

# Metal ButtonΦ22

## YJ-GQ22A Series High Current Metal Button

### GENERAL

1. Installation dimensions: Φ22mm.
2. Head shape: flat round、high round.
3. Wiring mode: pin terminal.
4. Operation: momentary,maintained.
5. Contact: 1NO1NC/2NO/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 50/60Hz	Resistive load	15A	15A	13A	13A
		Inductive load	10A	10A	8A	6A
	DC-13	Resistive load	6A	6A	2A	1A
		Inductive load	5A	5A	1A	0.5A

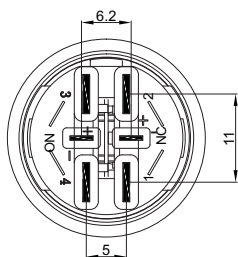
### SPECIFICATION

Operating temperature	-25℃~ +55℃ (Ice free)
Operating humidity	45-85%RH
Contact resistance	≤50mΩ
Insulation resistance	≥1000MΩ
Dielectric strength	1890VAC/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/18A
Mechanical life	≥1,000,000times
Electrical life	≥100,000times
Nut torque	about 0.6Nm
Operation stroke	about 2mm
Operating pressure	about 3N

### CONTACT DESCRIPTION

Type	NO	NC
Diagram		
Sign		
Note	Double break-points with two terminals slow contact switch	

### CONTACT DESCRIPTION



1. LED terminal size is 2.8×0.5;Contact terminal size is 4.8×0.8.
2. +- terminal is led pin.
3. 3-NO-4 terminal is NO contact;1-NC-2 terminal is NC contact.

### IMPLICATION OF TYPE

YJ-GQ22A	★	-⊙	▲/	☆	△	○
Code of series	Head shape: F: flat round H: high round	Contact: 11: 1NO1NC 20: 2NO 10: 1NO 01: 1NC	Operation: No letters: momentary Z: maintained E: momentary with ring lamp EZ: maintained with ring lamp EP: momentary with ring lamp and luminous power logo EZP: maintained with ring lamp and luminous power logo	Shell material: N: chrome plating of brass S: stainless steel A: aluminum alloy plating	Lamp voltage: 3V 6V 12V 24V 36V 48V 110V 220V	Color: R G Y B 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.

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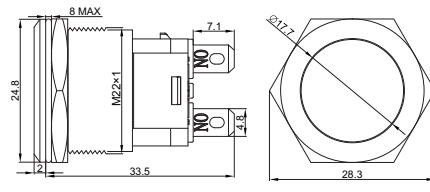

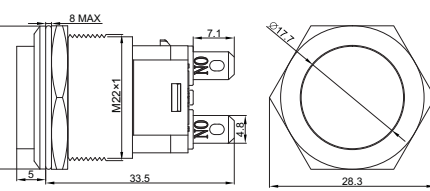

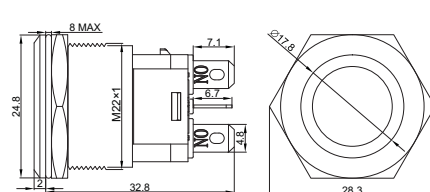

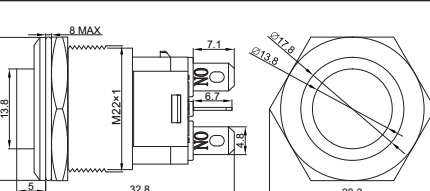

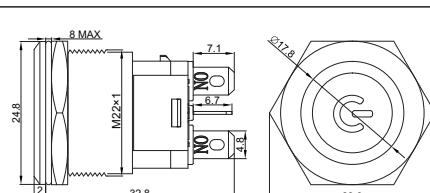
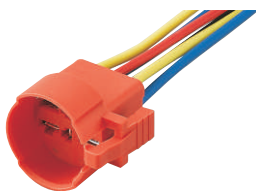
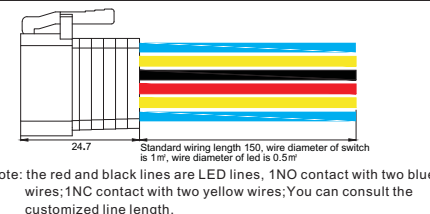
### PRODUCT SELECTION

☉ Contact 11:1NO1NC ; 20:2NO ; 10:1NO ; 01:1NC

☆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 **R G Y B W**

Picture	Operation	Model	Shape Dimensions
	Flat, momentary	YJ-GQ22AF-☉/☆	
	Flat, maintained	YJ-GQ22AF-☉Z/☆	
	High, momentary	YJ-GQ22AH-☉/☆	
	High, maintained	YJ-GQ22AH-☉Z/☆	
	Flat, momentary ring lamp	YJ-GQ22AF-☉E/☆△○	
	Flat, maintained ring lamp	YJ-GQ22AF-☉EZ/☆△○	
	High, momentary ring lamp	YJ-GQ22AH-☉E/☆△○	
	High, maintained ring lamp	YJ-GQ22AH-☉EZ/☆△○	
	Flat, momentary ring lamp with luminous power logo	YJ-GQ22AF-☉EP/☆△○	
	Flat, maintained ring lamp with luminous power logo	YJ-GQ22AF-☉EZP/☆△○	
	GQ22A Socket	Matching button with no light and one contact : 2 lines	
		Matching button with no light and two contacts: 4 lines	
		Matching button with light and one contact : 4 lines	
		Matching button with light and two contacts: 6 lines	

### COMBINATION DIAGRAM OF BUTTON AND SOCKET

