



SUCO 0532 ELECTRONIC PRESSURE SWITCH

053225209B011

NPN output (Low Side), NO, 0-250 Bar, NPT 1/4, Cable connection

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



PRODUCT DESCRIPTION

TECHNICAL DATA

GENERAL DATA

Adjustment range max	250 bar
Adjustment range min	0 bar
Electrical connection	Embedded 2m cable
Process connection	1/4 NPT
Function	Normally open (SPST)
Output	NPN
Burst pressure	2000 bar
Pressure max	1000 bar

TEMPERATURE & MATERIALS DATA

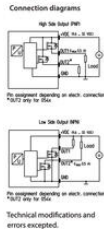
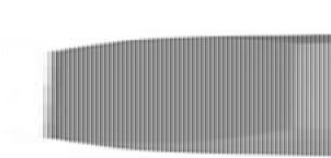
Temperature of media from	-40 °C
Temperature of media to	125 °C
Temperature ambient from	-40 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	Stainless steel 1.4305, Titanium

ADDITIONAL DATA

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	135 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 175305-803-A

Pin Assignment

Pin	Assignment
1	Out
2	Out
3	Out
4	Out

Order number: 001

M 12 - DIN EN 41576-2-101-A

Pin Assignment

Pin	Assignment
1	Out
2	Out
3	Out
4	Out

Order number: 002

ISO 15170-A1-A1

Pin Assignment

Pin	Assignment
1	Out
2	Out
3	Out
4	Out

Order number: 003

AMP Superseal

Pin Assignment

Pin	Assignment
1	Out
2	Out
3	Out
4	Out

Order number: 007

DEUTSCH DT04-4P

Pin Assignment

Pin	Assignment
1	Out
2	Out
3	Out
4	Out

Order number: 004

DEUTSCH DT04-3P

Pin Assignment

Pin	Assignment
1	Out
2	Out
3	Out

Order number: 005

Cable connection

Order number: 006

Thread code 01

Order number: 007

Thread code 02

Order number: 008

Thread code 03

Order number: 009

Thread code 04

Order number: 010

Thread code 05

Order number: 011

Thread code 06

Order number: 012

Thread code 07

Order number: 013

Thread code 08

Order number: 014

Thread code 09

Order number: 015

Thread code 10

Order number: 016

Thread code 11

Order number: 017

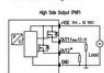
Thread code 12

Order number: 018

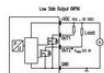


haz 221

Connection diagrams



Do not connect directly to each connector
NUT only for 0630



Do not connect directly to each connector
NUT only for 0630

Technical modifications and errors excepted.

DN EN 175301-803-A	M 12 - DIN EN 61076-2-001 A	ISO 15715-A1-4-1	AMP Superseal																																						
<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>U_{ref}</td></tr><tr><td>2</td><td>Out</td></tr><tr><td>3</td><td>Out</td></tr><tr><td>4</td><td>Out</td></tr></table>	Pin	Assignment	1	U _{ref}	2	Out	3	Out	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>U_{ref}</td></tr><tr><td>2</td><td>in</td></tr><tr><td>3</td><td>Out</td></tr><tr><td>4</td><td>Out</td></tr></table>	Pin	Assignment	1	U _{ref}	2	in	3	Out	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>U_{ref}</td></tr><tr><td>2</td><td>in</td></tr><tr><td>3</td><td>Out</td></tr><tr><td>4</td><td>Out</td></tr></table>	Pin	Assignment	1	U _{ref}	2	in	3	Out	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Out</td></tr><tr><td>2</td><td>Out</td></tr><tr><td>3</td><td>U_{ref}</td></tr></table>	Pin	Assignment	1	Out	2	Out	3	U _{ref}
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IP67	IP67	IP67	IP67																																						
• 60 / 70 mm ²	• 54 mm	• 65 mm	• 71 mm																																						
• Ø 10 mm	• Ø 11 mm	• Ø 11 mm	• Ø 16 mm																																						
Order number: 001	Order number: 002	Order number: 004	Order number: 003																																						
* without copper braid = 10 mm																																									
DEUTSCH DT04-4P	DEUTSCH DT04-3P	Cable connection																																							
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IP67	IP67	IP67																																							
• 38 mm	• 38 mm	• 64 mm																																							
• Ø 11 mm	• Ø 11 mm	in 20 mm band adjust cable length = 2 m																																							
Order number: 008	Order number: 009	Order number: 011																																							
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