QG series



QG65-KI-360H-AI-CM

Inclination sensor 1 axis vertical mounting

Factory programmable device Output: 4 - 20 mA

Measuring range programmable between 1° and 360°

Measuring range Factory default: ±180°

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

QG65 analog H-series



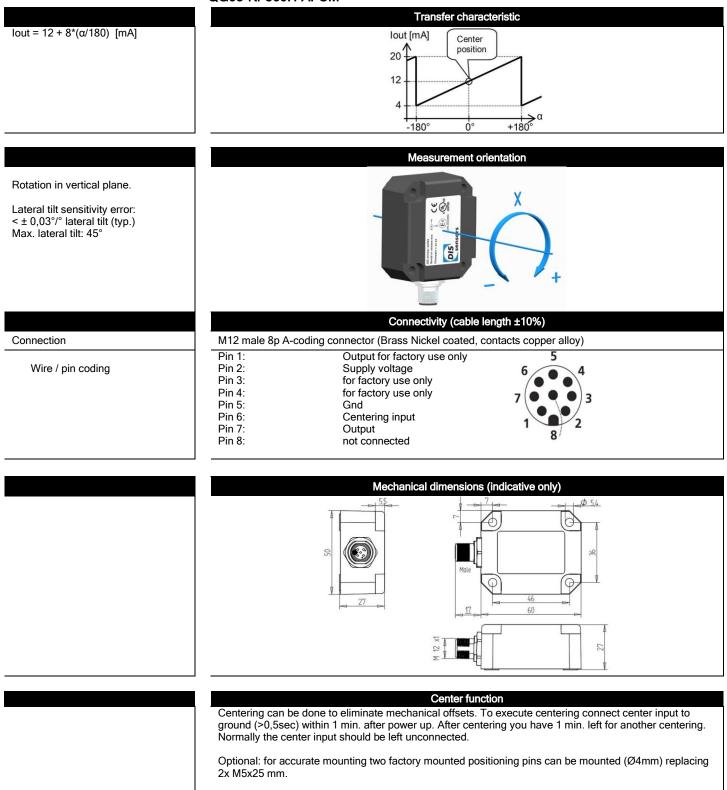
CE

General specifications 11377, v20210921
Reinforced plastic injection molded (Faradex DS, black, EMI shielded by stainless steel fiber in PC)
60x50x27 mm
Included: 4x M5x25 mm zinc plated steel pozidrive pan head screws, self-tapping (PZ DIN7500CZ) Mounting on flat surface only. Screw crosswise with maximum Torque 2.5 Nm
IP67, IP69K (with IP69K mating connector)
0 - 95% (non condensing, housing fully potted)
approx. 110 gram
10 - 30 V dc
Yes
\leq 25 mA (excluding output signal)
-40 +85 °C
-40 +85 °C
Factory default: ±180°
Yes (12 mA = 0°), range 360°
0 - 10 Hz
0,07° typ.
± 0,03° typ. (± 0,08° max) after centering
$\pm 0,06^{\circ}$ typ., $\pm 0,1^{\circ} 2\sigma, \pm 0,15^{\circ}$ max.
not applicable. Repeatability 0,05°
0,01°
± 0,005°/K typ.
20.000g
4 - 20 mA
Rload \leq (50 [*] Vs -300) (Ω) (Eg: Vs = 24 V: Rload \leq 900 Ω)
Yes (T<55°C), Max 10 s (T>55°C)
20 ms
Factory programmable (measuring range, filtering)

QG series



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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.