



SUCO - 0601/0602 PRESSURE SENSOR

Performance series

0601200411002

0-10V, 0..2 bar, G1/4-E, NBR, M12

- 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

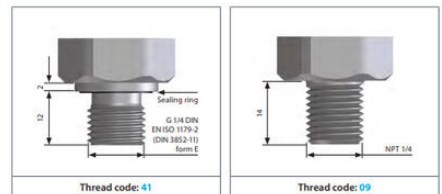
| | |
|--------------------------------|--------------------------------------|
| Accuracy | ±1% FS |
| Burst Pressure | 8 |
| Connection Thread | G1/4-E |
| Electrical connection | M12x1 4-pole |
| IP Class | IP67 |
| Lifespan Mechanical | 5 million cycles |
| Long-Term Stability | ±0.3% FS p.a. |
| Material of body | Stainless steel 1.4305 |
| Materials Wetted Parts | Stainless steel 1.4305, Ceramic, NBR |
| Overpressure protection | 4 bar |
| Pressure Range Max | 2 |
| Pressure Range Min | 0 |

| | |
|---------------------------------|---|
| Pressure reference | Gauge |
| Pressure rise | 1 bar/ms |
| Repeatability & Reproducibility | ±0.1% FS |
| Response Time | 2 |
| Shock Resistance | 500m / s ² ; 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: 4..2000 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|------|---|-----------------|-----------------|---|-----|-----------------|---|-----------------|-----|---|------|------|------|---|-----------------|-----------------|---|-----------------|-----|---|-----|-----------------|---|-----|-----|---|------|------|------|---|-----------------|-----------------|---|-----|-----|---|-----------------|-----------------|---|-----|-----|
|  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><th>Pins</th><th>0601</th><th>0602</th></tr><tr><td>1</td><td>U_{ve}</td><td>U_{ve}</td></tr><tr><td>2</td><td>Gnd</td><td>I_{ve}</td></tr><tr><td>3</td><td>U_{ve}</td><td>nc*</td></tr></table> | Pins | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | Gnd | I _{ve} | 3 | U _{ve} | nc* | <table><tr><th>Pins</th><th>0601</th><th>0602</th></tr><tr><td>1</td><td>U_{ve}</td><td>U_{ve}</td></tr><tr><td>2</td><td>U_{ve}</td><td>nc*</td></tr><tr><td>3</td><td>Gnd</td><td>I_{ve}</td></tr><tr><td>4</td><td>nc*</td><td>nc*</td></tr></table> | Pins | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | U _{ve} | nc* | 3 | Gnd | I _{ve} | 4 | nc* | nc* | <table><tr><th>Pins</th><th>0601</th><th>0602</th></tr><tr><td>1</td><td>U_{ve}</td><td>U_{ve}</td></tr><tr><td>2</td><td>Gnd</td><td>nc*</td></tr><tr><td>3</td><td>U_{ve}</td><td>I_{ve}</td></tr><tr><td>4</td><td>nc*</td><td>nc*</td></tr></table> | Pins | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | Gnd | nc* | 3 | U _{ve} | I _{ve} | 4 | nc* | nc* |
| Pins | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ve} | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pins | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | U _{ve} | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Gnd | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | nc* | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pins | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ve} | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | nc* | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IP65 | IP67 | IP67, IP69K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| x ~ 60 mm without coupler socket x ~ 77 mm with coupler socket | x ~ 54 mm | x ~ 56 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Order number: 013 | Order number: 002 | Order number: 004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| AMP Superseal 1.5* | Deutsch DT04-3P | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-----------------|------|---|-----------------|-----|---|-----|-----------------|---|-----------------|-----------------|--|------|------|------|---|-----------------|-----------------|---|-----|-----|---|-----------------|-----------------|
|  |  | | | | | | | | | | | | | | | | | | | | | | | | |
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| Pins | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | nc* | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | |
| Pins | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | |
| A | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | |
| B | Gnd | nc* | | | | | | | | | | | | | | | | | | | | | | | |
| C | U _{ve} | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | |
| IP67 | IP67, IP69K | | | | | | | | | | | | | | | | | | | | | | | | |
| x ~ 61 mm | x ~ 61 mm | | | | | | | | | | | | | | | | | | | | | | | | |
| Order number: 007 | Order number: 010 | | | | | | | | | | | | | | | | | | | | | | | | |





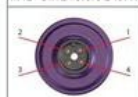
DIN EN 175301-803-A



| Pin | 0601 | 0602 |
|-----|-----------------|-----------------|
| 1 | U _{ve} | U _{ve} |
| 2 | Gnd | I _{ut} |
| 3 | U _{ut} | nc* |

IP65
 x ~ 60 mm without coupler socket
 x ~ 77 mm with coupler socket
 Order number: 013

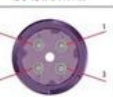
M 12 - DIN EN 61076-2-101 A



| Pin | 0601 | 0602 |
|-----|-----------------|-----------------|
| 1 | U _{ve} | U _{ve} |
| 2 | U _{ut} | nc* |
| 3 | Gnd | I _{ut} |
| 4 | nc* | nc* |

IP67
 x ~ 54 mm
 Order number: 002

ISO 15170-A1-4.1



| Pin | 0601 | 0602 |
|-----|-----------------|-----------------|
| 1 | U _{ve} | U _{ve} |
| 2 | Gnd | nc* |
| 3 | U _{ut} | I _{ut} |
| 4 | nc* | nc* |

IP67, IP6X3K
 x ~ 56 mm
 Order number: 004

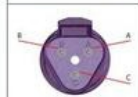
AMP Superseal 1.5*



| Pin | 0601 | 0602 |
|-----|-----------------|-----------------|
| 1 | U _{ut} | nc* |
| 2 | Gnd | I _{ut} |
| 3 | U _{ve} | U _{ve} |

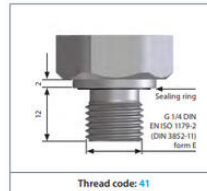
IP67
 x ~ 61 mm
 Order number: 007

Deutsch DT04-3P

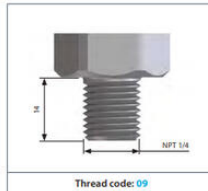


| Pin | 0601 | 0602 |
|-----|-----------------|-----------------|
| A | U _{ve} | U _{ve} |
| B | Gnd | nc* |
| C | U _{ut} | I _{ut} |

IP67, IP6X3K
 x ~ 61 mm
 Order number: 010



Thread code: 41



Thread code: 09