QG series

QG30-KI-030E-AI-K

Inclination sensor

1 axis

Non-programmable device

Output: 4 - 20 mA

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

E-series



(6

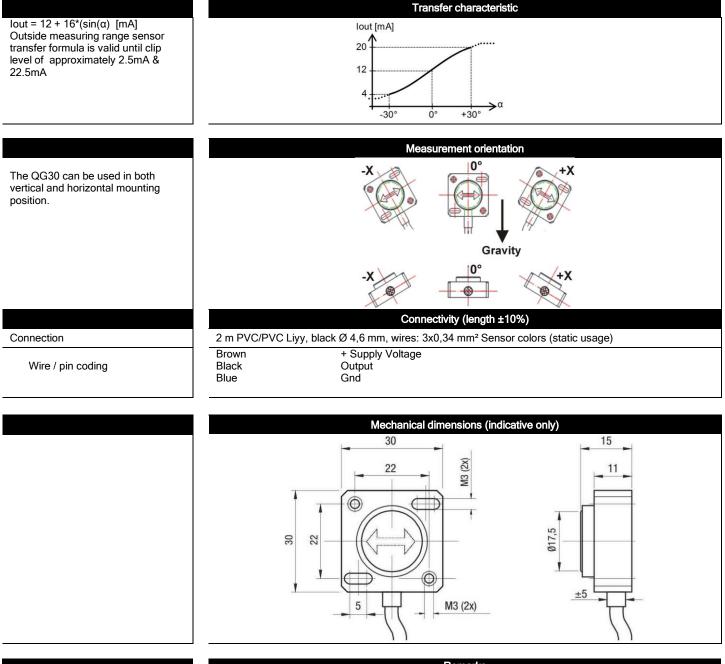
General specifications 11315, v20170705
Plastic injection molded housing (Arnite T06 202 PBT black)
30x30x15 mm
Included: 2x M3x16 mm zinc plated steel pozidrive pan head screws, self-tapping (PZ DIN 7500C)
IP67
0 - 100%
approx. 15 gram (cable excluded)
10 - 30 V dc
Yes
≤ 10 mA (excluding output signal)
-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
4 - 20 mA
Rload \leq (50*Vs-300) [Ω] (Eg: Vs = 24 V: Rload \leq 900 Ω)
Yes (max 10 s)
0,1°
not applicable







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Remarks

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 fulfil your requirements.