



## SUCO 0532 ELECTRONIC PRESSURE SWITCH

053225220B011

NPN output (Low Side), NO, 0-250 Bar, 7/16 – 20 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  | 250 bar              |
| Adjustment range min  | 0 bar                |
| Electrical connection | Embedded 2m cable    |
| 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 |

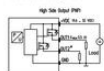
### ADDITIONAL DATA



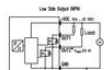


haz 221

#### 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.

| <b>DN EN 175301-803-A</b><br><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> <p>IP67<br/>Φ = 60 / 70 mm<sup>2</sup><br/>Φ = 10 mm<br/>Φ = 10 mm<br/><b>Order number: 001</b></p> <p>* without copper shield 4P - 10 mm</p> | Pin                    | Assignment             | 1                      | Vcc | 2 | Out | 3 | Gnd | 4 | Out | <b>M 12 - DN EN 61076-2-001 A</b><br><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> <p>IP67<br/>Φ = 54 mm<br/>Φ = 10 mm<br/><b>Order number: 002</b></p> | Pin | Assignment | 1 | Vcc | 2 | In  | 3 | Gnd | 4                                                                                                                                                                                                                                                                                                               | Out   | <b>ISO 15715-A1-4-1</b><br><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> <p>IP67<br/>Φ = 65 mm<br/>Φ = 10 mm<br/><b>Order number: 004</b></p> | Pin | Assignment | 1     | Vcc | 2     | In  | 3 | Gnd | 4 | Out | <b>AMP Superseal</b><br><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> <p>IP67<br/>Φ = 73 mm<br/>Φ = 10 mm<br/><b>Order number: 003</b></p> | Pin | Assignment | 1 | Out | 2 | Gnd | 3 | Vcc | 4 | Out |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|-----|---|-----|---|-----|---|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|-------|-----|-------|-----|---|-----|---|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------|---|-----|---|-----|---|-----|---|-----|
| Pin                                                                                                                                                                                                                                                                                                                                                            | Assignment             |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 1                                                                                                                                                                                                                                                                                                                                                              | Vcc                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 2                                                                                                                                                                                                                                                                                                                                                              | Out                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 3                                                                                                                                                                                                                                                                                                                                                              | Gnd                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
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| 2                                                                                                                                                                                                                                                                                                                                                              | In                     |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 3                                                                                                                                                                                                                                                                                                                                                              | Gnd                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 4                                                                                                                                                                                                                                                                                                                                                              | Out                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| Pin                                                                                                                                                                                                                                                                                                                                                            | Assignment             |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 1                                                                                                                                                                                                                                                                                                                                                              | Out                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 2                                                                                                                                                                                                                                                                                                                                                              | Gnd                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 3                                                                                                                                                                                                                                                                                                                                                              | Vcc                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 4                                                                                                                                                                                                                                                                                                                                                              | Out                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| <b>DEUTSCH DT04-4P</b><br><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> <p>IP67<br/>Φ = 38 mm<br/>Φ = 10 mm<br/><b>Order number: 008</b></p>                                                                             | Pin                    | Assignment             | 1                      | Gnd | 2 | Vcc | 3 | Vcc | 4 | Out | <b>DEUTSCH DT04-3P</b><br><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> <p>IP67<br/>Φ = 38 mm<br/>Φ = 10 mm<br/><b>Order number: 009</b></p>                                          | Pin | Assignment | A | Vcc | B | Gnd | C | Out | <b>Cable connection</b><br><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> <p>IP67<br/>Φ = 64 mm<br/>10-20 mm band width<br/>cable length = 2 m<br/>Φ = 10 mm<br/><b>Order number: 011</b></p> | Color | Assignment                                                                                                                                                                                                                                                                         | Red | Vcc        | White | Out | Black | Gnd |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| Pin                                                                                                                                                                                                                                                                                                                                                            | Assignment             |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
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| 3                                                                                                                                                                                                                                                                                                                                                              | Vcc                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| 4                                                                                                                                                                                                                                                                                                                                                              | Out                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
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| A                                                                                                                                                                                                                                                                                                                                                              | Vcc                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| B                                                                                                                                                                                                                                                                                                                                                              | Gnd                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| C                                                                                                                                                                                                                                                                                                                                                              | Out                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| Color                                                                                                                                                                                                                                                                                                                                                          | Assignment             |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| Red                                                                                                                                                                                                                                                                                                                                                            | Vcc                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| White                                                                                                                                                                                                                                                                                                                                                          | Out                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| Black                                                                                                                                                                                                                                                                                                                                                          | Gnd                    |                        |                        |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| <b>Thread code: 01</b>                                                                                                                                                                                                                                                                                                                                         | <b>Thread code: 02</b> | <b>Thread code: 03</b> | <b>Thread code: 04</b> |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |
| <b>Thread code: 05</b>                                                                                                                                                                                                                                                                                                                                         | <b>Thread code: 06</b> | <b>Thread code: 07</b> | <b>Thread code: 08</b> |     |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                              |     |            |   |     |   |     |   |     |                                                                                                                                                                                                                                                                                                                 |       |                                                                                                                                                                                                                                                                                    |     |            |       |     |       |     |   |     |   |     |                                                                                                                                                                                                                                                                                  |     |            |   |     |   |     |   |     |   |     |