SERIES 2066 – PRESSURE SENSOR SINUS

We reserve the right to make technical changes. Dimensional details are not binding. Detailed specifications are available on request.

ADVANTAGE
- Multi-purpose versatility
- Simple signal evaluation
- Easy implementation of safety concepts
- Variable output signals
- High signal accuracy

PRODUCT FEATURES
- For pressure, level and flow sensing by differential pressure
- Built-in temperature compensation, programmable output curve
- Three programmable switching outputs (optional)
- Analog, frequency or PWM output signal
- Accuracy of ± 3.5 % total tolerance (higher accuracies on request)

APPLICATION EXAMPLE
- Washing machines
- Dish washers
- Cleaning devices
- Industrial applications

| Measuring range | 0 … 3500 Pa
| Medium | Air, neutral gases (0 … 95 % relative humidity)
| Typical installation orientation | Hose connector downwards
| Electrical connection | RAST 2.5 (3 pol)
| Definition of the outputs | Adaptable to customer requirements
| Max. / Min pressure (30 sec.) | ±10 kPa (without damage to the sensor)
| Temperature range | +5 °C … +75 °C
| Storage temperature | -40 °C … +85 °C (max. 6 months)
| RoHS / REACH | In accordance with the provisions
| Approval marks | UL 60730
| Protection class 2 according DIN EN 60335-1 |
### BASIC TYPES

<table>
<thead>
<tr>
<th>Basic type</th>
<th>Output signal</th>
<th>Pin 1</th>
<th>Pin 2</th>
<th>Pin 3</th>
<th>Nominal characteristic</th>
<th>Mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>2066.03xx</td>
<td>Frequency</td>
<td>OUT</td>
<td>GND</td>
<td>VDD</td>
<td>0 – 2943 Pa (0 - 300 mmWs) ➔ 44.30 – 35.39 Hz</td>
<td>Snap latch</td>
</tr>
<tr>
<td>2066.04xx</td>
<td>Analog</td>
<td>VDD</td>
<td>OUT</td>
<td>GND</td>
<td>0 – 3432 Pa (0 - 350 mmWs) ➔ 0.35 – 3.78 V</td>
<td>Snap hooks</td>
</tr>
<tr>
<td>2066.05xx</td>
<td>PWM</td>
<td>VDD</td>
<td>OUT</td>
<td>GND</td>
<td>0 – 2452 Pa (0 - 250 mmWs) ➔ 23.3 % - 90 % PWM</td>
<td>Snap hooks</td>
</tr>
</tbody>
</table>

Other signal outputs, pressure ranges and mounting options on request

### DRAWINGS

(Dimensions in mm)

1. General information

![General information diagram](image)

2. Electrical connection

![Electrical connection diagram](image)

3. Mechanical adaption

![Mechanical adaption diagram](image)