

BB1-63

PV Mini Circuit Breakers

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BB1-63

PV Mini Circuit Breakers



- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Ultimate Breaking Capacity
- 6 Certificate Symbol
- 7 Standard Code
- 8 Indicator
- 9 Wiring Diagram

- Nonpolarity
- High Short-Circuit / Breaking Capacity
- Functions: Overload, Short Circuit, Unfrequent Operation and, Anti-reflux Protection
- Rated Voltage: 1200V, Ultimate
- Breaking Capacity : 6KA
- Rated Current: 63A
- Comply with : IEC60947-2/GB14048-2



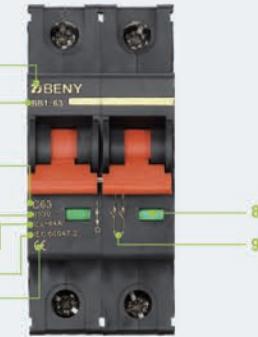
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DC Circuit Breakers

Application

ZBENY BB1 Series PV Mini Circuit Breakers are mainly applied to DC solar combiner box ,Controller etc. The main function include overload protection ,Anti-reflux protection and short-circuit protection. Scientific design of arc-extinguishing system keep solar system more safe. Max Voltage up to 1200V DC, current up to 63A.

Appearance Introduction



Type Instruction

| BB1 | 63 | 4P | 25 | 1200V |
|--------------------------|-------------------|----------------------|---|-------------------------------|
| Product Code | Max Rated Current | Pole | Rated Current | Rated Voltage |
| PV Mini Circuit Breakers | 63A | 1P 2P 3P 4P | 3A,4A,6A 10A,13A,16A 20A,25A,32A 40A,50A,63A | 300V 600V 900V 1200V |

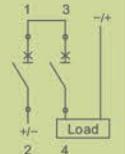
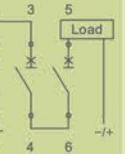
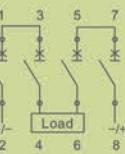
Parameter

| Electrical Characteristics | | BB1-63 | | | |
|---------------------------------|----------------|--|---------|---------|----------|
| Type | Comply with | IEC60947-2/GB14048.2 | | | |
| Pole | | 1P | 2P | 3P | 4P |
| Rated Working Voltage | Ue | 300V DC | 600V DC | 900V DC | 1200V DC |
| Max Rated Current | | | | | 63A |
| Rated Current | In | 3A, 4A, 6A, 10A, 13A, 16A, 20A, 25A, 32A, 40A, 50A, 63A | | | |
| Rated Insulated Voltage | Ui | | | | 1200V DC |
| Rated Impulsed Voltage | Uiimp | | | | 4KV |
| Ultimate Breaking Capacity | Icu | | | | 6KA |
| Run Breaking Capacity | Ics | | | | 100% |
| Curve Type | | | | | B |
| Tripping Type | | Thermal Magnetic Type | | | |
| Service Life/cycle Operation | | | | | |
| Mechanical | Actual Value | 20000 | | | |
| | Standard Value | 8500 | | | |
| Electrical | Actual Value | 4000 | | | |
| | Standard Value | 1500 | | | |
| Installation Environment | | | | | |
| Ingress Protection | | All Sides IP40 ,Connection Terminal IP20 | | | |
| Terminal Cross Section | | 2.5-25mm ² | | | |
| Working Temperature | | -25°C~+70°C | | | |
| Storage Temperature | | -40°C~+85°C | | | |
| Resistance to Humidity And Heat | | II (when Humidity arrived to 55°C, Relative Humidity95%) | | | |
| Resistance to Shock | | 2.6 IEC60068 | | | |
| Resistance to Impack | | 2.27 IEC60068 | | | |

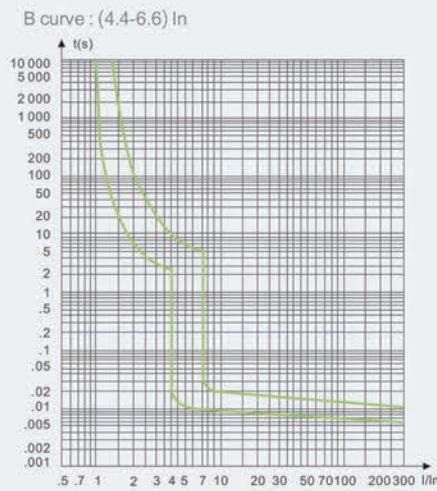
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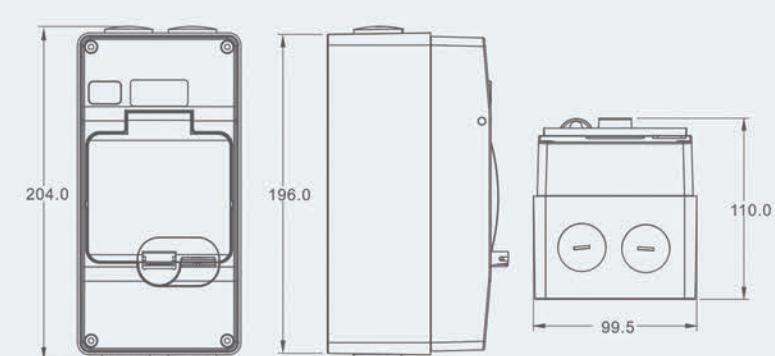
Wiring Method

| Pole | 1P | 2P | 3P | 4P |
|--------------------------|---|---|---|---|
| Type |  |  |  |  |
| Contacts Wiring graph |  |  |  |  |

Characteristic Curve



Dimensions(mm)



Dimensions(mm)

