SUCO - 0601/0602 PRESSURE SENSOR

Performance series

0601400411010 0-10V, 0..4 bar, G1/4-E, NBR, Deutsch DT04-3P

- 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.

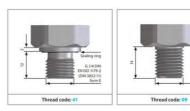
Specifications

| Accuracy | ±1% FS |
|-------------------------|--------------------------------------|
| Burst Pressure | 20 |
| Connection Thread | G1/4-E |
| Electrical connection | Deutsch DT04-3P |
| IP Class | IP67, IP6K9K |
| Lifespan Mechanical | 5 million cycles |
| Long-Term Stability | ±0.3% FS p.a. |
| Material of body | Stainless steel 1.4305 |
| Materials Wetted Parts | Stainless steel 1.4305, Ceramic, NBR |
| Overpressure protection | 10 bar |
| Pressure Range Max | 4 |
| Pressure Range Min | 0 |

| Pressure reference | Gauge |
|---------------------------------|--|
| Pressure rise | 1 bar/ms |
| Repeatability & Reproducibility | ±0.1% FS |
| Response Time | 2 |
| Shock Resistance | 500m / s²; 11 ms half sine wave; DIN EN 60068-2-27 |
| Signal type | 0-10 V |
| Supply Voltage DC Max | 32 |
| Supply Voltage DC Min | 11 |
| Temperature ambient from | -30 |
| Temperature ambient to | 100 |
| Temperature error | ±0.04% FS/°C |
| Temperature range of media from | -30 |
| Temperature range of media to | 100 |
| Weight | 80 |
| Vibration Resistance | 20g: 42000 Hz sine wave, DIN EN 60068-2-6 |



| DINE | N 175301- | 803-A | M 12 - D | IN EN 6107 | 6-2-101 A | ISC | 0 15170-A1 | -4.1 |
|------|---------------------------------------|-------|----------|------------------|-----------------|-----|------------------|--------|
| - | | M | 2 | 0 | Ľ | X | | |
| Pin | .0501 | 0602 | Pin | 0601 | 0602 | Pin | 0601 | 060 |
| .1 | Uve | Uve | 1 | Uv+ | Uve | 1 | Uve | UV4 |
| 2 | Grid | lue . | 2 | Uper | nc* | 2 | Gnd | nc* |
| 3 | Um | nc* | 3 | Gnd | L _{md} | 3 | Une | Unit |
| | | | 4 | nc* | 0.02* | - 4 | nc* | nc* |
| | IP65 | · | | IP67 | | | IP67, IP6K9 | 6 |
| | nm without co mim with cop | | | x - 54 mm | C | | x - 56 mm | 10 |
| Ord | er number | 013 | Ord | er number | r; 002 | Ord | er number | r: 004 |
| AMP | Supersea | 11.5* | De | utsch DT0- | 4-3P | | | |
| | | | 4 | C | L | | | |
| Pin | 0601 | 0602 | Pin | 0601 | 0602 | | | |
| 1 | Uput | nc* | A | Uv+ | Liv+ | | | |
| 2 | Gnd | los | 8 C | Gnd | nc* | | | |
| 3 | Uve | Uve | | Ume | l _{mt} | | | |
| | 1P67 | | | # - 61 mm | | | | |
| | · · · · · · · · · · · · · · · · · · · | | H | · - 10 (10) | | | | |



NPT 1/4



| 1 Uve 2 Gnd | Uve I _{cce} | 1 2 | Uv+ U _{ne} | Uv+ nc* | E |
|--|-------------------------|-----|------------------------|------------|---|
| 3. U _{IM} | nc* | 3 | Gnd nc* | L_d nc* | F |
| IP65 | | | IP67 | | E |
| 60 mm without o 77 mm with on | | | x - 54 mm | | |
| x - 77 mm with cou | pier socket | | * - 24 mil | | |





 Order Humber: 0/3
 Order Humber: 0/2

 AMP Superseal 1.5*
 Deutsch DT04-3P

 1
 2
 3

 Pin
 0601
 0602

 1
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 nct*

 2
 Grid
 Lus

 3
 U/re
 U/re

 PS2
 PS2
 PS2

 PS2
 PS2
 PS2

 Cher number: 007
 Order number: 010