



Shanghai Ebasee Electric Co.,Ltd
 Add: No.18 Gutang Road, Pudong,
 Shanghai,201209 P.R.China

Tel: +86 21 50320898
 Fax: +86 21 50320828
 http://www.ebasee.com

5. Delay setting

The digital display delay value, the power indicator light flashes, press ▲▼ key to modify, respectively, select from 1 second to 600 seconds. The default is 30 seconds. Each press will increment or decrease in 1 second. Press and hold ▲▼ to increment or decrease in 10 seconds.

6. Setting confirmation

After setting all the parameters, press and hold the Ⓜ button for 5 seconds to return to the display input voltage value, complete the settings and save.

7. Plays a key role

When Ⓜ this button is pressed, the product will forcibly cut off the output of the relay and disconnect the load for easy access to the circuit. The digital tube displays OFF. After pressing this button again, the product will resume output after 5 seconds delay and work normally.

Precautions

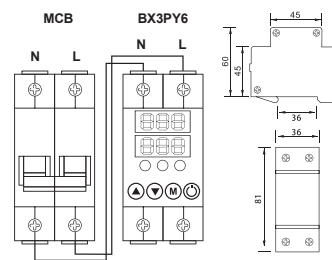
1. Mark the input and output terminals correctly according to the product. (The load current should be less than the protection current value of the product)
2. Neutral N cannot be connected incorrectly and must be reliably wired or the product will not work properly.

3. After the product is powered on, do not touch the live parts to avoid electric shock.

4. Since the product has an automatic reset function, the product should be removed and the load should be removed immediately after the product is protected and operated. And check the circuit, otherwise continuous protection, damage to the product can not protect the user's equipment safety.

5. Products that are not used for a long time should be protected from moisture and dust. Before use, they should be debugged according to the above contents, and they can be put into operation after normal operation.

Product wiring diagram



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Ebasee



BX3PY6

Intelligent over-voltage and current protector
USER'S MANUAL

Shanghai Ebasee Electric Co.,Ltd

Application

Intelligent over-voltage, over-current automatic reclosing protector integrated over-voltage protection, under-voltage protection, over-current protection as one integrated intelligent circuit breaker, when there is over-voltage fault in the line, under-voltage fault over-current fault, etc. This product can cut off the power supply instantaneously and protect the electrical equipment from being burnt. When the line returns to normal, the protector can automatically supply power. The over-voltage value, under-voltage value, over-current value and delay value of this product can be set by themselves.

Product features

1. A new generation of self-resetting over-voltage and under-voltage protector designed and manufactured according to the national standard JB/T12762-2015.
2. The single-phase line finds over-voltage, the line is cut off when the over-current fault occurs, and the single-phase line voltage returns to normal. After the delay, the line is automatically reset and no manual operation is required.
3. The transient or transient over-voltage of the line is to protect the product from malfunction.
4. The line is not connected to the line when there is a voltage instability or sudden power failure and a sudden incoming call due to a fault such as a contact failure.

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Normal use conditions and installation conditions

1. normal use conditions

- 1.1 Ambient air temperature: -5 C — +40 C
- 1.2 Altitude: ≤ 2000m.
- 1.3 Humidity: The relative humidity of the air at the installation site shall not exceed 50% when the ambient air temperature is +40 °C, and may have a higher relative humidity at a lower temperature.
- 1.4 Pollution degree 3

2. Installation conditions

- 2.1 The protector can be installed vertically or horizontally in the cabinet. Special requirements must be ordered.
- 2.2 It shall be installed in a medium free of explosion hazard, and there shall be no gas or conductive dust in the medium which is sufficient to corrode metal and destroy insulation.
- 2.3 Should be installed in places where there is no rain or snow.

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The main technical parameters

1. Rated voltage 220V, frequency 50Hz
2. Rated current 1A-63A adjustable (default 63A)
3. Under-voltage action cutoff value: 210V-140V adjustable (default 140V)
4. Over-voltage action cutoff value: 230V-300V adjustable (default 280V)
5. Power-off delay after power failure: 5S
6. Delay range: 1S-600S adjustable (default 30 seconds)
7. Electrical and mechanical life ≥ 50,000 times
8. Dimensions: 81*35*60mm
9. Over-voltage operation recovery value is 5V of set value, over-current recovery value is less than set value 1A
10. This product is for going in and out or going in and out, please specify when ordering.
11. Rated operating characteristics and operating time
12. Rated connection capacity: The current value of the protector that can be switched on and off under long-term continuous working conditions. Rated current priority value: 10A 20A 32A 40A 50A 63A
13. Rated limit overload current 63A

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Product settings

1. Tap the Ⓜ button to enter the setting state.
2. Over-voltage setting
 The digital display shows the over-voltage value and the over-voltage indicator flashes. Press ▲▼ to modify it. Choose within 210V-300V.
 The default is 280V, each press to increment or decrease by 1V, long press ▲▼ to increase or decrease by 10V.
3. Under-voltage setting
 Digital display under-voltage value, under-voltage indicator flashes, press ▲▼ button to modify, select within 210V-140V. The default is 140V. Each press will increment or decrease by 1V. Press ▲▼ to increment or decrease by 10V.
4. Over-current setting
 The digital display current value, the over-current indicator light flashes, press ▲▼ key to modify, select within 1A-63A. The default is 20A, each press to increment or decrease by 1A, long press ▲▼ to increase or decrease by 10A.

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