



## SUCO 0541 ELECTRONIC PRESSURE SWITCH

054110109B008  
PNP output (High Side), NC / NC, 0-10 Bar, NPT 1/4,  
Deutsch DT04-4P



### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### GENERAL DATA

|                       |                 |
|-----------------------|-----------------|
| Adjustment range max  | 10 bar          |
| Adjustment range min  | 0 bar           |
| Electrical connection | Deutsch DT04-4P |
| Process connection    | 1/4 NPT         |
| Function              | 2 x N/C         |
| Output                | 2 x 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                    | $\leq 5,000$ bar/s                                                                  |
| Switching time                   | $< 2$ ms                                                                            |
| Switching point adjustment range | 2 ... 100 % of the nominal pressure range (Full Scale, FS), programmable at factory |
| Weight                           | 80 g                                                                                |

## SAFETY & APPROVALS

|                            |                                                                                  |
|----------------------------|----------------------------------------------------------------------------------|
| IP class                   | IP67, IP6K9K                                                                     |
| Hysteresis                 | 0.2...99.8 % of the nominal pressure range (Full Scale), programmable at factory |
| Shock resistance           | 500m / s <sup>2</sup> ; 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                   | $\pm 0.5$ % of the nominal pressure range (FS) at room temperature               |
| Long term stability        | $\pm 0.1$ % 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              | $\pm 0.1$ % full scale                                                           |

