

Button Switch $\Phi 22$

Quality as the root · Service as the base



YJ139-LA38M Series Button Switch

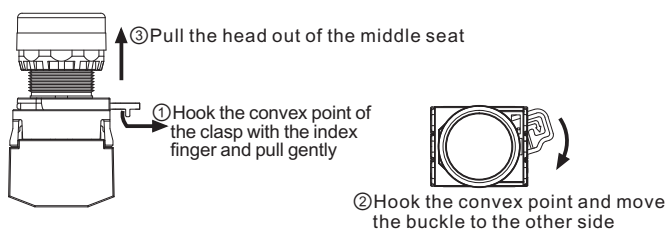


GENERAL

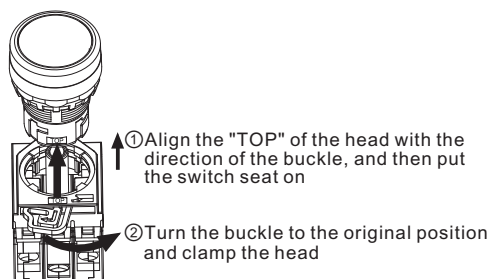
1. This series of products can be used for high frequency operation equipment, operating part and middle connection adopt convenient and quick installation way. It can be used under every terrible condition because of the lock, fall and vibration resistance.
2. The contact is a self-cleaning flat pressing 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

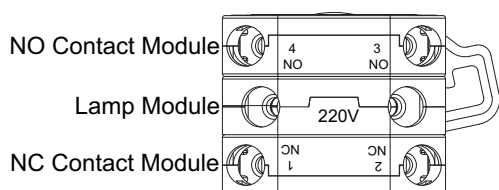
1. Disassembly steps



2. Installation steps



CONTACT DESCRIPTION



SPECIFICATION

| | | |
|-----------------------|-------------------------------------|------------------|
| Operating temperature | -25°C~+55°C(Ice free) | |
| Operating humidity | 45~85%RH | |
| Contact resistance | ≤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 | |

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 | ≥40000h | | |

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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 Opening and closing state diagram of three 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 | | |

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.

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



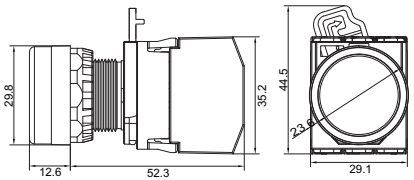

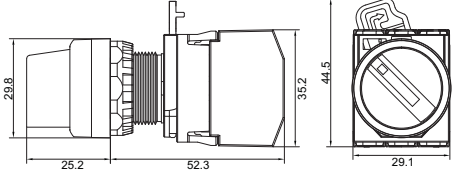

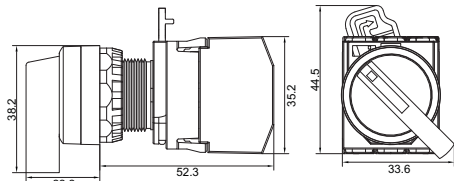

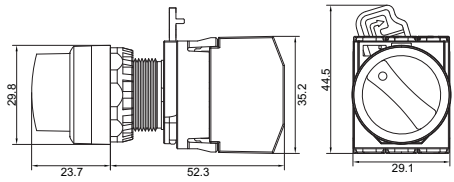

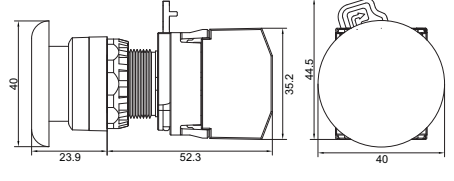

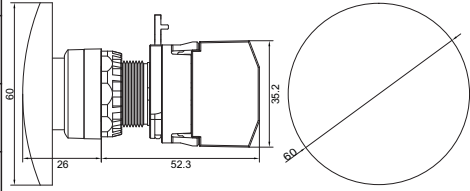
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| Picture | Operation | Model | Shape Dimensions |
|--|--|------------------------|---|
|   | Flat custom symbol momentary | YJ139-LA38M-10BN/FH○ | The default IP degree is IP40, and IP65 can be customized.  |
| | Flat custom symbol momentary | YJ139-LA38M-01BN/FH○ | |
| | Flat custom symbol maintained | YJ139-LA38M-10BNZS/FH○ | |
| | Flat custom symbol maintained | YJ139-LA38M-01BNZS/FH○ | |
|  | 2 position maintained selector switch | YJ139-LA38M-10X/21 | IP degree: IP40; default black, selective Color○: R G Y  |
| | 2 position momentary selector switch | YJ139-LA38M-10X/22 | |
| | 3 position maintained selector switch | YJ139-LA38M-20X/31 | |
| | 3 position momentary selector switch | YJ139-LA38M-20X/33 | |
| | 3 position left maintained right momentary selector switch | YJ139-LA38M-20X/32 | |
|  | Long handle 2 position maintained selector switch | YJ139-LA38M-10XB/21 | IP degree: IP40; default black, selective Color○: R G Y  |
| | Long handle 2 position momentary selector switch | YJ139-LA38M-10XB/22 | |
| | Long handle 3 position maintained selector switch | YJ139-LA38M-20XB/31 | |
| | Long handle 3 position momentary selector switch | YJ139-LA38M-20XB/33 | |
| | Long handle 3 position left maintained right momentary selector switch | YJ139-LA38M-20XB/32 | |
|  | 2 position maintained illuminated selector switch | YJ139-LA38M-10XD/21△○ | IP degree: IP40  |
| | 2 position momentary illuminated selector switch | YJ139-LA38M-10XD/22△○ | |
| | 3 position maintained illuminated selector switch | YJ139-LA38M-20XD/31△○ | |
| | 3 position momentary illuminated selector switch | YJ139-LA38M-20XD/33△○ | |
| | 3 position left maintained right momentary illuminated selector switch | YJ139-LA38M-20XD/32△○ | |
|  | Mushroom momentary | YJ139-LA38M-10M○ | The default IP degree is IP40, and IP65 can be customized. Selective Color○: R G Y  |
| | Mushroom momentary | YJ139-LA38M-01M○ | |
| | Mushroom maintained | YJ139-LA38M-10MZS○ | |
| | Mushroom maintained | YJ139-LA38M-01MZS○ | |
|  | $\phi 60$ big mushroom momentary | YJ139-LA38M-10M/60○ | The default IP degree is IP40, and IP65 can be customized. Selective Color○: R G  |
| | $\phi 60$ big mushroom momentary | YJ139-LA38M-01M/60○ | |
| | $\phi 60$ big mushroom maintained | YJ139-LA38M-10MZS/60○ | |
| | $\phi 60$ big mushroom maintained | YJ139-LA38M-01MZS/60○ | |


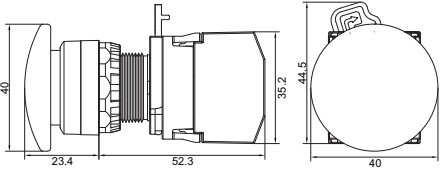
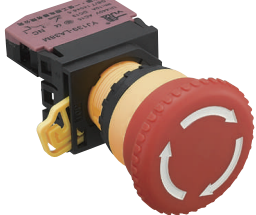
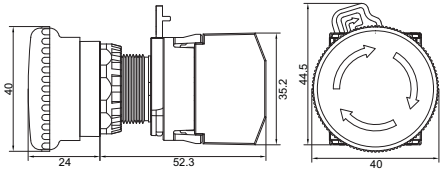

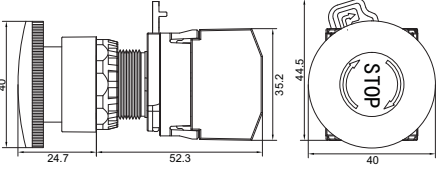
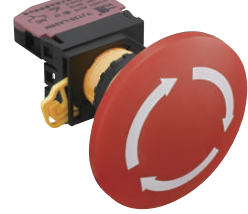
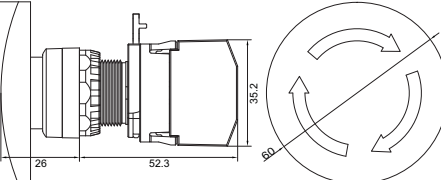

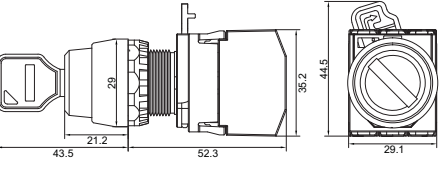
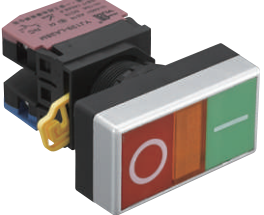
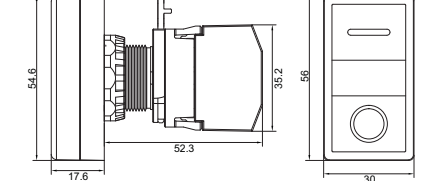
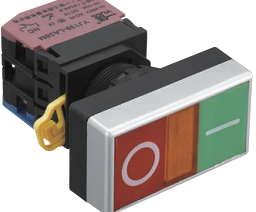
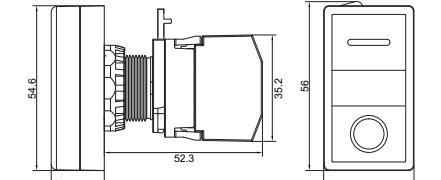
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| Picture | Operation | Model | Shape Dimensions |
|---|---|-------------------------------|--|
|  | Mushroom illuminated momentary | YJ139-LA38M-10MD Δ ○ | The default IP degree is IP40, and IP65 can be customized. Selective Color: R G Y B W BL  |
| | Mushroom illuminated maintained | YJ139-LA38M-01MD Δ ○ | |
| | Mushroom illuminated momentary | YJ139-LA38M-10MZSD Δ ○ | |
| | Mushroom illuminated maintained | YJ139-LA38M-01MZSD Δ ○ | |
|  | 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  |
| | | YJ139-LA38M-11D Δ | |
|  | Double-key illuminated momentary | YJ139-LA38M-11D Δ | IP degree: IP40  |
| | | YJ139-LA38M-11D Δ | |