## 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)

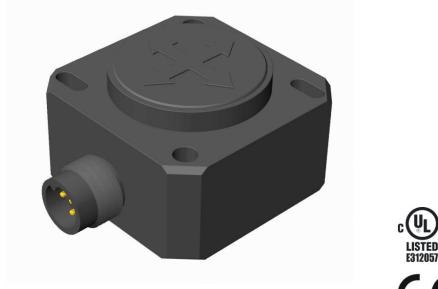
Measuring range 0.1 to 7g (factory programmable)

### 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

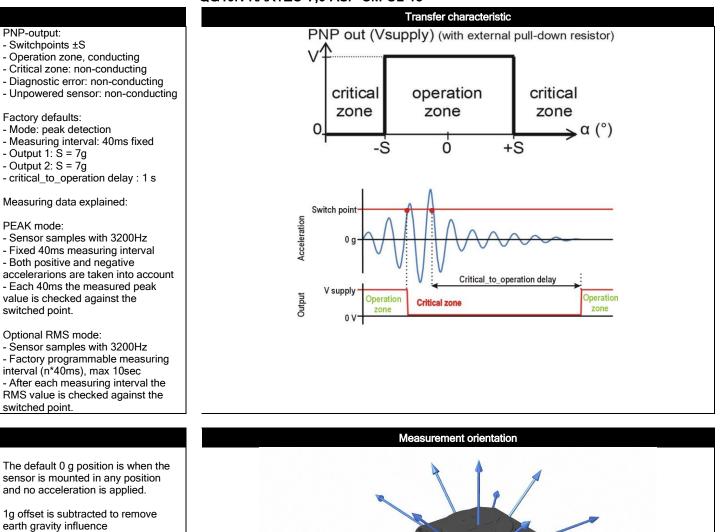


General specifications 12715, v20210611
Plastic injection molded housing (Arnite T06 202 PBT black)
40x40x25 mm (download 3D stepfile from dis-sensors.com)
Included: 2x M3x25 mm zinc plated steel pozidrive pan head screws, self-tapping (PZ DIN 7500CZ
IP67, IP69K (with IP69K mating connector)
0 - 95% (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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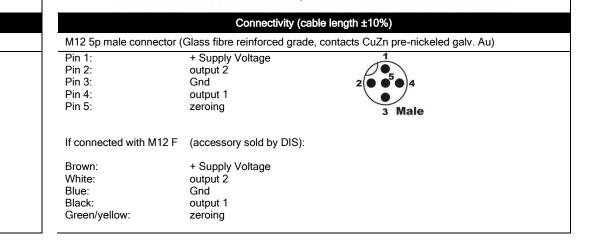


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Free mounting

Omnidirectional: X+Y+Z vector

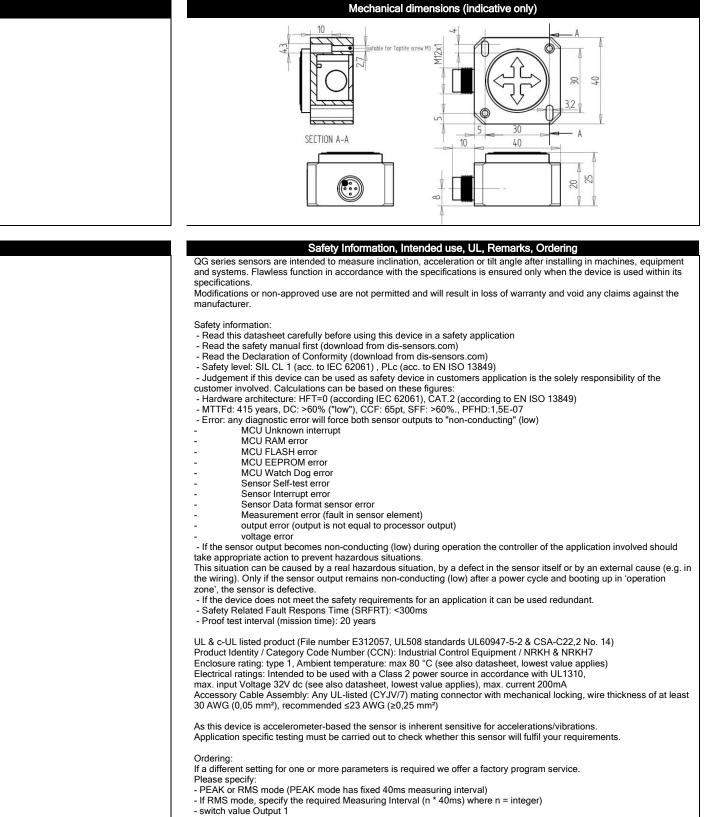


#### Connection

Wire / pin coding

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- switch value Output 2
- Critical\_to\_operation delay