

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

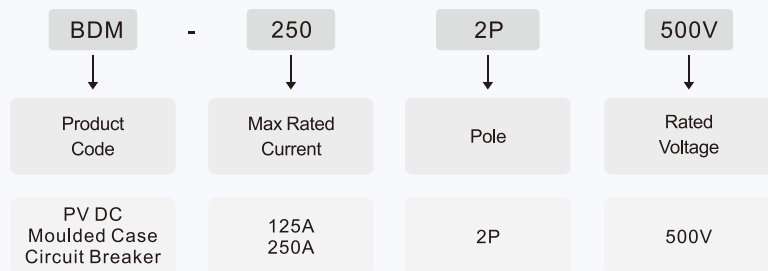
Application

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

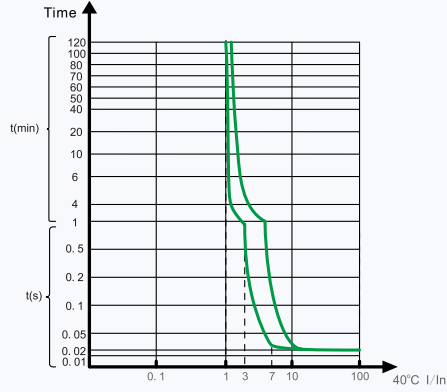


Parameter

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	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	In IP65Enclosure	
Installation Environment			
	Comply With	IEC60947-2/GB14048.2	
	Storage Temperature	-45°C~+70°C	

BDM Series PV DC Moulded Case Circuit Breaker

Characteristic Curve



Type	BDM-125	BDM-250
Picture		
Contacts Wiring graph		

Dimensions(mm)

BDM-125	BDM-250
<p>Dimensions: 64.5 (width), 119 (height), 85 (depth), 150.5 (total height), 126.2 (height to handle).</p>	<p>Dimensions: 79.5 (width), 118 (height), 78.7 (depth), 164.5 (total height), 126.2 (height to handle).</p>
IP65 Waterproof Enclosure for BDM-125	IP65 Waterproof Enclosure for BDM-250
<p>Dimensions: 153.7 (width), 270.7 (height), 129.8 (height to handle), 117.6 (height to terminals).</p>	<p>Dimensions: 153.7 (width), 270.7 (height), 133.8 (height to handle), 121.6 (height to terminals).</p>