

Button Switch $\Phi 22$

Quality as the root · Service as the base



YJ139-LA38M Series Button Switch

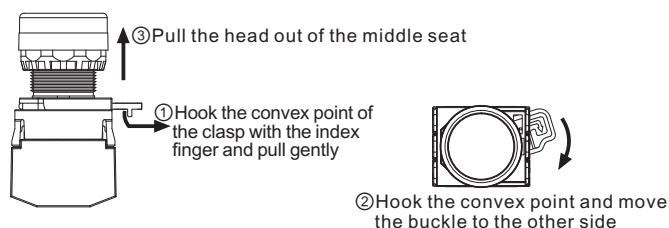


GENERAL

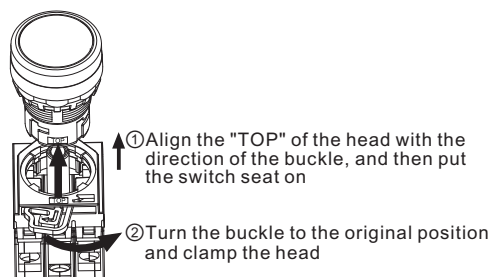
1. This series of products can be used for high frequency operation equipment, operating part and middle connection adopt convenient and quick installation way. It can be used under every terrible condition because of the lock, fall and vibration resistance.
2. The contact is a self-cleaning flat pressing slow action structure; It can ensure the power on sensitivity and operation life of high frequency operation, and can meet the requirements of a variety of specific control circuits.
3. Installation dimensions: $\Phi 22$ mm.
4. Function: momentary, maintained, illuminated button, selector switch, key-lock selector switch, emergency, mushroom, Stainless steel button, double-key button.
5. Contact combination: 1NO/1NC, contacts can be combined as required.
6. IP degree: IP40; Some products can be customized to IP65 or IP67

DISASSEMBLY AND INSTALLATION

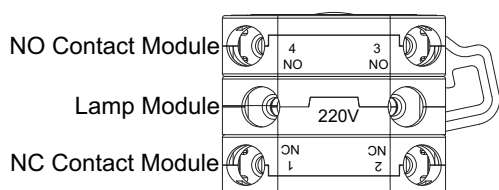
1. Disassembly steps



2. Installation steps



CONTACT DESCRIPTION



SPECIFICATION

Operating temperature		-25°C~+55°C(Ice free)
Operating humidity		45~85%RH
Contact resistance		$\leq 50\text{m}\Omega$
Insulation resistance		$\geq 100\text{M}\Omega$
Dielectric strength		1890VAC/50Hz/60s
Vibration resistance		50Hz, Amplitude 1.0mm
Shock resistance		> 10g
Mechanical life	momentary	$\geq 2,000,000$ times
	maintained, selector switch	$\geq 1,000,000$ times
	key-lock selector switch, emergency	$\geq 500,000$ times
Electrical life		$\geq 200,000$ times

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)

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	AC/DC 380V
Lamp color	R ● G ● Y ● B ● W ●		
Life	$\geq 40000\text{h}$		

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CONTACT DESCRIPTION OF SWITCH BASE

The number on the contact base:

● "1, 2" refers to two terminals of the NC contact, "3, 4" refers to two terminals of the NO contact.

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

WORKING POSITION AND CORRESPONDING CONTACT STATE OF SELECTOR SWITCH

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

		2 position maintained	2 position momentary
S/N	Model		
1	YJ139-LA38M-10■/2		
2	YJ139-LA38M-01■/2		
3	YJ139-LA38M-11■/2		
4	YJ139-LA38M-20■/2		
5	YJ139-LA38M-02■/2		
6	YJ139-LA38M-22■/2		
7	YJ139-LA38M-31■/2		
8	YJ139-LA38M-13■/2		
9	YJ139-LA38M-40■/2		
10	YJ139-LA38M-04■/2		

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

		3 position maintained	3 position momentary	3 position left maintained right momentary
S/N	Model			
1	YJ139-LA38M-11■/3			
2	YJ139-LA38M-20■/3			
3	YJ139-LA38M-02■/3			
4	YJ139-LA38M-22■/3			
5	YJ139-LA38M-31■/3			
6	YJ139-LA38M-13■/3			
7	YJ139-LA38M-40■/3			
8	YJ139-LA38M-04■/3			

IMPLICATION OF TYPE

YJ139-LA38M-	○	■/	□	▲	△	○
Code of series	Contact:	Operating type:	Work position of selector switch:	Special requirements function:	Lamp voltage:	Color :
	10: 1NO 01: 1NC 11: 1NO1NC 20: 2NO 02: 2NC 03: 3NC 22: 2NO2NC 40: 4NO 04: 4NC NO and NC contacts can be combined as required	BN:flat momentary BNZS:flat maintained DN:flat illuminated momentary DNZS:flat illuminated maintained GN: high momentary GNZS: high maintained GDN: high illuminated momentary GDNZS: high illuminated maintained E: ring lamp momentary EZ: ring lamp maintained M: mushroom momentary MZS: mushroom maintained ZS: emergency ZS/STOP: STOP symbol emergency ZS/A: metal emergency X: selector switch XB:long handle selector switch XD: illuminated selector switch Y: key-lock selector switch B: double-key button D: illuminated double-key button	21:2 position maintained 22:2 position momentary 31:3 position maintained 33:3 position momentary 32:3 position left maintained right momentary	No letters: convention S:stainless steel head F:waterproof FH:custom symbol FF:waterproof and custom symbol	AC/DC 3V AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 36V AC/DC 48V AC/DC 110V AC/DC 220V AC/DC 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.

YJ139-LA38M Series Button Switch

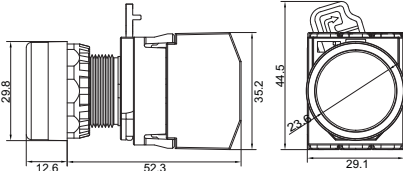
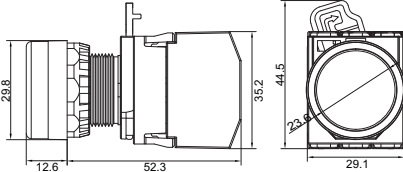
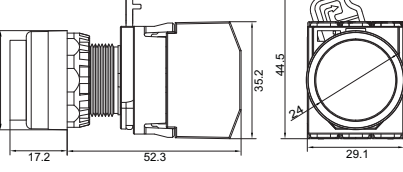
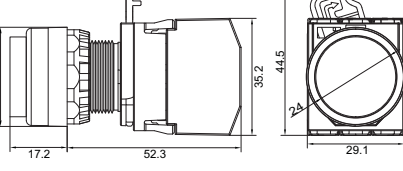
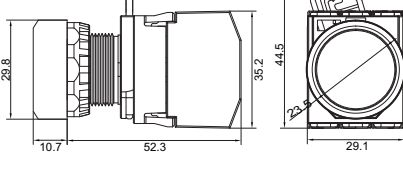
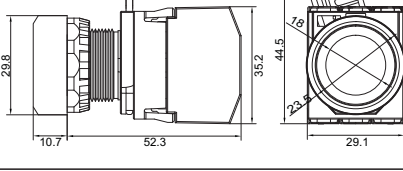
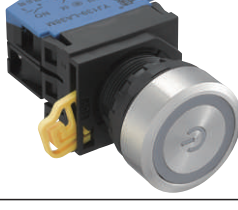
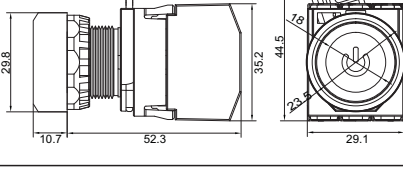
PRODUCT SELECTION (The following models are conventional models. Please consult other models for special requirements)

⊙ Contact 10, 01, 11, 20, 02, 22, 40, 04

△ LED voltage

(AC/DC)3V 6V 12V 24V 36V 48V 110V 220V 380V

☐ Color

Picture	Operation	Model	Shape Dimensions
	Flat momentary	YJ139-LA38M-10BN○	The default IP degree is IP40, and IP65 can be customized. 
		YJ139-LA38M-01BN○	
	Flat maintained	YJ139-LA38M-10BNZS○	
		YJ139-LA38M-01BNZS○	
	Flat illuminated momentary	YJ139-LA38M-10DN△○	The default IP degree is IP40, and IP65 can be customized. 
		YJ139-LA38M-01DN△○	
	Flat illuminated maintained	YJ139-LA38M-10DNZS△○	
		YJ139-LA38M-01DNZS△○	
	High momentary	YJ139-LA38M-10GN○	IP degree: IP40 
		YJ139-LA38M-01GN○	
	High maintained	YJ139-LA38M-10GNZS○	
		YJ139-LA38M-01GNZS○	
	High illuminated momentary	YJ139-LA38M-10GDN△○	IP degree: IP40 
		YJ139-LA38M-01GDN△○	
	High illuminated maintained	YJ139-LA38M-10GDNZS△○	
		YJ139-LA38M-01GDNZS△○	
	Stainless steel head momentary	YJ139-LA38M-10BN/S	IP degree: IP65 
		YJ139-LA38M-01BN/S	
	Stainless steel head maintained	YJ139-LA38M-10BNZS/S	
		YJ139-LA38M-01BNZS/S	
	Stainless steel head illuminated ring lamp momentary	YJ139-LA38M-10E/S△○	IP degree: IP65 
		YJ139-LA38M-01E/S△○	
	Stainless steel head illuminated ring lamp maintained	YJ139-LA38M-10EZ/S△○	
		YJ139-LA38M-01EZ/S△○	
	Stainless steel head illuminated ring lamp with luminous power logo momentary	YJ139-LA38M-10EP/S△○	IP degree: IP65 
		YJ139-LA38M-01EP/S△○	
	Stainless steel head illuminated ring lamp with luminous power logo maintained	YJ139-LA38M-10EZP/S△○	
		YJ139-LA38M-01EZP/S△○	

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

⊙ Contact 10, 01, 11, 20, 02, 22, 40, 04

△ LED voltage (AC/DC)3V 6V 12V 24V 36V 48V 110V 220V 380V

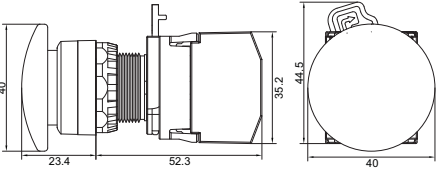
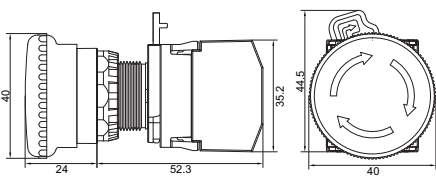
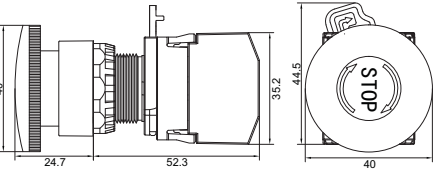
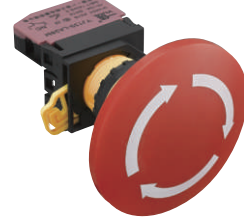
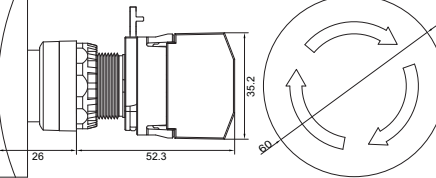
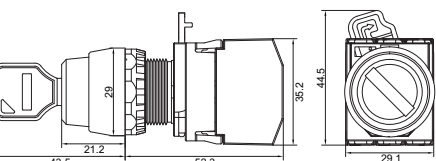
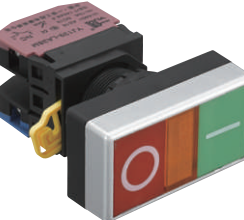
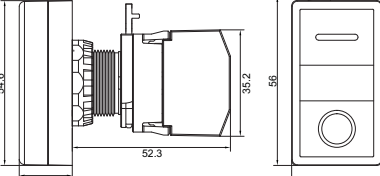
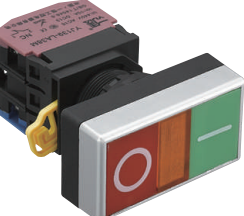
☐ Color

CHINA YIJIA INDUSTRIAL ELECTRICAL CO.,LTD.

YJ139-LA38M Series Button Switch

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

☐ Contact 10, 01, 11, 20, 02, 22, 40, 04
 ☐ LED voltage (AC/DC) 3V 6V 12V 24V 36V 48V 110V 220V 380V
 ☐ Color R G Y B W BL

Picture	Operation	Model	Shape Dimensions
	Mushroom illuminated momentary	YJ139-LA38M-10MD△○	The default IP degree is IP40, and IP65 can be customized. Selective Color○: R G Y 
		YJ139-LA38M-01MD△○	
	Mushroom illuminated maintained	YJ139-LA38M-10MZSD△○	
		YJ139-LA38M-01MZSD△○	
	Emergency	YJ139-LA38M-01ZS	IP degree: IP54; default red, selective Color○: G 
		YJ139-LA38M-02ZS	
		YJ139-LA38M-03ZS	
	STOP symbol emergency	YJ139-LA38M-01ZS/STOP	IP degree: IP40 
		YJ139-LA38M-02ZS/STOP	
		YJ139-LA38M-03ZS/STOP	
	φ60 big head emergency	YJ139-LA38M-01ZS/60	IP degree: IP40; default red, selective Color○: G 
		YJ139-LA38M-02ZS/60	
		YJ139-LA38M-03ZS/60	
	2 position maintained key-lock selector switch	YJ139-LA38M-10Y/21	IP degree: IP40 
	2 position momentary key-lock selector switch	YJ139-LA38M-10Y/22	
	3 position maintained key-lock selector switch	YJ139-LA38M-20Y/31	
	3 position momentary key-lock selector switch	YJ139-LA38M-20Y/33	
	3 position left maintained right momentary key-lock selector switch	YJ139-LA38M-20Y/32	
	Double-key momentary	YJ139-LA38M-11B	IP degree: IP40 
	Double-key illuminated momentary	YJ139-LA38M-11D△	IP degree: IP40 