

BB2-40

PV Mini Circuit Breakers

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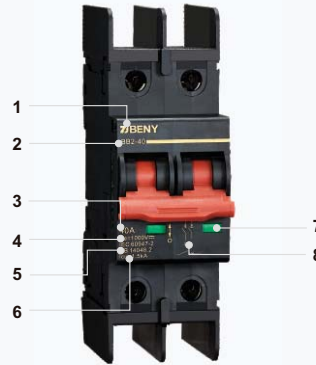
- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Standard Code
- 6 Ultimate Breaking Capacity
- 7 Indicator
- 8 Wiring Diagram

- Nonpolarity
- High Short-Circuit / Breaking Capacity
- Functions: Overload, Short Circuit, Unfrequent Operation and, Anti-reflux Protection
- Rated Voltage: 1500V, Ultimate
- Breaking Capacity : 1.5KA
- Rated Current: 40A
- Comply with : IEC60947-2

Application

ZBENY BB2-40 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 1500V DC, current up to 40A.

Appearance Introduction



Type Instruction

BB2	-	40	2P	25	1000V
↓		↓	↓	↓	↓
Product Code		Max Rated Current	Pole	Rated Current	Rated Voltage
PV Mini Circuit Breakers		40A	1P 2P 3P	2A,4A,6A 10A,13A,16A 20A,25A, 32A,40A,	600V 1000V 1500V

Parameter

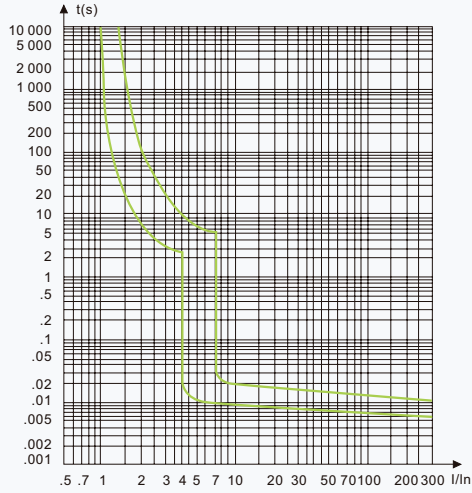
Electrical Characteristics		BB2-40		
Type		BB2-40		
Comply with		IEC60947-2/GB14048.2		
Pole		1P	2P	3P
Rated Working Voltage	Ue	600V DC	1000V DC	1500V DC
Max Rated Current		40A		
Rated Current	In	2A,4A,6A,10A,13A,16A,20A,25A,32A,40A		
Rated Insulated Voltage	Ui	1500V DC		
Rated Impulsed Voltage	Uimp	8KV		
Ultimate Breaking Capacity	Icu	1.5KA		
Run Breaking Capacity	Ics	100%		
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 Impact		2.27 IEC60068		

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Characteristic Curve

B curve : (4.4-6.6) I_n



Wiring Method

Pole	1P	2P	3P
Type			
Contacts Wiring graph			

Dimensions(mm)

