

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

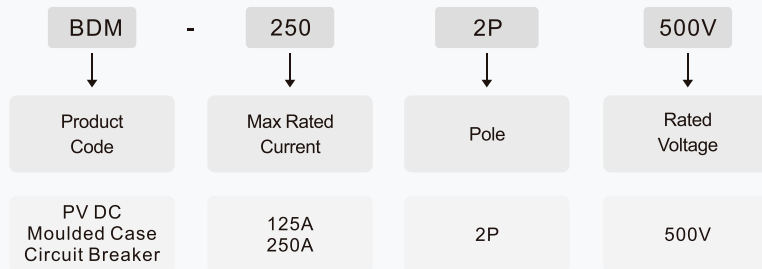
Application

ZIBENY 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



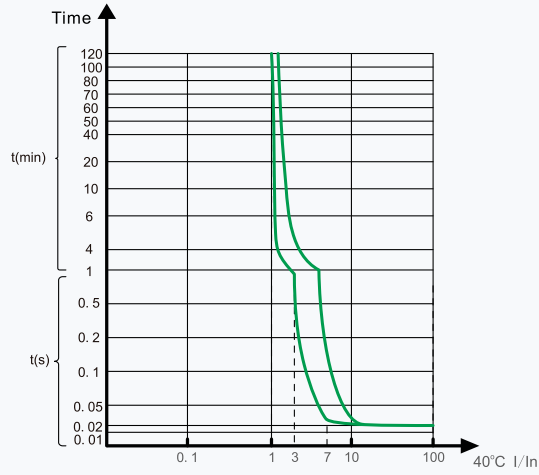
Type Instruction



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, 175A, 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
Auxiliary Release			Optional
Terminal End Cover			Yes
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	

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