## SUCO - 0601/0602 PRESSURE SENSOR

Performance series

0601161411007 0-10V, 0..16 bar, G1/4-E, NBR, AMP Superseal 1.5®

- Measuring range up to 100 bar
- Ceramic sensor
- Small and compact
- Stainless steel housing





## PRODUCT DESCRIPTION

The SUCO 0601/0602 performance series pressure sensor is a small, compact and cost effective pressure monitoring solution. Offering six standard pressure ranges with options of four different electrical connectors a thread of G1/4 and 0-10V or 4-20mA outputs. The 06 series uses a ceramic sensor in thick film technology which is housed in a stainless steel body.

Common applications include mobile hydraulics and power packs.

## **TECHNICAL DATA**

| Accuracy                   | ±1% FS                               |
|----------------------------|--------------------------------------|
| Burst pressure             | 60 bar                               |
| Connection                 | G1/4-E                               |
| Electrical connection      | AMP Superseal                        |
| IP class                   | IP67                                 |
| Long term stability        | ±0.3% FS p.a.                        |
| Material of body           | Stainless steel 1.4305               |
| Material of wetted parts   | Stainless steel 1.4305, Ceramic, NBR |
| Mechanical life expectancy | 5 million cycles                     |
| Overpressure protection    | 40 bar                               |
|                            |                                      |
| Pressure range max         | 16 bar                               |

| Pressure reference        | Gauge   |
|---------------------------|---|
| Pressure rise             | 1 bar/ms  |
| Repeatability             | ±0.1% FS  |
| Response time             | 2 ms  |
| Shock resistance          | "500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27" |
| Signal type               | 0-10 V  |
| Supply voltage dc max     | 32 V DC   |
| Supply voltage dc min     | 11 V DC   |
| Temperature ambient from  | -30 °C  |
| Temperature ambient to    | 100 °C  |
| Temperature error         | ±0.04% FS/°C  |
| Temperature of media from | -30 °C  |
| Temperature of media to   | 100 °C  |
| Weight                    | 80 g  |
| Vibration resistance      | 20g: 42000 Hz sine wave, DIN EN 60068-2-6                         |



| DIN EN 175301-803-A |                              | M 12 - DIN EN 61076-2-101 A |                   |                  | ISO 15170-A1-4.1 |                   |                    |                  |
|---------------------|------------------------------|-----------------------------|-------------------|------------------|------------------|-------------------|--------------------|------------------|
| -                   |                              | M 2 3                       | 2                 | 0                | L                | 1                 | $\overline{\cdot}$ |                  |
| Pin                 | 0601                         | 0602                        | Pin               | 0601             | 0602             | Pin               | 0601               | 0602             |
| AL .                | Uv+                          | Uve                         | 1                 | Uv+              | Uve              | 1                 | Uve                | UV4              |
| 2                   | Gnd                          | ture .                      | 2                 | Une              | nc*              | 2                 | Gnd                | ric*             |
| 3                   | Um                           | nc*                         | 3                 | Gnd              | L <sub>ad</sub>  | . 2               | Unit               | l <sub>int</sub> |
|                     |                              | -                           | - 4               | nc*              | DC*              | 4                 | nc*                | nc*              |
| 1P65                |                              |                             | IP67              |                  |                  | IP67, IP6K9K      |                    |                  |
|                     | nm without co<br>mm with cou |                             |                   | <b>x</b> = 54 mm |                  |                   | <b>x</b> - 56 mm   | 10               |
| Order number: 013   |                              |                             | Order number: 002 |                  |                  | Order number: 004 |                    |                  |
| AMP                 | Supersea                     | 11.5*                       | De                | utsch DT0-       | 4-3P             |                   |                    |                  |
| 5                   | -                            | 1                           |                   |                  |                  |                   |                    |                  |
|                     |                              |                             | 1                 | 40               |                  |                   |                    |                  |
| C.                  |                              | 1                           |                   | U                | -                |                   |                    |                  |
| Pin                 | 0601                         | 0602                        | Pin               | 0601             | 0602             |                   |                    |                  |
| 1                   | Uput                         | 00*                         | A                 | Uv+              | Liv+             |                   |                    |                  |
| 2                   | Gnd                          | lue                         | 8                 | Gnd              | nc*              |                   |                    |                  |
| 3                   | Uhre                         | Uve                         | C .               | Ume              | - Unit           |                   |                    |                  |

**x** - 61 mm

Order number: 010

 $\mathbf{x} \sim 61 \ \mathrm{mm}$ 

Order number: 007

