



## SUCO 0544 ELECTRONIC PRESSURE SWITCH

054410221B004  
NPN output (Low Side), NO / NO, 0-100 Bar, 9/16 – 18  
UNF, Bayonet



### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### GENERAL DATA

|                      |            |
|----------------------|------------|
| Adjustment range max | 100 bar    |
| Adjustment range min | 0 bar      |
| Process connection   | 9/16-18UNF |
| Function             | 2 x N/O    |
| Output               | 2 x NPN    |
| Burst pressure       | 800 bar    |
| Pressure max         | 400 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

|                                         |                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------|
| <b>Supply voltage dc max</b>            | 32 V DC                                                                             |
| <b>Supply voltage dc min</b>            | 9.6 V DC                                                                            |
| <b>Pressure rise</b>                    | ≤ 5,000 bar/s                                                                       |
| <b>Switching time</b>                   | < 2 ms                                                                              |
| <b>Switching point adjustment range</b> | 2 ... 100 % of the nominal pressure range (Full Scale, FS), programmable at factory |
| <b>Weight</b>                           | 80 g                                                                                |

## SAFETY & APPROVALS

|                                   |                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------------|
| <b>IP class</b>                   | IP67, IP6K9K                                                                     |
| <b>Hysteresis</b>                 | 0.2...99.8 % of the nominal pressure range (Full Scale), programmable at factory |
| <b>Shock resistance</b>           | 500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27                  |
| <b>Vibration resistance</b>       | 20g: 4..2000 Hz sine wave, DIN EN 60068-2-6                                      |
| <b>EMC</b>                        | EMC 2014/30/EU, EN 61000-6-2:2005, EN 61000-6-3:2007                             |
| <b>Accuracy</b>                   | ±0.5 % of the nominal pressure range (FS) at room temperature                    |
| <b>Long term stability</b>        | ±0.1 % of adjustment range (full scale) per year                                 |
| <b>Mechanical life expectancy</b> | 10,000,000 switching cycles at rise rates to 5,000 bar/s nominal pressure        |
| <b>Repeatability</b>              | ±0.1 % full scale                                                                |

