QG series



QG65N2 SAE J1939 standard accuracy series

QG65N2-KDXYh-030-CANJ-C(F)M-UL

Inclination sensor

2 axis horizontal mounting

Programmable device Interface: CAN SAE J1939

Parameters programmable by J1939

Measuring range ± 30°

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	
CAN interface	
SAE J1939	
Baud rate Default address PGN PGN cycle time Priority Output format Internal CANbus termination	
Boot time	
Programming options	



General specifications 14101, 14104, v20221011

Reinforced plastic injection molded (Faradex DS, black, EMI shielded by stainless steel fiber in PC)

CO FO 07

60X50X27 mm
Included: 4x M5x25 mm zinc plated steel pozidrive pan head screws, self-tapping (PZ DIN7500CZ) Mounting on flat surface only. Screw crosswise with maximum Torque 2.5 Nm
IP67, IP69K (with IP69K mating connector)
0 - 95% (non condensing, housing fully potted)
approx. 110 gram
10 - 32 V dc
Yes
50mA typ. For CFM models (daisy-chained CANbus): max. current internal T-junction: 2.5A
-40 +80 °C
-40 +85 °C
± 30°
Yes (CANout 0 = 0°), range: ±5°
0 - 10 Hz
0,15° typ.
± 0,05° typ. (± 0,1° max.) after centering
$\pm 0,1^{\circ}$ typ., $\pm 0,15^{\circ} 2\sigma, \pm 0,2^{\circ}$ max.
not applicable. Repeatability 0,1°
0,01°
T>0°C: 0.015°/K typ. en T<0°C: 0.03°/K typ.
10,000g (max 0,2ms)
According to ISO 11898-1 & ISO 11898-2 (CAN 2.0 A/B), Short circuit protected
SAE J1939
250 kbit/s (range 250/500kbit/s) 80h = 128dec Inclination: FF00h = 65280dec 100ms 3 (default) Integer: -3000 to +3000 (X=byte 1,0; Y=byte 3,2) 120 Ohm on/off (default: off)
< 0.5 s
J1939 parameters: baud rate, device address PGN, cycle time, priority.

Sensor functions: internal CANbus termination

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