



SUCO 0532 ELECTRONIC PRESSURE SWITCH

053225130B011

NPN output (Low Side), NO, 0-25 Bar, M10x1 zyl. DIN 3852-A, 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	25 bar
Adjustment range min	0 bar
Electrical connection	Embedded 2m cable
Process connection	M10x1
Function	Normally open (SPST)
Output	NPN
Burst pressure	200 bar
Pressure max	100 bar

TEMPERATURE & MATERIALS DATA

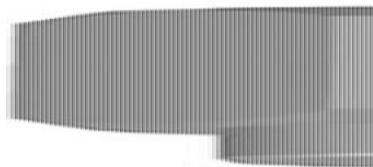
Temperature of media from	-40 °C
Temperature of media to	125 °C
Temperature ambient from	-40 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	Stainless steel 1.4305, Titanium

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

1	Common
2	Output
3	Ground
4	Output

Order number: 001

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

Pin Assignment

1	Common
2	Output
3	Ground
4	Output

Order number: 002

ISO 15170-A1-A1

Pin Assignment

1	Common
2	Output
3	Ground
4	Output

Order number: 003

AMP Superseal

Pin Assignment

1	Common
2	Output
3	Ground
4	Output

Order number: 004

DEUTSCH DT04-4P

Pin Assignment

1	Common
2	Output
3	Ground
4	Output

Order number: 005

DEUTSCH DT04-3P

Pin Assignment

1	Common
2	Output
3	Ground

Order number: 006

Cable connection

Pin Assignment

1	Common
2	Output
3	Ground
4	Output

Order number: 007

Thread code 01

Thread code 02

Thread code 03

Thread code 04

Thread code 05

Thread code 06

Thread code 07

Thread code 08

Thread code 09

Thread code 10

Thread code 11

Thread code 12

Thread code 13

Thread code 14

Thread code 15

Thread code 16

Thread code 17

Thread code 18

Thread code 19

Thread code 20

Thread code 21

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Thread code 97

Thread code 98

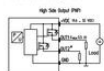
Thread code 99

Thread code 100

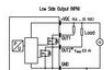


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Connection diagrams



Do not connect directly to each connector
Vcc 2 only for 0-5V



Do not connect directly to each connector
Vcc 2 only for 0-5V

Technical modifications and errors excepted.

DN EN 175301-803-A	M 12 - DN EN 61076-3-001 A	ISO 15715-A1-4-1	AMP Superseal																																								
																																											
<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Vcc</td></tr><tr><td>2</td><td>Out</td></tr><tr><td>3</td><td>Gnd</td></tr><tr><td>4</td><td>Out</td></tr></table> IP67 • 60 / 70 mm² • Ø 10 mm Order number: 001 * without copper shield - 15 mm	Pin	Assignment	1	Vcc	2	Out	3	Gnd	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Vcc</td></tr><tr><td>2</td><td>In</td></tr><tr><td>3</td><td>Gnd</td></tr><tr><td>4</td><td>Out</td></tr></table> IP67 • 54 mm • Ø 11 mm Order number: 002	Pin	Assignment	1	Vcc	2	In	3	Gnd	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Vcc</td></tr><tr><td>2</td><td>In</td></tr><tr><td>3</td><td>Gnd</td></tr><tr><td>4</td><td>Out</td></tr></table> IP67 • 65 mm • Ø 11 mm Order number: 004	Pin	Assignment	1	Vcc	2	In	3	Gnd	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Out</td></tr><tr><td>2</td><td>Gnd</td></tr><tr><td>3</td><td>Vcc</td></tr><tr><td>4</td><td>Vcc</td></tr></table> IP67 • 71 mm • Ø 16 mm Order number: 003	Pin	Assignment	1	Out	2	Gnd	3	Vcc	4	Vcc
Pin	Assignment																																										
1	Vcc																																										
2	Out																																										
3	Gnd																																										
4	Out																																										
Pin	Assignment																																										
1	Vcc																																										
2	In																																										
3	Gnd																																										
4	Out																																										
Pin	Assignment																																										
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Pin	Assignment																																										
1	Gnd																																										
2	Vcc																																										
3	Vcc																																										
4	Out																																										
Pin	Assignment																																										
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B	Gnd																																										
C	Out																																										
Color	Assignment																																										
Red	Vcc																																										
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