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

Family QG
Inclinometer
Accelerometer
Tilt switch
Acceleration switch
Gyroscope

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

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, i.e.
P1234 = Configuration ID 1234

Other:
1c = SIL1/PLc
2d = SIL2/PLd
E4 = E4 type approval
T = Active Temp. comp.

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
CM5 = M12 5-pole
CM8 = M12 8-pole
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

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

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

USA & Canada
U = cTUVus
UL = UL

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

Redundant
empty = non redundant
2 = redundant

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

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

Cable length
Empty = 2m
3.5 = 3.5m

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