

Description:

BB1-63 PV miniature circuit breakers are designed for solar DC strings protection according to UL489B standard. Offer overload protection, anti-reflux function and short-circuit protection to solar PV systems, UPS and BESS. The new design brings higher safety and durable working life.

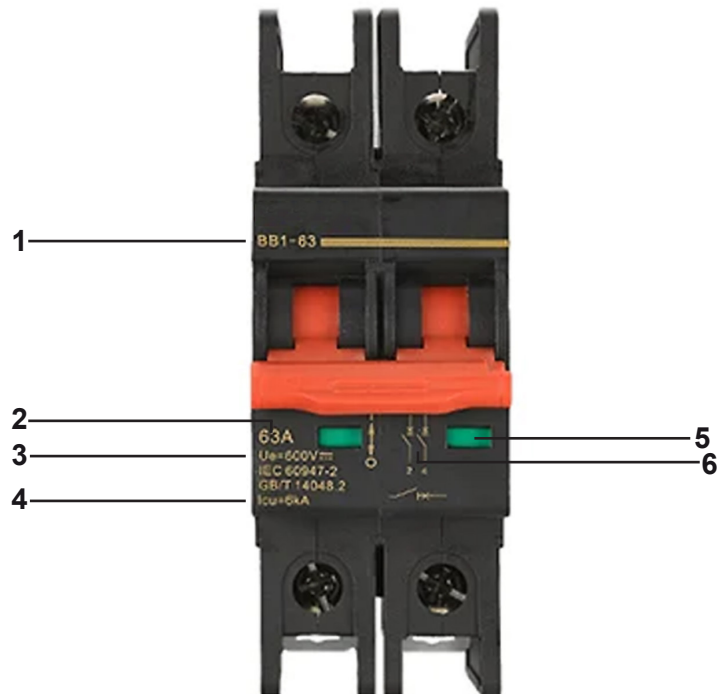
Features:

- Nonpolarity
- High Short-Circuit / Breaking Capacity
- Functions: Overload, Short Circuit, Unfrequent Operation and Anti-reflux Protection
- Rated Voltage: 1200V, Ultimate
- Breaking Capacity: 5kA
- Rated Current: 50A
- Comply with: UL489B



Appearance Introduction

- 1 Type
- 2 Rated Current
- 3 Rated Voltage
- 4 Standard Code
- 5 Indicator
- 6 Wiring Diagram



Type Instruction





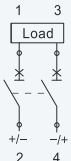
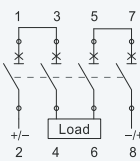
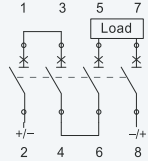
BB1F-63

with IP65 Waterproof Enclosure

Parameter

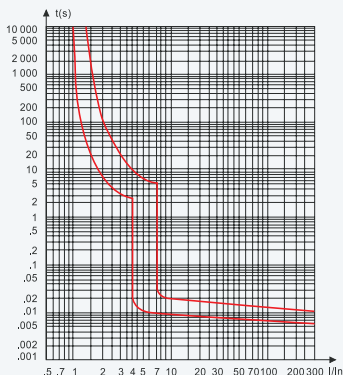
Electrical Characteristics		
Type	BB1-63	
Comply with	UL 489B	
Pole	2P	4P
Rated Working Voltage	Ue	600V DC 1200V DC
Conventional thermal current	I _{th}	63A
Rated Current	I _n	2A,3A, 4A, 6A,10A,13A,16A,20A,25A,32A,40A,50A
Rated Insulated Voltage	U _i	1200V DC
Rated Impulsed Voltage	U _{imp}	6kV
Ultimate Breaking Capacity	I _{cs}	5kA
Tripping Type	Thermal Magnetic Type	
Service Life/Cycle Operation		
Mechanical	Actual Value	10000
	Standard Value	1000
Electrical	Actual Value	1000
	Standard Value	1000
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 temperature arrived to 55°C, Relative Humidity95%)	

Wiring Meth

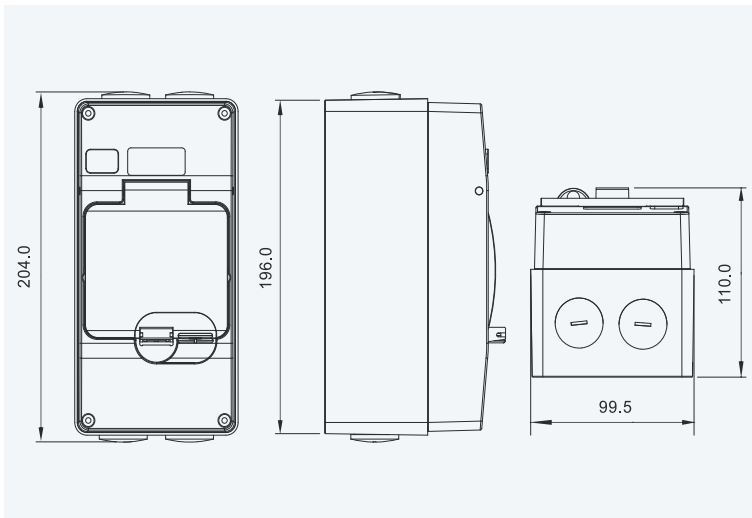
Pole	2P	4P
Type		
Contacts Wiring graph	2B 	4A 
	4B 	

Characteristic Curve

B curve : (4-6) In



Waterproof Enclosure Dimensions (mm)



Dimensions (mm)

