

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

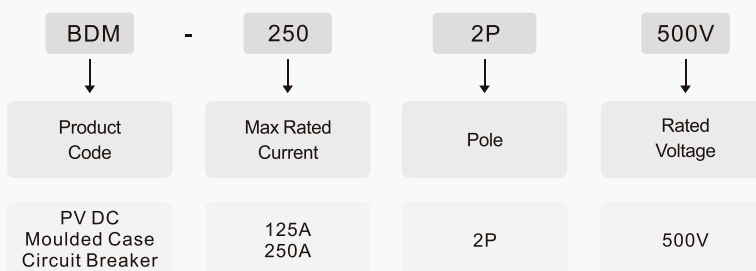
Application

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



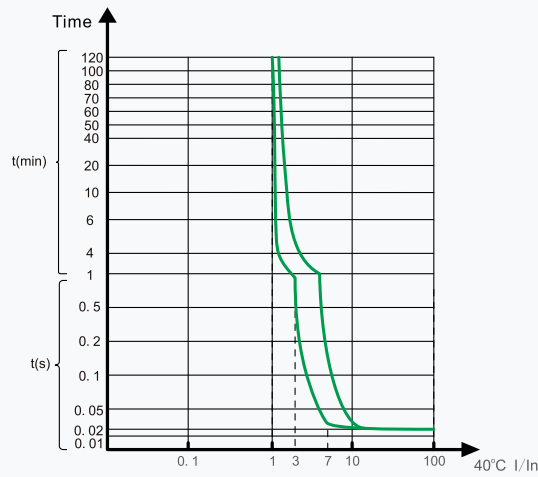
Type Instruction



Parameter

BDM 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
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		
Shunt Release (SHT)	Optional	N/A
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