



SUCO - 0601/0602 PRESSURE SENSOR

Performance series

0602161413010

4-20mA, 0..16 bar, G1/4-E, FKM, 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.

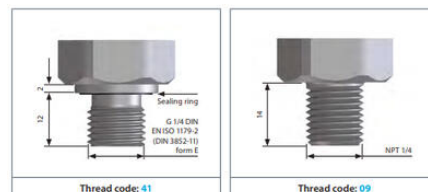
TECHNICAL DATA

| | |
|----------------------------|--------------------------------------|
| Accuracy | ±1% FS |
| Burst pressure | 60 bar |
| Connection | G1/4-E |
| Electrical connection | Deutsch DT04-3P |
| IP class | IP67, IP6K9K |
| Long term stability | ±0.3% FS p.a. |
| Material of body | Stainless steel 1.4305 |
| Material of wetted parts | Stainless steel 1.4305, Ceramic, FKM |
| Mechanical life expectancy | 5 million cycles |
| Overpressure protection | 40 bar |
| Pressure range max | 16 bar |
| Pressure range min | 0 bar |

| | |
|---------------------------|---|
| Pressure reference | Gauge |
| Pressure rise | 1 bar/ms |
| Repeatability | ±0.1% FS |
| Response time | 2 ms |
| 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 V DC |
| Supply voltage dc min | 9.6 V DC |
| Temperature ambient from | -30 °C |
| Temperature ambient to | 100 °C |
| Temperature error | ±0.04% FS/°C |
| Temperature of media from | -20 °C |
| Temperature of media to | 125 °C |
| Weight | 80 g |
| Vibration resistance | 20g: 4..2000 Hz sine wave, DIN EN 60068-2-6 |



| DIN EN 175301-803-A  <table border="1"> <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_{ue}</td> </tr> <tr> <td>3</td> <td>U_{ue}</td> <td>nc*</td> </tr> </table> <p>IP65</p> <p>x ~ 60 mm without coupler socket x ~ 77 mm with coupler socket</p> <p>Order number: 013</p> | Pin | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | Gnd | I _{ue} | 3 | U _{ue} | nc* | M 12 – DIN EN 61076-2-101 A  <table border="1"> <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_{ue}</td> <td>nc*</td> </tr> <tr> <td>3</td> <td>Gnd</td> <td>I_{ue}</td> </tr> <tr> <td>4</td> <td>nc*</td> <td>nc*</td> </tr> </table> <p>IP67</p> <p>x ~ 54 mm</p> <p>Order number: 002</p> | Pin | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | U _{ue} | nc* | 3 | Gnd | I _{ue} | 4 | nc* | nc* | ISO 15170-A1-4.1  <table border="1"> <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_{ue}</td> <td>I_{ue}</td> </tr> <tr> <td>4</td> <td>nc*</td> <td>nc*</td> </tr> </table> <p>IP67, IP69K</p> <p>x ~ 56 mm</p> <p>Order number: 004</p> | Pin | 0601 | 0602 | 1 | U _{ve} | U _{ve} | 2 | Gnd | nc* | 3 | U _{ue} | I _{ue} | 4 | nc* | nc* |
|---|-----------------|-----------------|------|---|-----------------|-----------------|---|-----|-----------------|---|-----------------|-----------------|--|-----|------|------|---|-----------------|-----------------|---|-----------------|-----|---|-----------------|-----------------|---|-----|-----|--|-----|------|------|---|-----------------|-----------------|---|-----|-----|---|-----------------|-----------------|---|-----|-----|
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | I _{ue} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ue} | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | U _{ue} | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Gnd | I _{ue} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | nc* | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ue} | I _{ue} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | nc* | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AMP Superseal 1.5*  <table border="1"> <tr> <th>Pin</th> <th>0601</th> <th>0602</th> </tr> <tr> <td>1</td> <td>U_{ue}</td> <td>nc*</td> </tr> <tr> <td>2</td> <td>Gnd</td> <td>I_{ue}</td> </tr> <tr> <td>3</td> <td>U_{ve}</td> <td>U_{ve}</td> </tr> </table> <p>IP67</p> <p>x ~ 61 mm</p> <p>Order number: 007</p> | Pin | 0601 | 0602 | 1 | U _{ue} | nc* | 2 | Gnd | I _{ue} | 3 | U _{ve} | U _{ve} | Deutsch DT04-3P  <table border="1"> <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_{ue}</td> <td>I_{ue}</td> </tr> </table> <p>IP67, IP69K</p> <p>x ~ 61 mm</p> <p>Order number: 010</p> | Pin | 0601 | 0602 | A | U _{ve} | U _{ve} | B | Gnd | nc* | C | U _{ue} | I _{ue} | | | | | | | | | | | | | | | | | | | |
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | U _{ue} | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Gnd | I _{ue} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pin | 0601 | 0602 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | U _{ve} | U _{ve} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | Gnd | nc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | U _{ue} | I _{ue} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |





| 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 | | |

| 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 | | |

| 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 | | |

| 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 | | |

| 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 | | |

