QG series

QG30-KI-030E-AV-K

Inclination sensor
1 axis

Non-programmable device

Output: 0,5 - 4,5 V

horizontal/vertical mounting

For standard applications

Measuring range
± 30°

E-series

Inclination sensor 1 axis

Non-programmable device

Output: 0,5 - 4,5 V

horizontal/vertical mounting

For standard applications

Measuring range ± 30°

Housing

Dimensions (indicative)

Mounting

Ingress Protection (IEC 60529)

Relative humidity

Weight

Supply voltage

Polarity protection

Current consumption

Operating temperature

Storage temperature

Measuring range

Centering function

Frequency response (-3dB)

Typ. Accuracy @20°C (2σ)

Offset error

Non linearity

Sensitivity error

Resolution

Temperature coefficient

Max mechanical shock

Output

Output load

Short circuit protection

Repeatability

Programming options

General specifications 11480, v20180111

Plastic injection molded housing (Arnite T06 202 PBT black)

30x30x15 mm

Included: 2x M3x16 mm zinc plated steel pozidrive pan head screws, self-tapping (PZ DIN 7500C)

IP67

0 - 100%

approx. 15 gram (cable excluded)

10 - 30 V dc

Yes

≤ 10 mA

-25 .. +80 °C

-25 .. +80 °C

± 30°

No

0 - 10 Hz (±2,5 Hz)

overall 0,6° typ. (offset excluded)

< ± 1° typ. (< ± 3° max.)

< ± 0,4°

< ± 2% typ. (< ± 3.5% max.)

0,03°

± 0,02°/K typ

3,500g

0,5 - 4,5 V

Rload ≥20kΩ, Cload ≤20 nF

Yes (max 10 s)

0,1°

not applicable
The QG30 can be used in both vertical and horizontal mounting position.

<table>
<thead>
<tr>
<th>Connectivity (length ±10%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 m PVC/PVC Lixy, black Ø 4.6 mm, wires: 3x0.34 mm² Sensor colors (static usage)</td>
</tr>
<tr>
<td>Brown</td>
</tr>
<tr>
<td>Black</td>
</tr>
<tr>
<td>Blue</td>
</tr>
</tbody>
</table>

As this device is accelerometer-based the sensor is inherent sensitive for accelerations/vibrations. Application specific testing must be carried out to check whether this sensor will fulfill your requirements.