending on each connection



Pin assignment depending on each connection

Technical modifications and errors excepted.

DIN EN 57535-803-A	M 12 - DIN EN 6176-3-803-A	ISO 15170-A1-A1	AMP Superseal																																																																								
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<p>IP67</p> <p>• 60/70 mm²</p> <p>• Ø 30 mm</p> <p>Order number: 003</p>	<p>IP67</p> <p>• 54 mm</p> <p>• Ø 22 mm</p> <p>Order number: 002</p>	<p>IP67</p> <p>• 65 mm min</p> <p>• Ø 27 mm</p> <p>Order number: 004</p>	<p>IP67</p> <p>• 71 mm</p> <p>• Ø 28 mm</p> <p>Order number: 007</p>																																																																								

DEUTSCH DT04-4P	DEUTSCH DT04-3P	Cable connection																												
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<p>IP67</p> <p>• 58 mm</p> <p>• Ø 22 mm</p> <p>Order number: 008</p>	<p>IP67</p> <p>• 58 mm</p> <p>• Ø 22 mm</p> <p>Order number: 010</p>	<p>IP67</p> <p>• 68 mm</p> <p>• 10 mm fixed length</p> <p>• cable length - 2 m</p> <p>• Ø 22 mm</p> <p>Order number: 011</p>																												

Thread code: 01	Thread code: 02	Thread code: 03	Thread code: 04
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