



SUCO 0531 ELECTRONIC PRESSURE SWITCH

053110121B011

PNP output (High Side), NC, 0-10 Bar, 9/16 – 18 UNF,
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	10 bar
Adjustment range min	0 bar
Electrical connection	Embedded 2m cable
Process connection	9/16-18UNF
Function	Normally Closed (SPST)
Output	PNP
Burst pressure	80 bar
Pressure max	40 bar

TEMPERATURE & MATERIALS DATA

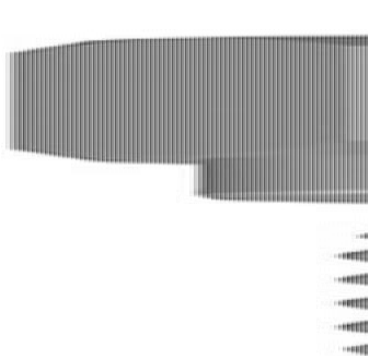
Temperature of media from	-40 °C
Temperature of media to	125 °C
Temperature ambient from	-40 °C
Temperature ambient to	100 °C
Material of body	Stainless steel 1.4305
Material of wetted parts	Stainless steel 1.4305, Titanium

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	135 g

SAFETY & APPROVALS

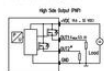
IP class	IP67
Hysteresis	2..99.8% of nominal pressure range (full scale), programmable at factory
Shock resistance	500m / s²; 11 ms half sine wave; DIN EN 60068-2-27
Vibration resistance	20g; 4..2000 Hz sine wave, DIN EN 60068-2-6
EMC	EMC 2014/30/EU, EN 61000-6-2:2005, EN 61000-6-3:2007
Accuracy	±0.5 % 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



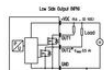


haz 221

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 - DN 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>Line</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	Line	2	Out	3	Out	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Line</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	Line	2	in	3	Out	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Line</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	Line	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>Line</td></tr><tr><td>4</td><td>Line</td></tr></table>	Pin	Assignment	1	Out	2	Out	3	Line	4	Line
Pin	Assignment																																										
1	Line																																										
2	Out																																										
3	Out																																										
4	Out																																										
Pin	Assignment																																										
1	Line																																										
2	in																																										
3	Out																																										
4	Out																																										
Pin	Assignment																																										
1	Line																																										
2	in																																										
3	Out																																										
4	Out																																										
Pin	Assignment																																										
1	Out																																										
2	Out																																										
3	Line																																										
4	Line																																										
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: 007																																								
* without copper shield 4P - 15 mm																																											
DEUTSCH DT04-4P	DEUTSCH DT04-3P	Cable connection																																									
																																											
<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>1</td><td>Out</td></tr><tr><td>2</td><td>Line</td></tr><tr><td>3</td><td>Line</td></tr><tr><td>4</td><td>Out</td></tr></table>	Pin	Assignment	1	Out	2	Line	3	Line	4	Out	<table><tr><th>Pin</th><th>Assignment</th></tr><tr><td>A</td><td>Line</td></tr><tr><td>B</td><td>Out</td></tr><tr><td>C</td><td>Out</td></tr></table>	Pin	Assignment	A	Line	B	Out	C	Out	<table><tr><th>Color</th><th>Assignment</th></tr><tr><td>red</td><td>Line</td></tr><tr><td>white</td><td>Out</td></tr><tr><td>black</td><td>Out</td></tr></table>	Color	Assignment	red	Line	white	Out	black	Out															
Pin	Assignment																																										
1	Out																																										
2	Line																																										
3	Line																																										
4	Out																																										
Pin	Assignment																																										
A	Line																																										
B	Out																																										
C	Out																																										
Color	Assignment																																										
red	Line																																										
white	Out																																										
black	Out																																										
IP67	IP67	IP67																																									
• 38 mm	• 38 mm	• 64 mm																																									
• Ø 11 mm	• Ø 11 mm	• 20 mm band width																																									
Order number: 008	Order number: 009	• cable length = 2 m																																									
		• Ø 11 mm																																									
Order number: 011																																											
																																											
Thread code: 01	Thread code: 02	Thread code: 03	Thread code: 04																																								
																																											
Thread code: 05	Thread code: 06	Thread code: 07	Thread code: 08																																								