



SUCO - 0601/0602 PRESSURE SENSOR

Performance series

0602401411007

4-20mA, 0..40 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.

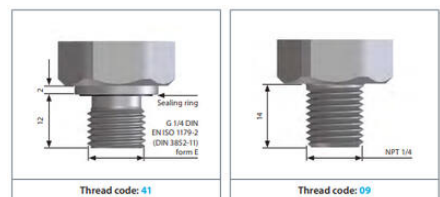
Specifications

| | |
|--------------------------------|--------------------------------------|
| Accuracy | ±1% FS |
| Burst Pressure | 140 |
| Connection Thread | G1/4-E |
| Electrical connection | AMP Superseal |
| 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 | 100 bar |
| Pressure Range Max | 40 |
| 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 | 4-20 mA |
| Supply Voltage DC Max | 32 |
| Supply Voltage DC Min | 9.6 |
| 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 <table><tr><th>Pin</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> <p>IP65 x ~ 60 mm without coupler socket x ~ 77 mm with coupler socket Order number: 013</p> | Pin | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | Gnd | I _{ve} | 3 | U _{ve} | nc* | M 12 - DIN EN 61076-2-101 A <table><tr><th>Pin</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> <p>IP67 x ~ 54 mm Order number: 002</p> | Pin | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | U _{ve} | nc* | 3 | Gnd | I _{ve} | 4 | nc* | nc* | ISO 15170-A1-4.1 <table><tr><th>Pin</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> <p>IP67, IP6X3K x ~ 56 mm Order number: 004</p> | Pin | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | Gnd | nc* | 3 | U _{ve} | I _{ve} | 4 | nc* | nc* |
|--|-----------------|-----------------|------|---|-----------------|-----------------|---|-----|-----------------|---|-----------------|-----------------|--|-----|------|------|---|-----------------|-----------------|---|-----------------|-----|---|-----------------|-----------------|---|-----|-----|---|-----|------|------|---|-----------------|-----------------|---|-----|-----|---|-----------------|-----------------|---|-----|-----|
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ve} | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | U _{ve} | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Gnd | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | nc* | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ve} | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | nc* | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AMP Superseal 1.5* <table><tr><th>Pin</th><th>0601</th><th>0602</th></tr><tr><td>1</td><td>U_{ve}</td><td>nc*</td></tr><tr><td>2</td><td>Gnd</td><td>I_{ve}</td></tr><tr><td>3</td><td>U_{ve}</td><td>U_{ve}</td></tr></table> <p>IP67 x ~ 61 mm Order number: 007</p> | Pin | 0601 | 0602 | 1 | U _{ve} | nc* | 2 | Gnd | I _{ve} | 3 | U _{ve} | U _{ve} | Deutsch DT04-3P <table><tr><th>Pin</th><th>0601</th><th>0602</th></tr><tr><td>A</td><td>U_{ve}</td><td>U_{ve}</td></tr><tr><td>B</td><td>Gnd</td><td>nc*</td></tr><tr><td>C</td><td>U_{ve}</td><td>I_{ve}</td></tr></table> <p>IP67, IP6X3K x ~ 61 mm Order number: 010</p> | Pin | 0601 | 0602 | A | U _{ve} | U _{ve} | B | Gnd | nc* | C | U _{ve} | I _{ve} | | | | | | | | | | | | | | | | | | | |
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Gnd | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | U _{ve} | I _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |





| DIN EN 175301-803-A | | |
|---|------------------|------------------|
| | | |
| Pin | 0601 | 0602 |
| 1 | Uv+ | Uv+ |
| 2 | Gnd | I _{out} |
| 3 | U _{out} | 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 | Uv+ | Uv+ |
| 2 | U _{out} | nc* |
| 3 | Gnd | I _{out} |
| 4 | nc* | nc* |
| IP67 | | |
| x ~ 54 mm | | |
| Order number: 002 | | |

| ISO 15170-A1-4.1 | | |
|-------------------|------------------|------------------|
| | | |
| Pin | 0601 | 0602 |
| 1 | Uv+ | Uv+ |
| 2 | Gnd | nc* |
| 3 | U _{out} | I _{out} |
| 4 | nc* | nc* |
| IP67, IP6X3K | | |
| x ~ 56 mm | | |
| Order number: 004 | | |

| AMP Superseal 1.5* | | |
|--------------------|------------------|------------------|
| | | |
| Pin | 0601 | 0602 |
| 1 | U _{out} | nc* |
| 2 | Gnd | I _{out} |
| 3 | Uv+ | Uv+ |
| IP67 | | |
| x ~ 61 mm | | |
| Order number: 007 | | |

| Deutsch DT04-3P | | |
|-------------------|------------------|------------------|
| | | |
| Pin | 0601 | 0602 |
| A | Uv+ | Uv+ |
| B | Gnd | nc* |
| C | U _{out} | I _{out} |
| IP67, IP6X3K | | |
| x ~ 61 mm | | |
| Order number: 010 | | |

