

Quadro-G

sensors



QG40-KAXY-1,0H-AI-K
Acceleration sensor 2 axis: X and Y
Output 4 - 20 mA
Supply voltage 10 - 30 Vdc
Measuring range $\pm 1,0$ G



Application	
Housing	Quadro40, black PBTP
Dimensions	40 x 40 x 25 mm
Mounting	2x stainless M3 x 25 mm screws
Protection	IP67
Humidity	0 - 100%
Weight	ca 45 gram (excl cable)
Supply voltage	10 - 30 Vdc
Polarity protection	Yes
Current consumption	≤ 60 mA
Operating temperature	-25...+85 °C
Storage temperature	-25...+85 °C
Measuring range	X and Y axis: $\pm 1,0$ G
Output signals	4 - 20 mA
Short circuit protection	Yes (max 10 s)
Output load resistor	$R_{load} \leq 50 \cdot V_{op} - 125$ (Ω) (Eg: $V_{supply} = 24V$: $R_{load} \leq 1075$ Ω)
Frequency response	0 - 18 Hz (± 10 Hz)
Response time	< 10 ms
Accuracy	
Accuracy (excl. cross axis)	2,5%
Cross axis sensitivity	4%
Resolution	11 bit
Max mechanical shock	20.000 g
Status LED	Optional
Cable	Standard: 2 m, black, PVC, 4x0,25mm ²
Cable wires	Brown : Vcc Blue : Gnd Black : X axis output White : Y axis output
Connector	Optional

2-axis acceleration monitoring	
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Mounting	2x stainless M3 x 25 mm screws
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Humidity	0 - 100%
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Supply voltage	10 - 30 Vdc
Polarity protection	Yes
Current consumption	≤ 60 mA
Operating temperature	-25...+85 °C
Storage temperature	-25...+85 °C
Measuring range	X and Y axis: $\pm 1,0$ G
Output signals	4 - 20 mA
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