

Metal ButtonΦ19

YJ-GQ19B Series Metal Button

GENERAL

1. Installation dimensions: Φ19mm.
2. Head shape: flat round, high round.
3. Wiring mode: pin terminal.
4. Operation: momentary, maintained, illuminated, emergency, selector switch, key-lock selector switch.
5. Contact: 1NO1NC/2NO2NC.
6. IP Degree: The button is IP65 by default; the emergency push button, selector and key-lock selector switch are IP40 by default;
(the emergency push button can be customized to IP65)
7. The material of Keypad: stainless steel, aluminum alloy.
8. The material of shell: chrome plating of brass, stainless steel, aluminum alloy plating.
9. The material of base: PA66, 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	5A	5A	5A	3A
		Inductive load	5A	5A	3A	2A
	DC-13	Resistive load	1A	1A	0.2A	0.1A
		Inductive load	0.5A	0.5A	0.2A	0.1A

SPECIFICATION

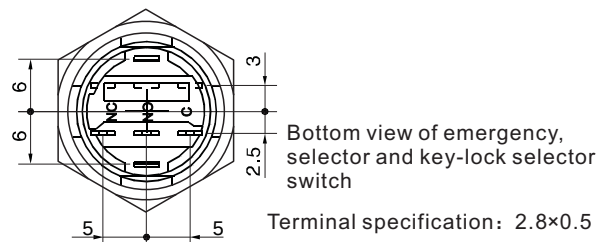
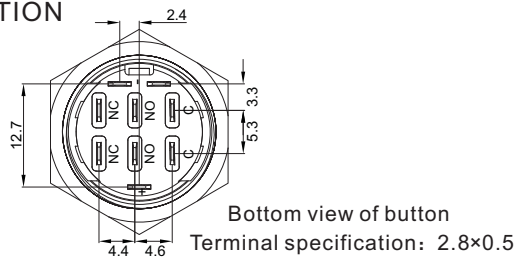
Operating temperature	-25°C~ +55°C (Ice free)
Operating humidity	45-85%RH
Contact resistance	≤50mΩ
Insulation resistance	≥1000MΩ
Dielectric strength	1500VAC/50Hz/60s
Vibration resistance	50Hz, Amplitude 1.2mm
Shock resistance	> 10g
Solder heat resistance	when 320°C (or 30W electric iron), no more than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

CONTACT DESCRIPTION

1NO1NC	Terminal arrangement
2NO2NC	Terminal arrangement

Note: the button can be customized with dual-color lamp, and the selector switch with lamp only has one color.

CONTACT DESCRIPTION



IMPLICATION OF TYPE

YJ-GQ19□	★	-○	▲/	☆	△	○
Code of series□: B : push button type No letters: emergency, selector switch, key-lock selector switch	Head shape: F : flat round H: high round No letters: emergency, selector switch, key-lock selector switch	Contact: 11: 1NO1NC 22: 2NO2NC	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 ZS: small head emergency ZS/A: big head emergency X/21: two position selector switch X/31: three position selector switch XD/21: two position selector switch with lamp XD/31: three position selector switch with lamp Y/21: two position key-lock selector switch Y/31: three position key-lock selector switch	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.

Metal ButtonΦ19

Quality as the root · Service as the base

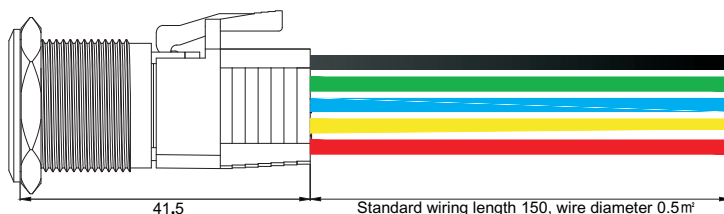


YJ-GQ19B Series Metal Button

PRODUCT SELECTION

○ Contact 11:1NO1NC ; 22:2NO2NC		☆ 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-GQ19BF-○/☆		
	Flat, maintained	YJ-GQ19BF-○Z/☆		
	High, momentary	YJ-GQ19BH-○/☆		
	High, maintained	YJ-GQ19BH-○Z/☆		
	Flat, momentary ring lamp	YJ-GQ19BF-○E/☆△○		
	Flat, maintained ring lamp	YJ-GQ19BF-○EZ/☆△○		
	High, momentary ring lamp	YJ-GQ19BH-○E/☆△○		
	High, maintained ring lamp	YJ-GQ19BH-○EZ/☆△○		
	Flat, momentary ring lamp with luminous power logo	YJ-GQ19BF-○EP/☆△○		
	Flat, maintained ring lamp with luminous power logo	YJ-GQ19BF-○EZP/☆△○		
	GQ19B Socket	Matching no light and 1NO1NC button : 3 lines		
		Matching no light and 2NO2NC button : 6 lines		
		Matching illuminated and 1NO1NC button : 5 lines		
		Matching illuminated and 2NO2NC button : 8 lines		

COMBINATION DIAGRAM OF BUTTON AND SOCKET



Metal ButtonΦ19

Quality as the root · Service as the base



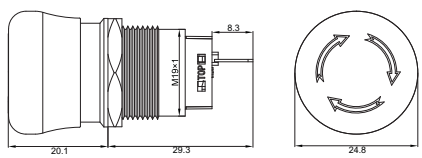
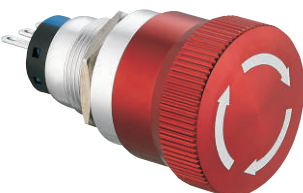
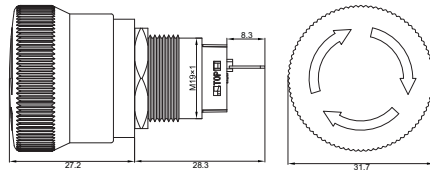
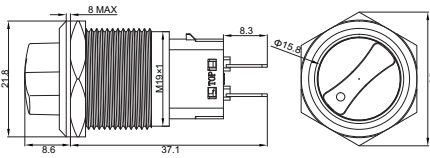
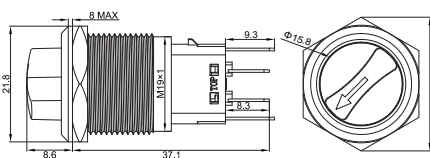
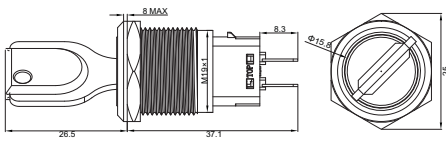
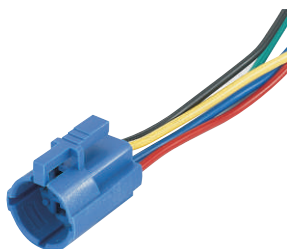
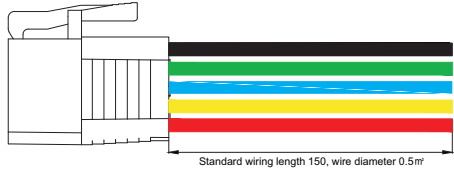
YJ-GQ19B Series Metal Button

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 **R** **G** **Y** **B** **W**

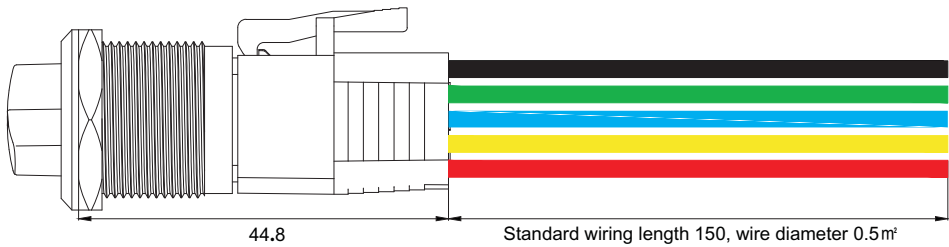
Picture	Operation	Model	Shape Dimensions
	Small head emergency	YJ-GQ19-11ZS/☆	
		YJ-GQ19-22ZS/☆	
	Big head emergency	YJ-GQ19-11ZS/A/☆	
		YJ-GQ19-22ZS/A/☆	
	2 position selector switch	YJ-GQ19-11X/21/☆	
	2 position selector switch	YJ-GQ19-22X/21/☆	
	3 position selector switch	YJ-GQ19-22X/31/☆	
	2 position illuminated selector switch	YJ-GQ19-11XD/21/☆△○	
	2 position illuminated selector switch	YJ-GQ19-22XD/21/☆△○	
	3 position illuminated selector switch	YJ-GQ19-22XD/31/☆△○	
	2 position key-lock selector switch	YJ-GQ19-11Y/21/☆	
	2 position key-lock selector switch	YJ-GQ19-22Y/21/☆	
	3 position key-lock selector switch	YJ-GQ19-22Y/31/☆	
	Special socket for selector and key-lock selector switch	Matching no light and 1NO1NC button : 3 lines	 Standard wiring length 150, wire diameter 0.5mm
		Matching no light and 2NO2NC button : 6 lines	
		Matching illuminated and 1NO1NC button : 5 lines	
		Matching illuminated and 2NO2NC button : 8 lines	

Note: the red and black lines are LED lines, the green line is the common terminal (C), the blue line is NO, and the yellow line is NC. You can consult the customized line length.

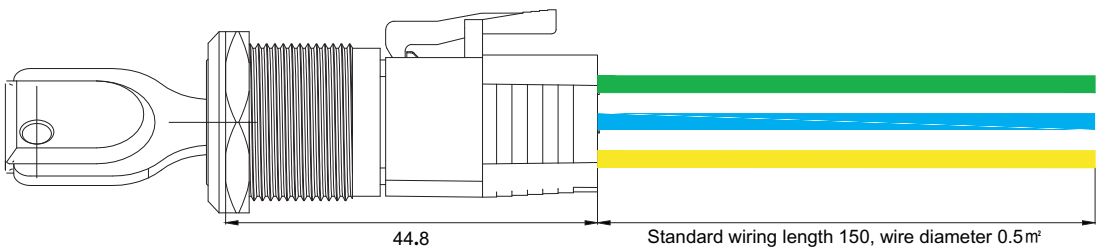
Metal ButtonΦ19

YJ-GQ19B Series Metal Button

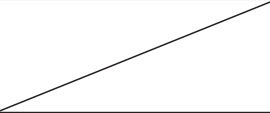
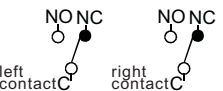
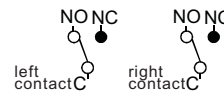
Combination diagram of selector switch and socket



Combination diagram of key-lock selector switch and socket



Working position and corresponding contact state of selector switch

POSITION (maintained , no momentary)	Contact	Contact state of each position		
		Left	Middle	Right
90° two position 	1NO1NC			
	2NO2NC			
45° three position 	2NO2NC	