## QG series

QG30-KI-030E-AI-K

#### Inclination sensor

1 axis

Non-programmable device

Output: 4 - 20 mA

horizontal/vertical mounting

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)
Accuracy (overall @20°C)
Offset error
Non linearity
Sensitivity error
Resolution
Temperature coefficient
Max mechanical shock
Output
Output load
Short circuit protection
Output refresh rate
Programming options



# **DIS** sensors

# (6

General specifications 11315, v20210611
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 7500CZ)
IP67
0 - 95% (non condensing, housing fully potted)
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)
0,6° typ. (offset excluded)
± 1° typ. (± 3° 2σ)
± 0,4° typ.
± 2% typ., Repeatability 0.1°
0,03°
± 0,02°/K typ.
3.500g
4 - 20 mA
Rload $\leq$ (50*Vs -300) ( $\Omega$ ) (Eg: Vs = 24 V: Rload $\leq$ 900 $\Omega$ )
Yes (T<55°C), Max 10 s (T>55°C)
continuous (analog)
not applicable

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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.