

GQ10-K Series model description

| Symbol | Symbol name       | Specify                                                                                                                 |
|--------|-------------------|-------------------------------------------------------------------------------------------------------------------------|
| □      | Contact Structure | 11: 1NO1NC / No digit means indicator lamp                                                                              |
| ■      | Operation type    | Z: Latching / No letter means momentary                                                                                 |
| ◇      | Illuminated Type  | E: <span style="color: green;">○</span> Ring illuminated / No letters mean no lights                                    |
| △      | Color             | R: Red / G: Green / Y: Yellow / B: Blue / W: White                                                                      |
| ▲      | Voltage           | 6V / 12V / 24V All have built-in resistors, other voltage levels can be customized, and external resistors are required |
| ◎      | Housing Material  | S: Stainless steel                                                                                                      |

Note: Please read the catalog carefully, and choose the right part-number according to the sign.

Performance Characteristic

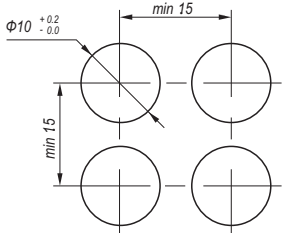
|                           |                                                                  |
|---------------------------|------------------------------------------------------------------|
| Operating Temp            | -25℃~+55℃ (Non freezing)<br>Keep the switch air circulating well |
| Operating Humidity        | 45~85% RH(Non condensing)                                        |
| Contact Resistance        | ≤50mΩ                                                            |
| Insulation Resistance     | ≥100MΩ (500VDC)                                                  |
| Max. withstanding voltage | 1000VAC                                                          |
| Mechanical Life           | Momentary≥200,000 cycles, Latching≥100,000 cycles                |
| Electrical Life           | 50,000 cycles                                                    |
| Operation Travel          | About 2.5mm                                                      |
| Torque                    | About 1.2N                                                       |
| Solder heat resistance    | 320℃ 3s                                                          |

Switch Rating

| Rated Insulation Voltage Ui   |               |                | 250V         |      |      |      |
|-------------------------------|---------------|----------------|--------------|------|------|------|
| Thermal Current Ith           |               |                | 3A           |      |      |      |
| Rated voltage                 |               |                | 12V          | 24V  | 110V | 220V |
| Rated<br>Operation<br>Current | AC<br>50/60Hz | Resistive load | -            | -    | 1A   | 0.5A |
|                               |               | Inductive load | -            | -    | 0.7A | 0.5A |
|                               | DC            | Resistive load | 1A           | 1A   | 0.2A | -    |
|                               |               | Inductive load | 0.7A         | 0.7A | 0.1A | -    |
| Contact material              |               |                | Silver Alloy |      |      |      |

Minimum load: 3V AC/DC, 5mA (Reference)  
Application scope depends on operating environment and load type.

Mounting Hole Dimension



LED Specifications

| LED life     | Current         | Allowable voltage fluctuation range | Circuit diagram                                                                                                                                     |
|--------------|-----------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ≥40000 hours | ≤24V about 15mA | DC: ± 10%                           | <br><small>The product has built-in protective resistance, and the lamp bead wiring has no distinction between positive and negative poles.</small> |

| Shape | Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Dimension |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
|       | <p>Contact Structure 1NO1NC</p> <p>Operation type ■ Z: Latching / No letter means momentary</p> <p>Housing Material Stainless steel</p> <p>Protection class IP40</p> <p>Tail configuration Wiring patch(1.8x0.4mm)</p>                                                                                                                                                                                                                                                                               |           |
|       | <p>Contact Structure 1NO1NC</p> <p>Operation type ■ Z: Latching / No letter means momentary</p> <p>Illuminated Type Ring illuminated</p> <p>LED Color △ <span style="color: red;">R</span> <span style="color: green;">G</span> <span style="color: yellow;">Y</span> <span style="color: blue;">B</span> <span style="color: white;">W</span></p> <p>Voltage▲ 6V/12V/24V</p> <p>Housing Material Stainless steel</p> <p>Protection class IP40</p> <p>Tail configuration Wiring patch(1.8x0.4mm)</p> |           |