QG series



CANopea

ULISTED E312057

QG76N CAN series (discontinued, successor: QG76N2 Standard accuracy series)

QG76N-SDXYh-090-CAN-C(F)M-UL

Inclination sensor (discontinued)

2 axis horizontal mounting

Programmable device Interface: CANopen

Parameters programmable by CANopen object dictionary

Measuring range ± 90°

Housing

DIScensors	

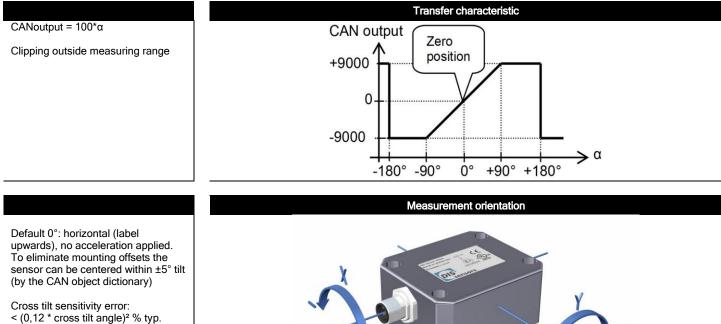
	General specifications 12685, v20210720
	Stainless steel (AISI 316)
	70x60x33 mm
	Included: 4x M4x30 mm stainless steel (A4) Hexagon socket head screws
	IP67, IP69K (with IP69K mating connector), (IP68 with optional cable gland)
	0 - 95% (non condensing, housing fully potted)
	approx. 700 gram
	8 - 30 V dc
	Yes
≤	25 mA For CFM models (daisy-chained CANbus): max. current internal T-junction: 2.5/
	-40 +80 °C
	-40 +85 °C
	± 90°
	Yes (CANout $0 = 0^{\circ}$), range: $\pm 5^{\circ}$
	0 - 20 Hz
	0,15° typ.
	\pm 0,05° typ. (\pm 0,1° 2 σ) after centering
	$\pm 0,1^{\circ}$ typ., $\pm 0,15^{\circ} 2\sigma, \pm 0,2^{\circ}$ max.
	not applicable. Repeatability 0,1°
	0,05°
	± 0,01°/K typ.
	10.000g
	According to ISO 11898-1 & ISO 11898-2 (CAN 2.0 A/B), Short circuit protected
	CANopen protocol: EN 50325-4 (CiA 301 v4.0 and v4.2.0)
	125 kbit/s (default), 250 kbit/s, 500 kbit/s, 1Mbit/s 01h (range: 01h - 7Fh) TPDO1: 181h (for Node ID=01h) TPDO1: 5 - 500 ms (default: 100 ms) On/off (default: off) On/off (default: on, 2s) Baudrate, Node Id, Event time, Sync mode, Heartbeat, Output format Integer: -9000 to +9000 (PDO1:X=byte2,1;Y=byte4,3) Input filter enabled, output filter disabled Event mode, Sync-mode
_	<1s
	by CANopen object dictionary (CAN parameters, filtering)

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
CAN interface (physical layer)
CANopen application layer and communication profile
Baud rate Node Id
TPDO Event time
Sync mode
Heartbeat
Programming options
Output format Filtering
Modes of operation
Boot time
Programming options

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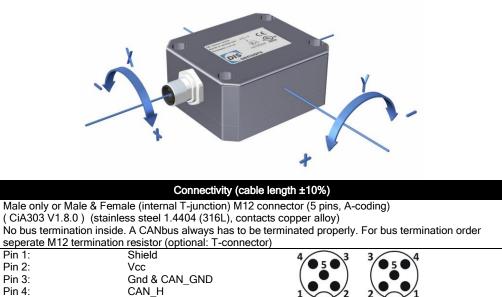
CAN^L

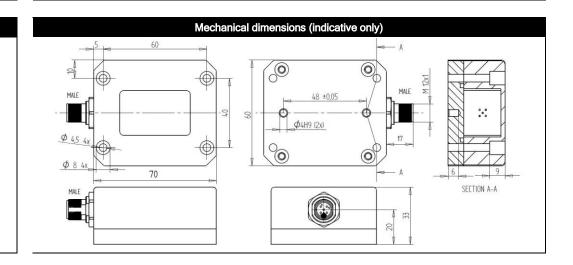
 \rightarrow one axis <10° tilt for max. accuracy

 \rightarrow only one axis may exceed 45° tilt

Connection

Wire / pin coding





Male

Female

Pin 5:



