

BB1-63

PV Miniature Circuit Breakers

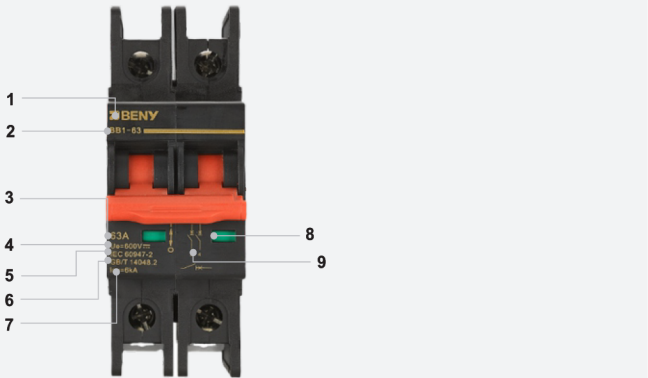
- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Ultimate Breaking Capacity
- 6 Certificate Symbol
- 7 Standard Code
- 8 Indicator
- 9 Wiring Diagram

- 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:50A
- Comply with : UL 489B

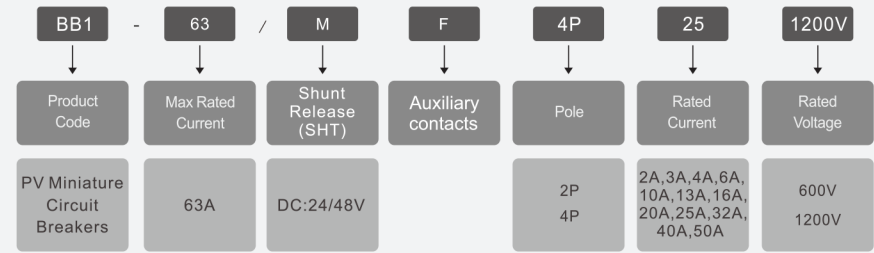
Application

BENY 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.

Appearance Introduction





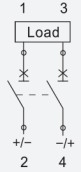
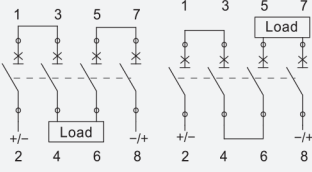
Type Instruction



Parameter

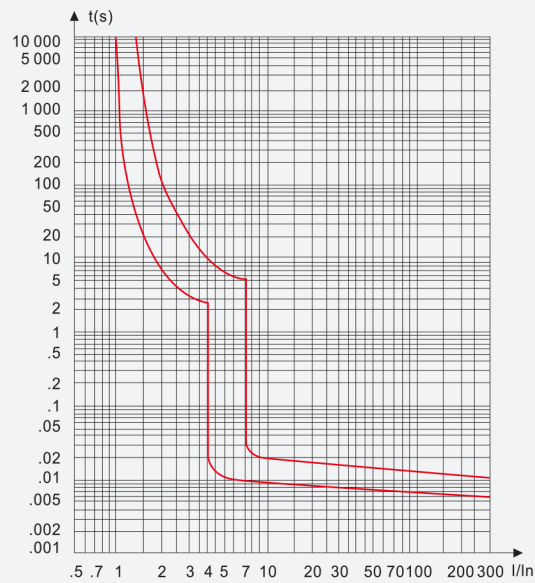
Electrical Characteristics			
Type		BB1-63	
Comply with		UL 489B	
Pole		2P	4P
Rated Working Voltage	Ue	600V DC	1200V DC
Conventional thermal current	I _{th}	63A	
Rated Current	I _n	2A,3A, 4A, 6A,10A,13A,16A,20A,25A,32A,40A,50A	
Rated Insulated Voltage	Ui	1200V DC	
Rated Impulsed Voltage	U _{imp}	6kV	
Ultimate Breaking Capacity	I _{cs}	6kA	
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℃ ~ +70℃	
Storage Temperature		-40℃ ~ +85℃	
Resistance to Humidity And Heat		II (when temperature arrived to 55℃, Relative Humidity95%)	

Wiring Meth

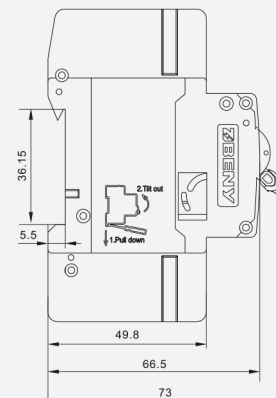
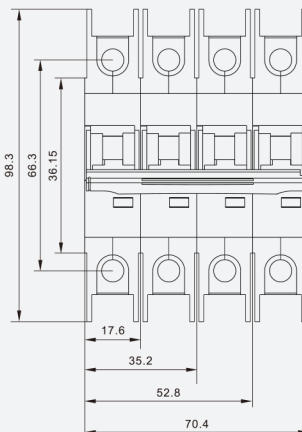
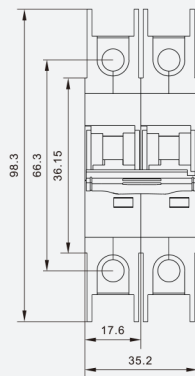
Pole	2P	4P
Type		
Contacts Wiring graph		

Characteristic Curve

B curve : (4-6) In



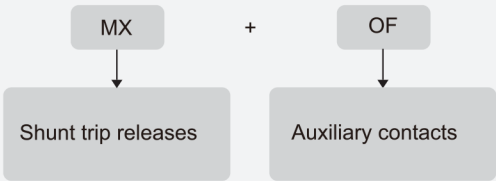
Dimensions(mm)



Shunt Release and Auxiliary contact for BB1-63

- Shunt Release and Auxiliary contacts for installation devices BB1-63
- Shunt trip releases and Auxiliary contacts

Type Instruction



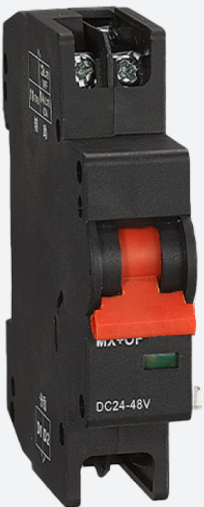
MX+OF1

Electrical parameters

MX+OF			
Contacts	1 changeover (CO)		
Contact function	Shunt trip releases		
Rated op. voltage	Shunt trip releases	AC	Ie=2A Ue=220/415V
			Ie=2A Ue=24/48V
	Auxiliary contacts	DC	Ie=2A Ue=24/48V
		AC	Ie=3A Ue=220/415V
Rated frequency	50/60 Hz		

Mechanical parameters

Mounting	easy fastening onto 35 mm device rail
Degree of protection	(DIN) IP20
Terminals	lift
Terminal capacity	≤1mm²
Fastening torque of terminals	0.8 — 1 Nm
Working temperture	- 35 ~ + 70



Dimensions(mm) (WithMX+OF)

