

BD

Series PV DC Moulded Case Circuit Breaker

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BD Series PV DC Moulded Case Circuit Breaker



- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Breaking Capacity
- 6 Operation Breaking Capacity
- 7 Standard Code
- 8 Certificate Symbol
- 9 Wiring Diagram
- 10 Characteristic Curve

- High Short-Circuit/Breaking Capacity
- Protection Functions: Overload, Short circuit, Unfrequent Operation
- Rated Voltage up to 1000V DC
- Rated Current 125A, 250A, 400A, 630A
- IEC60947-2, GB14048-2
- Easy Installation



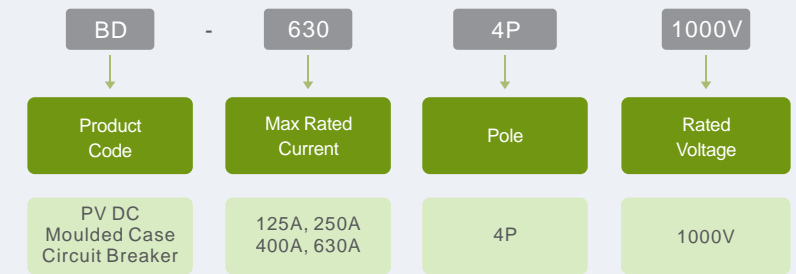
Application

ZBENY BD series PV DC Moulded Case Circuit Breaker (MCCB) are mainly used in large solar power system, which are applied for solar DC combiner box, inverter and DC power distribution cabinet. Rated voltage up to 1000V DC, current up to 630A, with the function of overload protection and short-circuit protection.

Appearance Introduction



Type Instruction

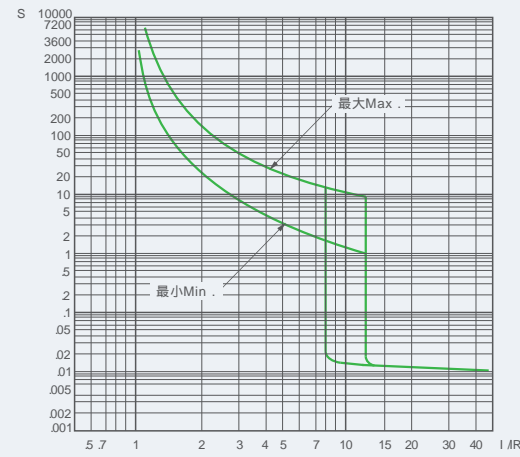


Parameter

BD series PV DC MCCB					
Type		BD-125	BD-250	BD-400	BD-630
Pole		4P	4P	4P	4P
Max Rated Current		125A	250A	400A	630A
Electrical Characteristics					
Rated Working Voltage	Ue	1000V DC	1000V DC	1000V DC	1000V DC
Rated Current	In(A)	63/80 100/125	125/160 200/250	250/300/315 350/400	400/500/630
Rated Insulated Voltage	Ui	1000V DC			
Rated Impulsed Voltage	Uimp	8KV			
1 Min Power Frequency Withstand Voltage		3.8 KV	3.8 KV	3.8 KV	3.8 KV
Ultimate Breaking Capacity	Icu	20 KA	20 KA	20 KA	20 KA
Run Breaking Capacity	Ics	15 KA	15 KA	15 KA	15 KA
Protection					
Tripping Type		Thermal Magnetic Type			
Control And Indication					
Control Mode	Manual	Direct (RHD)			Optional
		Extended(ERH)			Optional
	MOD				Optional
	Shunt Release (SHT)				Optional
	Auxiliary Release				Optional
	Terminal End Cover				Yes
	Interphase Barriers				Yes
Service Life/Cycle Operation					
	Mechanical	14000	14000	5000	5000
	Electrical	5000	5000	1500	1500
	Size (L x W x H)	150x122x92	165x140x89	258x198x107	282x282x115
	Ingress Protection	All Sides IP40, Connection Terminal IP20			
Installation Environment					
	Comply With	IEC60947-2/GB14048.2			
	Storage Temperature	-45°C ~ +70°C			

BD Series
PV DC Moulded Case Circuit Breaker

Characteristic Curve



Type	BD-125	BD-250	BD-400	BD-630
Picture				

Type	Type Y MCCB				Type S MCCB
Contacts Wiring graph					

Dimensions(mm)

125A	250A
400A	630A

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BD2 Series PV DC Moulded Case Circuit Breaker



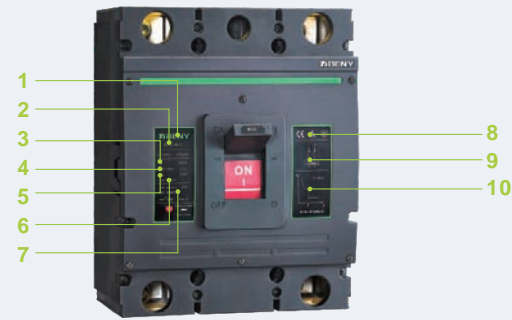
- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Breaking Capacity
- 6 Operation Breaking Capacity
- 7 Standard Code
- 8 Certificate Symbol
- 9 Wiring Diagram
- 10 Characteristic Curve

- High Short-Circuit/Breaking Capacity
- Protection Functions: Overload, Short circuit, Unfrequent Operation
- Rated Voltage up to 1000V DC
- Rated Current 225A, 400A
- IEC60947-2, GB14048-2
- Easy Installation

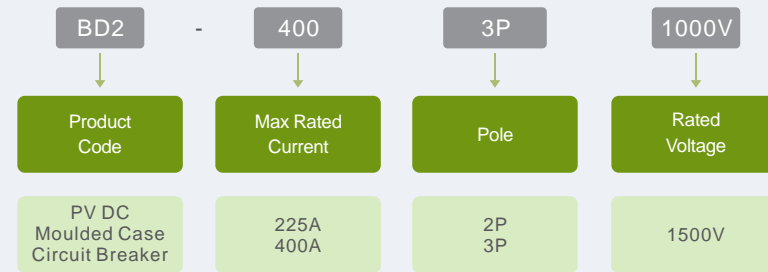
Application

ZBENY BD2 series PV DC Moulded Case Circuit Breaker (MCCB) are mainly used in large solar power system, which are applied for solar DC combiner box, inverter and DC power distribution cabinet. Rated voltage up to 1500V DC, current up to 400A, with the function of overload protection and short-circuit protection.

Appearance Introduction



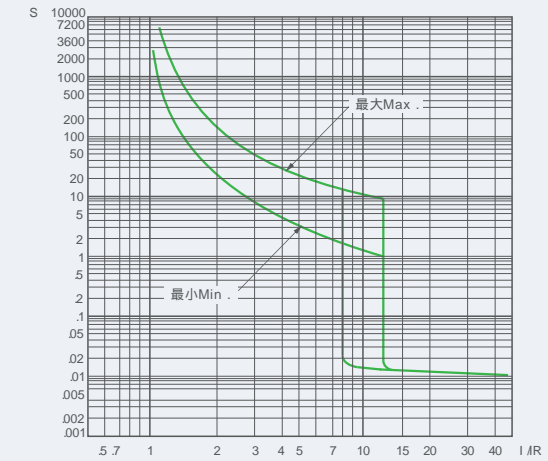
Type Instruction



Parameter

BD2 series PV DC MCCB				
Type	BD2-225T	BD2-225S	BD2-400	
Pole	2P	3P	3P	
Max Rated Current	225A	225A	400A	
Electrical Characteristics				
Rated Working Voltage U _e	1000V DC	1500V DC	1500V DC	
Rated Current I _n (A)	80A/100A/125A/160A/200A/225A	80A/100A/125A/160A/200A/225A	250A/300A/350A/400A	
Rated Insulated Voltage U _i	1000V DC	1500V DC	1500V DC	
Rated Impulsed Voltage U _{imp}	8KV			
1 Min Power Frequency Withstand Voltage	3.8 KV			
Ultimate Breaking Capacity I _{cu}	20 KA			
Run Breaking Capacity I _{cs}	15 KA			
Instantaneous action	8In			
Protection				
Tripping Type	Thermal Magnetic Type			
Control And Indication				
Control Mode	Manual	Direct (RHD)	Optional	
		Extended(ERH)	Optional	
	MOD		Optional	
Shunt Release (SHT)			Optional	
Auxiliary Release			Optional	
Terminal End Cover			Yes	
Interphase Barriers			Yes	
Service Life/Cycle Operation				
Mechanical	8500	8500	4000	
Electrical	1500	1500	1000	
Size (L x W x H)	180x92x87	180x135x87	258x204x119	
Ingress Protection	All Sides IP40, Connection Terminal IP20			
Installation Environment				
Comply With	IEC60947-2/GB14048.2			
Storage Temperature	-45°C ~+70°C			

Characteristic Curve



Type	BD2-225T	BD2-225S	BD2-400
Picture			
Contacts Wiring graph			

Dimensions(mm)

BD2-225T	BD2-225S
BD2-400	