QG series



QG65 CAN series (discontinued, successor: QG65N2 High accuracy series)

QG65-KI-360H-CAN-C(F)M

Inclination sensor (discontinued)

1 axis vertical mounting

Programmable device Interface: CANopen

Parameters programmable by CANopen object dictionary

Measuring range 360°

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Estimation of CE State	
Ol-Feering	

	General specifications 11433/11595, v20180117
Housing	Reinforced plastic injection molded (Faradex DS, black, EMI shielded by stainless steel fiber in PC)
Dimensions (indicative)	60x50x27 mm Included: 4x M5x25 mm zinc plated steel pozidrive pan head screws, self-tapping (PZ DIN7500CZ)
Mounting	Mounting on flat surface only. Screw crosswise with maximum Torque 2.5 Nm
Ingress Protection (IEC 60529)	IP67
Relative humidity	0 - 95% (non condensing, housing fully potted)
Weight	approx. 110 gram
Supply voltage	10 - 30 V dc
Polarity protection	Yes
Current consumption	≤ 50 mA
Operating temperature	-40 +85 °C
Storage temperature	-40 +85 °C
Measuring range	360°
Centering function	Yes (CANout 0 = 0°), range: 360°
Frequency response (-3dB)	0 - 10 Hz
Accuracy (overall @20°C)	overall 0,07° typ.
Offset error	< ± 0,03° typ. (< ± 0,08° max.) after centering
Non linearity	< ± 0,06° typ. (< ± 0,15° max.)
Sensitivity error	not applicable
Resolution	0,01°
Temperature coefficient	± 0,005°/K typ.
Max mechanical shock	20.000g
CAN interface (physical layer)	According to ISO 11898-1 & ISO 11898-2 (also known as CAN 2.0 A/B)
CANopen application layer and communication profile	CANopen protocol: EN 50325-4 (CiA 301 v4.0 and v4.2.0)
Baud rate Node Id TPDO Event time Sync mode Heartbeat Programming options Output format Temperature compensation Filtering Modes of operation	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: 0 to 35999 (PDO1:byte2,1) Yes Input filter enabled, output filter disabled Event mode, Sync-mode
Boot time	<1s
Programming options	by CANopen object dictionary (CAN parameters, filtering)



DIS sensors

QG65-KI-360H-CAN-C(F)M

