

Model and significance

SM8

-

250

H

/

PV

DC1500V

250

Product code
MCCB

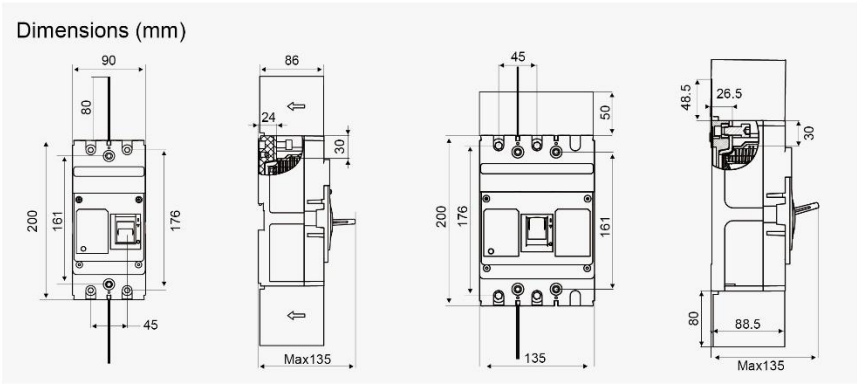
Case grade:250

Breaking capacity:
H(15kA)

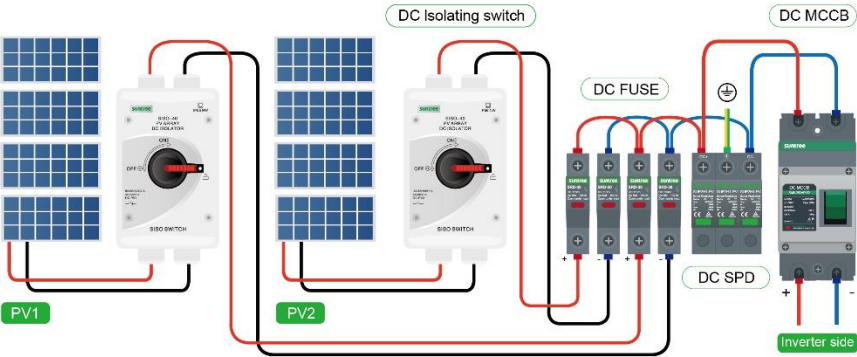
PV code:
DC dedicated

Rated working voltage:
1000、1250、1500V

Rated working current:
100/125/160/200/225/250



Wiring diagram



Electrical technical reference

Product Model	SM8-250HPV /2P 1000V 1200V		SM8-250HPV /3P 1500V	
Product name	PV DC MCCB		PV DC MCCB	
Rated service voltage Ue	DC1000V 1200V		DC1500V	
Rated insulation voltage Ui	1500V		1500V	
Rated impulse withstand voltage Uimp	12kV		12kV	
Numbers of poles	2		3	
Trip type	Thermal magnetic (thermal magnetic non adjustable) TMD fixed			
Manufacturing standards	GB14048.2, IEC/EN 60947-2			
Use category	A(PV-1)			
Current shell frame In	250A			
Rated service current Ie	100/125/160/200/225/250A			
Breaking type	H			
Ultimate short circuit breaking capacity Icu	Ue1000v 20kA	Ue1200v 20kA	Ue1500v 15kA	Ue1250v 20kA
Rated service short-circuit breaking capacity Ics	75%ICU		Ue1500v 15kA	Ue1250v 20kA
Current setting Ir	1In			
Instantaneous short circuit protection Li	6In (Min1000A)			
Mechanical life	10000Times			
Electrical life	2000Times			
Overall dimensions L x W x H	90×200 × 86mm		135×200 × 135mm	
Installation mode	Fixed			
Ingress protection	Wiring terminal: IP20/all sides: IP40			
Relative humidity	Not more than 95% at +50℃			
With wiring polarity requirements or not	NO			
Class of pollution	Level 3			
Service temperature	-40℃ -+75℃			
Operation indications	ON/OFF indication			
Whether the trip is adjustable	NO			
Electrical accessories	Option: shunt/auxiliary/alarm (note: only one set of auxiliary, alarm and shunt can be installed on the left and right side) 2P only on the left side			
Isolating function	Yes			

