QG series

QG65N-KIXv-360-CANS-CM

Inclination sensor for SIL2 / PLd applications

1 axis vertical mounting

Output CANopen Safety

Supply voltage 8 - 60 Vdc

Measuring range 360°

QG65N-KIXv-360-CANS-CM

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 (2σ)
Offset error
Non linearity
Sensitivity error
Resolution
Temperature coefficient
Max mechanical shock
CAN interface (hardware)
CAN communication profile
Baud rate Node Id TPDO1 event time Sync mode (TPDO's), Heartbeat Output format SRDO1 SRDO2 Safeguard cycle time (SCT) Safety related validation time (SRVT) Filtering Reaction on error
Boot time





CANOPEA safety easy to use

General specifications v20150916
Plastic injection molded housing (Faradex DS, black, EMI shielded by stainless steel fiber in PC)
60x50x27 mm
4x M5x25 mm zinc plated pozidrive screws included (optional: 2x Ø4mm positioning pins)
IP67
0 - 100%
ca 110 gr
8 - 60 Vdc
Yes
≤ 75 mA
-40 +85°C
-40 +85°C
360°
Yes (CANout 0 = 0°), range: 360°
10 Hz
overall 0,15° typ.
$< \pm 0.03^{\circ}$ typ. ($< \pm 0.08^{\circ}$ max.) after centering
< ± 0,15° typ. (< ± 0,24° max.)
not applicable
0,01°
± 0,009°/K typ.
10.000g
CAN 2.0 A and B according to ISO 11898-1 & ISO 11898-2
CANopen Safety according to EN50325-5 & CANopen according to EN50325-4 (CiA301 4.2.0)
125 kbit/s (default, range 125/250/500/1000 kbit/s) 01h (default, range: 01h - 3Fh) 50 ms (default, range 10-500 ms)
off (default, range on/off) Integer: -17999 to 18000 (SRDO:byte2,1) (byte 3,4,5,6,7,8: integer 0) FFh + 2x node ID (for Node ID=01h: SRDO1=101h) 100h + 2x node ID (for Node ID=01h: SRDO2=102h) 40ms
20ms Input filter enabled, output filter disabled Emergency message 080h+Node-ID folowed by NMT stop state (no CAN communication)

< 1s

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