

BDM 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

- High Short-Circuit/Breaking Capacity
- Protection Functions: Overload, Short circuit , Unfrequent Operation
- Rated Voltage up to 500V DC
- Rated Current 125A, 250A
- IEC60947-2, GB14048-2
- Easy Installation



BDM-125
with IP65 Enclosure

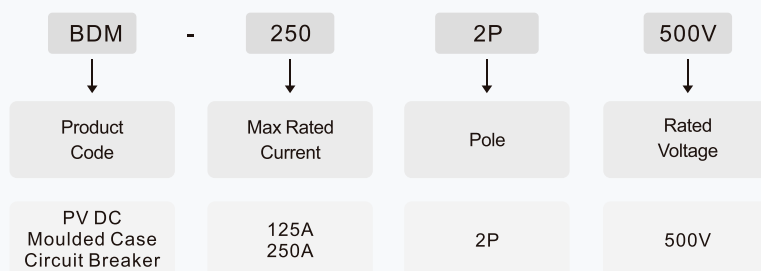
Application

ZBENY BDM 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 500V DC, current up to 250A , with the function of overload protection and short-circuit protection.

Appearance Introduction



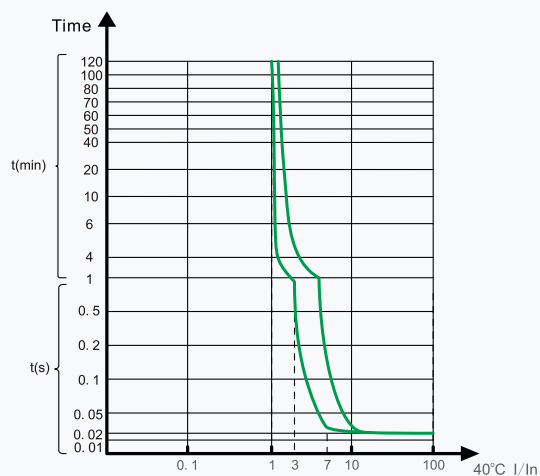
Type Instruction



Parameter

BD2 series PV DC MCCB				
Type	BDM-125		BDM-250	
Pole			2P	
Max Rated Current	125A		250A	
Electrical Characteristics				
Rated Working Voltage	Ue	500V DC		
Rated Current	In(A)	65A, 80A 100A, 125A	125A, 160A, 200A, 250A	
Rated Insulated Voltage	Ui	500V DC		
Rated Impulsed Voltage	Uimp	8KV		
1 Min Power Frequency Withstand Voltage		3.8 KV		
Ultimate Breaking Capacity	Icu	15 KA		
Run Breaking Capacity	Ics	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	
Interphase Barriers			Yes	
Service Life/Cycle Operation				
Mechanical			10000	
Electrical			2000	
Size (L x W x H)	150.5x64.5x119mm		164.5x79.5x118mm	
Ingress Protection	All Sides IP40 ,Connection Terminal IP20			
Installation Environment				
Comply With	IEC60947-2/GB14048.2			
Storage Temperature	-40°C~+85°C			
Wire size (min.-max.)	16mm ² – 50mm ²		50mm ² – 120mm ²	

Characteristic Curve



Type	BDM-125	BDM-250
Picture		
Contacts Wiring graph		

Dimensions(mm)

BDM-125	BDM-250
IP65 Waterproof Enclosure for BDM-125	IP65 Waterproof Enclosure for BDM-250