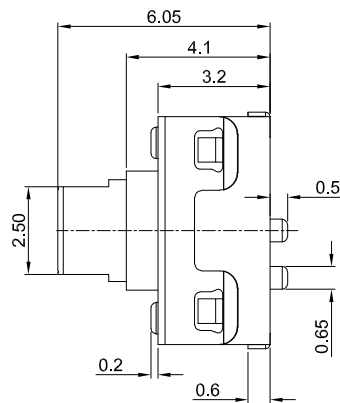
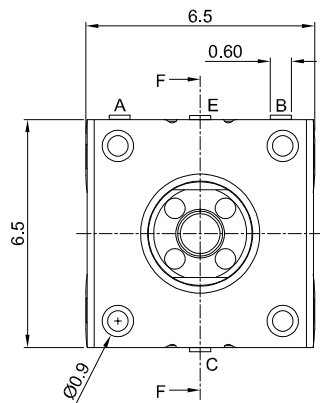


GT-E V C 04 X X X - L1

Manufacture  
GT=G-Switch

Product name  
E=Encoder

Type  
V=Vertical

Pulse  
C=6 Pulse 12 clic

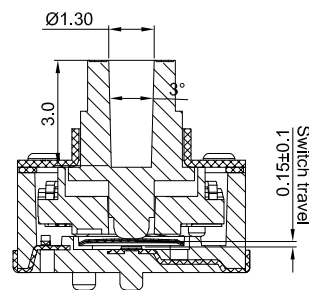
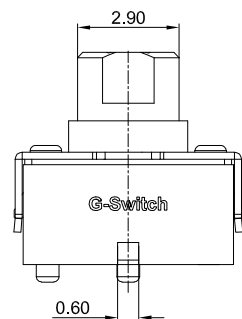
Code  
04=Type 4

Switch Lifetime  
L1=100,000 Cycles

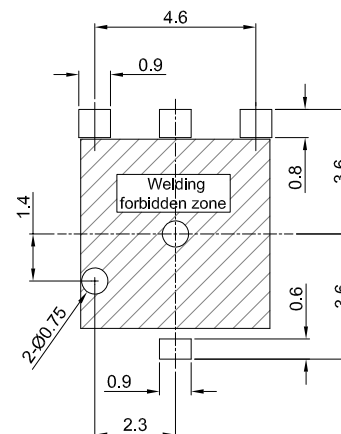
Switch function  
A=With switch 200gf  
B=With switch 300gf

Operating Force  
A=15±6gf With cc  
B=35±15gf With cc

Switch Height(mm)  
6=H6.05  
7=H7.05



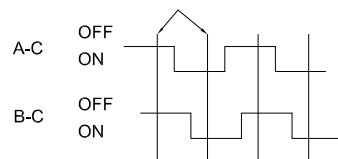
SECTION F-F



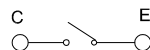
RECOMMENDED PCB LAYOUT  
T=0.3~0.8 TOLERANCE:±0.1

CW ROTATION

DETENT POSITION



6 pulse 12 click



CIRCUIT DIAGRAM

### G-Switch Specification:

1. Operating temperature range: -30°C ~ +85°C
2. Rating: 10mA.5V DC
3. Insulation resistance: 100MΩ min. 100V DC
4. Dielectric strength: 300V AC for 1 min
5. Contact resistance: 100m Ω max.
6. Travel: 0.15±0.05mm

|      |               |      |                             |                      |
|------|---------------|------|-----------------------------|----------------------|
| 1    | KNOB          | 1    | COPPER ALLOY                | BLACK                |
| 2    | COVER         | 1    | STAINLESS STEEL(SUS304)     | --                   |
| 3    | WHEEL GEAR    | 1    | ENGINEERING PLASTIONS(PA46) | BLACK                |
| 4    | CONTACTSPRING | 1    | COPPER ALLOY                | --                   |
| 5    | ANCHOR PLATE  | 1    | STAINLESS STEEL(SUS301)     | --                   |
| 6    | SHRAPNEL      | 2    | STAINLESS STEEL(SUS301)     | WITH SILVER CLADDING |
| 7    | BASE          | 1    | ENGINEERING PLASTIONS       | BLACK                |
| 8    | TERMINAL      | 1    | COPPER ALLOY(C5191)         | WITH SILVER CLADDING |
| ITEM | DESC          | Q'TY | MATERIAL                    | REMARK               |



RoHS  
Compliant  
EU RoHS Standards



|                                        |          |                                                               |         |          |            |
|----------------------------------------|----------|---------------------------------------------------------------|---------|----------|------------|
| SCALE:                                 | UNIT: mm | Title: Vertical Encoder With Switch<br>SMT 6.5×6.5×Hmm 6P/12C |         |          |            |
| SIZE: A4                               |          | Molde Code: GT-EVC04XXX-L1                                    |         |          |            |
| Unless otherwise<br>General Tolerance: |          | DRAWN                                                         | CHECKED | APPROVED | DATE       |
|                                        |          | Jlang                                                         | Xia     | Chen     | 2023.02.01 |
| X.x                                    | ±0.20    |                                                               |         |          |            |
| X.xx                                   | ±0.15    |                                                               |         |          |            |
| X.xxx                                  | ±0.10    |                                                               |         |          |            |
| X"                                     | ±2"      |                                                               |         |          |            |

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www.dg-switch.com

REV: A0 SHEET: 1/1