

# Metal ButtonΦ16

Quality as the root · Service as the base



## YJ-GQ16A Series High Current Metal Button

### GENERAL

1. Installation dimensions: Φ16mm.
2. Head shape: flat round、high round.
3. Wiring mode: pin terminal.
4. Operation: momentary,maintained.
5. Contact: 1NO/1NC.
6. IP Degree: IP65
7. The material of Keypad: stainless steel.
8. The material of shell: chrome plating of brass、stainless steel、aluminum alloy plating.
9. The material of base: PBT.

### LAMP SPECIFICATIONS

| Lamp type     | Two-way LED lamp    |            |
|---------------|---------------------|------------|
| Rated voltage | AC/DC 3V            | AC/DC 6V   |
|               | AC/DC 12V           | AC/DC 24V  |
|               | AC/DC 36V           | AC/DC 48V  |
|               | AC/DC 110V          | AC/DC 220V |
| Lamp color    | R ● G ● Y ● B ● W ○ |            |
| Life          | ≥40000h             |            |

### SWITCH RATING

| Rated voltage(Ue)  |                  |                | 12V | 24V | 110V | 220V |
|--------------------|------------------|----------------|-----|-----|------|------|
| Rated current (Ie) | AC-15<br>50/60Hz | Resistive load | 10A | 10A | 10A  | 10A  |
|                    |                  | Inductive load | 10A | 10A | 8A   | 6A   |
|                    | DC-13            | Resistive load | 6A  | 6A  | 2A   | 1A   |
|                    |                  | Inductive load | 5A  | 5A  | 1A   | 0.5A |

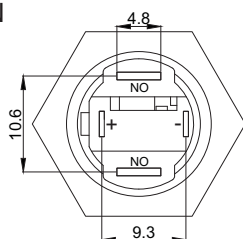
### SPECIFICATION

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| Operating temperature  | -25℃~ +55℃(Ice free)                                   |
| Operating humidity     | 45-85%RH                                               |
| Contact resistance     | ≤50mΩ                                                  |
| Insulation resistance  | ≥1000MΩ                                                |
| Dielectric strength    | 1500VAC/50Hz/60s                                       |
| Vibration resistance   | 50Hz,Amplitude 1.2mm                                   |
| Shock resistance       | > 10g                                                  |
| Solder heat resistance | when 320℃(or 30W electric iron),no more than 3 seconds |
| Switch rating          | 250V/15A                                               |
| Mechanical life        | ≥1,000,000times                                        |
| Electrical life        | ≥100,000times                                          |
| Nut torque             | about 0.6Nm                                            |
| Operation stroke       | about 2mm                                              |
| Operating pressure     | about 5N                                               |

### CONTACT DESCRIPTION

| Type    | 1NO                                                           | 1NC |
|---------|---------------------------------------------------------------|-----|
| Diagram |                                                               |     |
| Sign    |                                                               |     |
| Note    | Double break-points with two terminals<br>slow contact switch |     |

### CONTACT DESCRIPTION



NO-NO terminal is switch pin,and the terminal size is 4.8×0.8  
+- terminal is led pin,and the terminal size is 2.8×0.5

### IMPLICATION OF TYPE

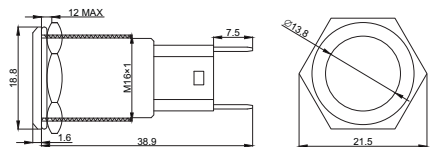
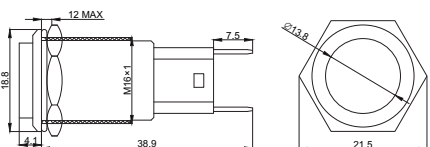
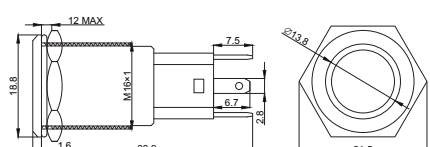
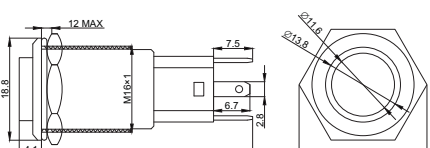
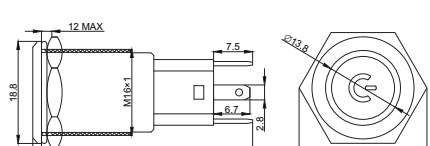
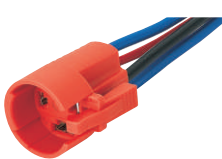
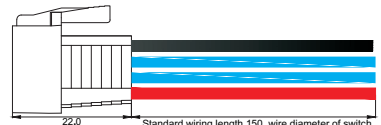
| YJ-GQ16A       | ★                                             | -○                             | ▲/                                                                                                                                                                                                                                       | ☆                                                                                                   | △                                                                     | ○                                |
|----------------|-----------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|
| Code of series | Head shape:<br>F: flat round<br>H: high round | Contact:<br>10: 1NO<br>01: 1NC | Operation:<br>No letters : momentary<br>Z:maintained<br>E:momentary with ring lamp<br>EZ:maintained with ring lamp<br>EP:momentary with ring lamp<br>and luminous power logo<br>EZP:maintained with ring lamp and<br>luminous power logo | Shell material:<br>N:chrome plating of<br>brass<br>S:stainless steel<br>A:aluminum alloy<br>plating | Lamp voltage:<br>3V<br>6V<br>12V<br>24V<br>36V<br>48V<br>110V<br>220V | Color :<br>R<br>G<br>Y<br>B<br>W |

Note: the above table is only for model explanation, and some model combinations have no actual products. See the following figure for specific products.

# Metal ButtonΦ16

## YJ-GQ16A Series High Current Metal Button

### PRODUCT SELECTION

| ☆shell material N: Chrome plating of brass / S: Stainless steel / A: Aluminum alloy plating |                                                     | △ LED voltage 1.8V、3V、6V、12V、24V、36V、48V、110V、220V |                                                                                                                                                                                                                                                                                                                                                            | ○LED color <span>R</span> <span>G</span> <span>Y</span> <span>B</span> <span>W</span> |  |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
| Picture                                                                                     | Operation                                           | Model                                              | Shape Dimensions                                                                                                                                                                                                                                                                                                                                           |                                                                                       |  |
|            | Flat, momentary                                     | YJ-GQ16AF-10/☆                                     |                                                                                                                                                                                                                                                                         |                                                                                       |  |
|                                                                                             | Flat, maintained                                    | YJ-GQ16AF-10Z/☆                                    |                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |  |
|            | High, momentary                                     | YJ-GQ16AH-10/☆                                     |                                                                                                                                                                                                                                                                         |                                                                                       |  |
|                                                                                             | High, maintained                                    | YJ-GQ16AH-10Z/☆                                    |                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |  |
|           | Flat, momentary ring lamp                           | YJ-GQ16AF-10E/☆△○                                  |                                                                                                                                                                                                                                                                         |                                                                                       |  |
|                                                                                             | Flat, maintained ring lamp                          | YJ-GQ16AF-10EZ/☆△○                                 |                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |  |
|          | High, momentary ring lamp                           | YJ-GQ16AH-10E/☆△○                                  |                                                                                                                                                                                                                                                                       |                                                                                       |  |
|                                                                                             | High, maintained ring lamp                          | YJ-GQ16AH-10EZ/☆△○                                 |                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |  |
|          | Flat, momentary ring lamp with luminous power logo  | YJ-GQ16AF-10EP/☆△○                                 |                                                                                                                                                                                                                                                                       |                                                                                       |  |
|                                                                                             | Flat, maintained ring lamp with luminous power logo | YJ-GQ16AF-10EZP/☆△○                                |                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |  |
|          | GQ16A Socket                                        | Matching no light button:<br>2 lines               |  <p>Standard wiring length 150, wire diameter of switch is 1mm, wire diameter of led is 0.5mm</p> <p>Note: the red and black lines are LED lines, 1NO contact with two blue wires; 1NC contact with two yellow wires; You can consult the customized line length.</p> |                                                                                       |  |
|                                                                                             |                                                     | Matching illuminated button:<br>5 lines            |                                                                                                                                                                                                                                                                                                                                                            |                                                                                       |  |

### COMBINATION DIAGRAM OF BUTTON AND SOCKET

