

QG series identification

Measuring range

030 = ± 30° Inclination (options: 001 .. 360°)
 0,5 = ± 0,5g Acceleration (options: 0,1 -200g)
 002 = ± 2° Tilt switch (options 001 .. 180°)
 150 = 150°/sec Gyro (options 001 .. 999°/s)

Type

Empty = standard
 D = Dynamic
 N = Next Generation
 P = Programmable

Housing material

K = (Reinforced) Plastic
 M = Metal (alu. Zamac)
 S = Stainless Steel

Mounting

h = horizontal
 v = vertical
 hv = h or v
 empty = see datasheet

Family QG

Inclinometer
 Accelerometer
 Tilt switch
 Acceleration switch
 Gyroscope

Output configuration

AV = Analog voltage 0,5 - 4,5 V
 AV2 = Analog voltage 1 - 9 V
 AV3 = Analog voltage 0 - 10 V
 AV4 = Analog voltage 0 - 5 V
 AV5 = Analog voltage 0 - 3.3V
 AI = Analog current 4-20 mA
 ASN = Switching output NPN
 ASP = Switching output PNP
 ASC = Switching output Contact
 SPI = Serial Peripheral Interface
 I2C = I square C Interface
 CAN = CANopen interface
 CANJ = CAN J1939 interface
 CANS = CANopen Safety interface
 PWM = Pulse Width Modulation
 232 = RS232
 485 = RS485
 MOD = MODbus RTU over RS485
 IO = IO-link interface
 S = Special
 W = Wireless

Configuration

any number or character combination for customer specific configuration, and
 1c = SIL1/PLc
 2d = SIL2/PLd
 E4 = E4 type approval
 T = Active Temp. comp.
 P1234 = Proto 1234

Connection

K = PVC cable
 P = PUR cable
 PT = PUR/TPE cable
 TT = TPE/TPE cable
 C = Connector
 M = Male
 F = Female
 S = Special
 D = Deutsch connector
 5p = number of poles (range 3p/4p/5p/6p/8p)

QG 40 N 2 - K I X h - 360 H - 2 AI 1 - K 10 D - 5V - UL - 30001

Generation

empty = first
 2 = 2nd
 3 = 3rd

Housing size

30 = 30x30 mm
 40 = 40x40 mm
 65 = 60x50 mm
 76 = 70x60 mm

Sensitive axis

X = X-axis
 Y = Y-axis
 Z = Z-axis
 empty = see datasheet
 O = Omnidirectional

Sensor type

I = Single axis inclination/Tilt switch
 D = Dual axis inclination/Tilt switch
 A = Acceleration (switch)
 G = Gyroscope

Redundant

empty = non redundant
 2 = redundant

Resolution

Empty = Standard accuracy
 E = Standard accuracy
 L = Low accuracy
 M = Medium accuracy
 H = High accuracy
 X = Extra high accuracy
 S = Client Specific

Max switching current

Empty = Standard
 1 = Non-standard (range 0.1-3A)

Cable length

Empty = 2m
 3.5 = 3.5m

USA & Canada

U = cTUVus
 UL = UL

Supply voltage

Empty = Wide Range, approx. 10 - 30 Vdc
 5V = 5 Vdc