



SUCO 0532 ELECTRONIC PRESSURE SWITCH

053225104B011

NPN output (Low Side), NO, 0-25 Bar, NPT 1/8, 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	1/8 NPT
Function	Normally open (SPST)
Output	NPN
Burst pressure	200 bar
Pressure max	100 bar

TEMPERATURE & MATERIALS DATA

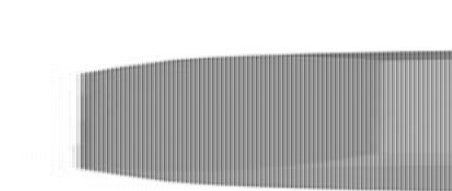
Temperature of media from	-40 °C
Temperature of media to	125 °C
Temperature ambient from	-40 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	Stainless steel 1.4305, Titanium

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 / 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



DIN EN 175305-803-A

Pin	Assignment
1	Ctrl
2	Out
3	Ctrl
4	Out

PS

IP67

• = 10 mm

• = 10 mm

Order number: 001

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

Pin	Assignment
1	Ctrl
2	Out
3	Ctrl
4	Out

IP67

• = 10 mm

• = 10 mm

Order number: 002

ISO 15170-A1-A1

Pin	Assignment
1	Ctrl
2	Out
3	Ctrl
4	Out

IP67

• = 10 mm

• = 10 mm

Order number: 003

AMP Superseal

Pin	Assignment
1	Ctrl
2	Out
3	Ctrl
4	Out

IP67

• = 10 mm

• = 10 mm

Order number: 007

DEUTSCH DT04-4P

Pin	Assignment
1	Ctrl
2	Out
3	Ctrl
4	Out

IP67

• = 10 mm

• = 10 mm

Order number: 004

DEUTSCH DT04-3P

Pin	Assignment
1	Ctrl
2	Out
3	Ctrl

IP67

• = 10 mm

• = 10 mm

Order number: 005

Cable connection

Cable	Assignment
1	Ctrl
2	Out
3	Ctrl
4	Out

IP67

• = 10 mm

• = 10 mm

Order number: 006

Thread code: 01

Thread code: 02

Thread code: 03

Thread code: 04

Thread code: 05

Thread code: 06

Thread code: 07

Thread code: 08

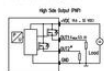
Thread code: 09

Thread code: 10

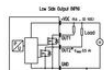


haz 221

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 <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 φ = 10 mm φ = 10 mm Order number: 001 * without copper shield 4P - 15 mm	Pin	Assignment	1	Vcc	2	Out	3	Gnd	4	Out	M 12 - DN EN 61076-2-001 A <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 × = 54 mm φ = 10 mm Order number: 002	Pin	Assignment	1	Vcc	2	Out	3	Gnd	4	Out	ISO 15175-A1-4-1 <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 × = 65 mm φ = 10 mm Order number: 004	Pin	Assignment	1	Vcc	2	Out	3	Gnd	4	Out	AMP Superseal <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>Out</td></tr></table> IP67 × = 73 mm φ = 10 mm Order number: 003	Pin	Assignment	1	Out	2	Gnd	3	Vcc	4	Out
Pin	Assignment																																										
1	Vcc																																										
2	Out																																										
3	Gnd																																										
4	Out																																										
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DEUTSCH DT04-4P <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Gnd</td></tr><tr><td>2</td><td>Vcc</td></tr><tr><td>3</td><td>Vcc</td></tr><tr><td>4</td><td>Out</td></tr></table> IP67 × = 38 mm φ = 10 mm Order number: 008	Pin	Assignment	1	Gnd	2	Vcc	3	Vcc	4	Out	DEUTSCH DT04-3P <table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>A</td><td>Vcc</td></tr><tr><td>B</td><td>Gnd</td></tr><tr><td>C</td><td>Out</td></tr></table> IP67 × = 38 mm φ = 10 mm Order number: 009	Pin	Assignment	A	Vcc	B	Gnd	C	Out	Cable connection <table><tr><th>Color</th><th>Assignment</th></tr><tr><td>Red</td><td>Vcc</td></tr><tr><td>White</td><td>Out</td></tr><tr><td>Black</td><td>Gnd</td></tr></table> IP67 × = 64 mm 10-20 mm band width cable length = 2 m φ = 10 mm Order number: 011	Color	Assignment	Red	Vcc	White	Out	Black	Gnd															
Pin	Assignment																																										
1	Gnd																																										
2	Vcc																																										
3	Vcc																																										
4	Out																																										
Pin	Assignment																																										
A	Vcc																																										
B	Gnd																																										
C	Out																																										
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