

Button Switch $\Phi 22$

Quality as the root · Service as the base



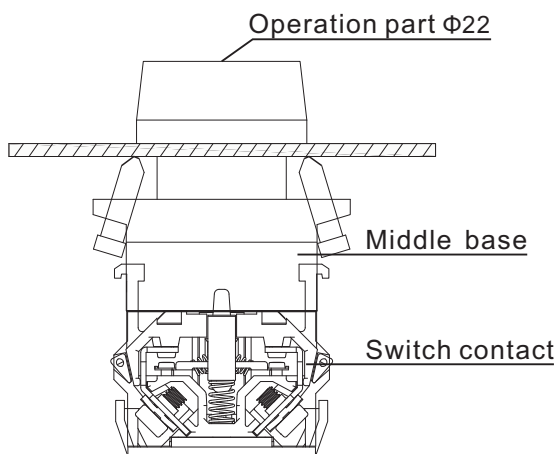
YJ139-LA39 Series Button Switch



GENERAL

1. This series product, the operation part is connected with the middle base by screw fixation. It can be used under every terrible condition because of the lock, fall and vibration resistance.
2. The contact is a self-cleaning flat pressing quick action structure; The switch base can be assembled by building blocks, and can combine up to 8 switch elements according to requirements, which can meet the requirements of various specific control circuits.
3. Installation dimensions: $\Phi 22$ mm.
4. Function: momentary, maintained, illuminated button, selector switch, key-lock selector switch, emergency, mushroom.
5. Contact combination: 1NO1NC/2NO/2NC/1NO/1NC.
6. IP degree: IP40.

PRODUCT STRUCTURE CHART



SPECIFICATION

Operating temperature	-25°C~+55°C(Ice free)	
Operating humidity	45~85%RH	
Contact resistance	≤50mΩ	
Insulation resistance	≥100MΩ	
Dielectric strength	1890VAC/50Hz/60s	
Vibration resistance	50Hz, Amplitude 1.0mm	
Shock resistance	> 10g	
Mechanical life	momentary	≥2,000,000 times
	maintained, selector switch	≥1,000,000 times
	key-lock selector switch, emergency	≥500,000 times
Electrical life	≥200,000 times	
Terminal	Screw connection, wire diameter: 2×1.5mm Largest insert terminal: 6.3×0.8mm	

LAMP SPECIFICATIONS

Lamp type	Two-way LED lamp		
Rated voltage	AC/DC 6V	AC/DC 12V	AC/DC 24V
	AC/DC 36V	AC/DC 48V	AC/DC 110V
	AC/DC 220V	AC/DC 380V	
	AC 110V	AC 220V	AC 380V
Lamp color	R ● G ● Y ● B ● W ○		
Life	≥40000h		

SWITCH RATING

Rated insulation voltage(Ui)		440V					
Thermal current(Ith)		10A					
Rated voltage(Ue)		24V	48V	110V	220V	380V	
Rated current (Ie)	AC-15 50/60Hz	Resistive load	10A	-	10A	10A	-
		Inductive load	10A	-	6A	3A	2A
	DC-13	Resistive load	8A	4A	2.2A	1.1A	-
		Inductive load	6A	2A	1.2A	0.6A	-
Contact Material		Silver alloy					

Minimum adaptive load: 3V AC/DC 5mA (reference value) | (The scope of usage depends on the usage environment and load type)

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CONTACT DESCRIPTION OF SWITCH BASE

The number of the black label on the switch base :

- The first digit "1" indicates the first pair of contacts on the first switch base, and "2" indicates the second pair of contacts on the first switch base.
- The second digit "1, 2" refers to two terminals of the NC contact, "3, 4" refers to two terminals of the NO contact point.

Contact code	11	20	02	10	01
Contact name	1NO1NC	2NO	2NC	1NO	1NC
State diagram					

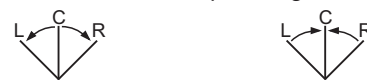
WORKING POSITION AND CORRESPONDING CONTACT STATE OF SELECTOR SWITCH

① Opening and closing state diagram of two positions and corresponding contacts



S/N	Model		
1	YJ139-LA39-11■/2		
2	YJ139-LA39-20■/2		
3	YJ139-LA39-02■/2		
4	YJ139-LA39-22■/2		
5	YJ139-LA39-31■/2		
6	YJ139-LA39-13■/2		
7	YJ139-LA39-40■/2		
8	YJ139-LA39-04■/2		

② Opening and closing state diagram of three positions and corresponding contacts



S/N	Model			
1	YJ139-LA39-11■/3			
2	YJ139-LA39-20■/3			
3	YJ139-LA39-02■/3			
4	YJ139-LA39-22■/3			
5	YJ139-LA39-31■/3			
6	YJ139-LA39-13■/3			
7	YJ139-LA39-40■/3			
8	YJ139-LA39-04■/3			

IMPLICATION OF TYPE

YJ139-LA39-	⊙	■/	□	△	○
Code of series	Contact:	Operating type:	Work position of selector switch:	Lamp voltage:	Color :
	11: 1NO1NC 20: 2NO 02: 2NC 10: 1NO 01: 1NC 22: 2NO2NC 40: 4NO NO and NC contacts can be combined as required	BN:flat momentary BNZS:flat maintained DN:flat illuminated momentary DNZS:flat illuminated maintained M: mushroom momentary MZS: mushroom maintained ZS: emergency X: selector switch XB: long handle selector switch Y: key-lock selector switch	21:2 position maintained 22:2 position momentary 31:3 position maintained 33:3 position momentary	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V AC/DC 380V AC 110V AC 220V AC 380V	■R ■G ■Y ■B ○W ■BL

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 (The following models are conventional models. Please consult other models for special requirements)

Picture	Operation	Model	Shape Dimensions
	Flat momentary	YJ139-LA39-11BN \circ	
	Flat maintained	YJ139-LA39-11BNZS \circ	
	Flat illuminated momentary	YJ139-LA39-11DN Δ \circ	
	Flat illuminated maintained	YJ139-LA39-11DNZS Δ \circ	
	Mushroom momentary	YJ139-LA39-11M \circ	
	Mushroom maintained	YJ139-LA39-11MZS \circ	
	2 position maintained selector switch	YJ139-LA39-11X/21	
	2 position momentary selector switch	YJ139-LA39-11X/22	
	3 position maintained selector switch	YJ139-LA39-20X/31	
	3 position momentary selector switch	YJ139-LA39-20X/33	
	Long handle 2 position maintained selector switch	YJ139-LA39-11XB/21	
	Long handle 2 position momentary selector switch	YJ139-LA39-11XB/22	
	Long handle 3 position maintained selector switch	YJ139-LA39-20XB/31	
	Long handle 3 position momentary selector switch	YJ139-LA39-20XB/33	
	Emergency	YJ139-LA39-11ZS	
	2 position maintained key-lock selector switch	YJ139-LA39-11Y/21	
	2 position momentary key-lock selector switch	YJ139-LA39-11Y/22	
	3 position maintained key-lock selector switch	YJ139-LA39-20Y/31	
	3 position momentary key-lock selector switch	YJ139-LA39-20Y/33	