QG series

QG40N-KAXYZO-7,0-ASP-CM-UL-1c

Acceleration switch for SIL CL 1 (acc. to IEC 62061) PLc (acc. to EN ISO 13849) applications 3 axis omnidirectional free mounting

Factory programmable only Output: PNP

Mode: PEAK, 40ms measuring interval (optional: RMS-mode, factory progr. measuring interval)

Measuring range 0.1 to 7g (factory programmable)

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 Boot up time / response time Programming options



IIS

QG40N-series SIL CL 1 / PLc

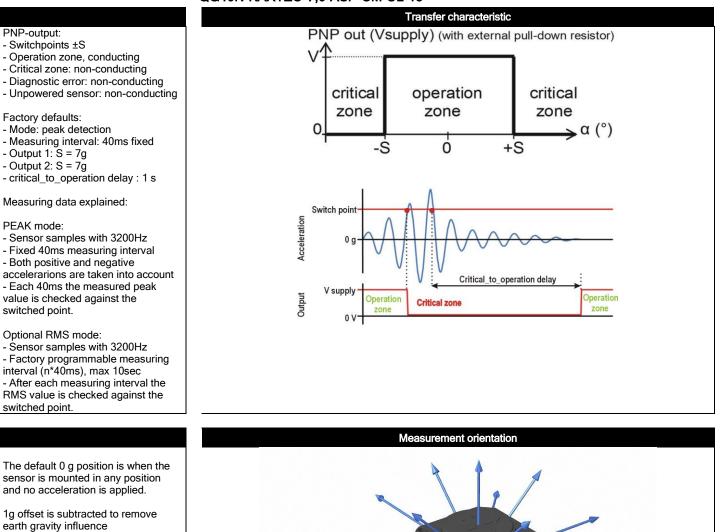


General specifications 12715, v20210611
Plastic injection molded housing (Arnite T06 202 PBT black)
40x40x25 mm (download 3D stepfile from dis-sensors.com)
Included: 2x M3x25 mm zinc plated steel pozidrive pan head screws, self-tapping (PZ DIN 7500CZ
IP67, IP69K (with IP69K mating connector)
0 - 95% (non condensing, housing fully potted)
approx. 45 gram
5- 32 V dc
Yes
≤ 20 mA
-40 +60 °C
-40 +85 °C
0.1 to 7g (factory programmable)
Yes (0°), range: 360° in all mounting positions
0- 1600 Hz
0,05g typ.
not applicable after zeroing
not applicable
not applicable
0,01 g
± 0,3 mg/K typ.
10.000g
dual PNP
2x 200 mA continuously, outputs protected against back EMF
Yes
< 1s (non conducting during boot-up) / 40ms
Factory only (Peak/RMS mode, switch points, delay time, RMS mode measuring interval)

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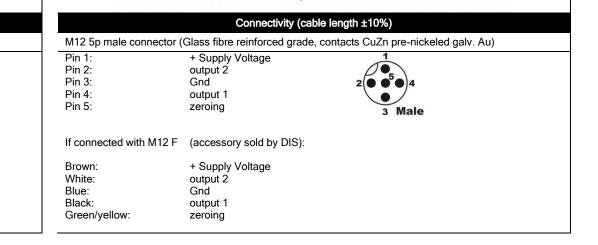


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Free mounting

Omnidirectional: X+Y+Z vector

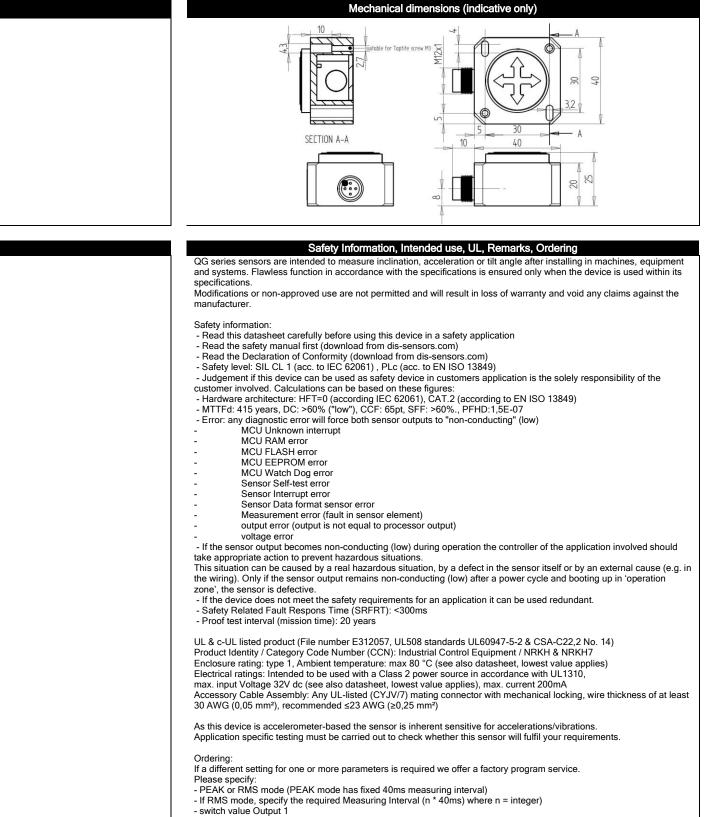


Connection

Wire / pin coding

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- switch value Output 2
- Critical_to_operation delay