

FPVM

Solar DC Moulded Case Circuit Breaker (DC MCCB)

FPVM series Moulded Case Circuit Breaker is designed to distribute power and protect the circuit and power equipment against overload in solar system. It is apply to rating current 1250A or less, direct current rating voltage 1500V or less. Products according IEC60947-2, GB14048.2 standard.



Specifications

Model		FPVM-125	FPVM-250	FPVM-400	FPVM-630	FPVM-800	FPVM-1250
Rated Current In (A)		16, 20, 25 32, 40, 50, 63 80, 100, 125	100, 125 140, 160, 180 200, 225, 250	250, 315 350, 400	400 500 630	630 700 800	800 1000 1250
Rated Operating Voltage Ue (V) DC		1P:250V 2P:550V 3P:750V 4P:1000/1500V	2P:550V 3P:750V 4P:1000V 4P:1500V	3P:750V 4P:1000V 4P:1200V 4P:1500V	3P:750V 4P:1000V 4P:1200V 4P:1500V	3P:750V 4P:1000V 4P:1200V 4P:1500V	3P:750V 4P:1000V 4P:1200V 4P:1500V
Rated Insulation Voltage Ui (V)		1500					
Uimp (kV)		8kV					
Mechanical Life	Times	7000	7000	4000	4000	2500	2000
Electrical Life	Times	2000	2000	1000	1000	800	600
Breaking Times (ms)		200					
Installation Location		Any place					
Isolator Capacity		Yes					
Standard		IEC 60947-2, IEC60947-1, GB 14048.1, GB 14048.2					
Temperature (°C)		-25°C ~+50°C					
Protection Degree		IP20					
Accessory		OF/SD/MX					
Arcing Distance (mm)		50					

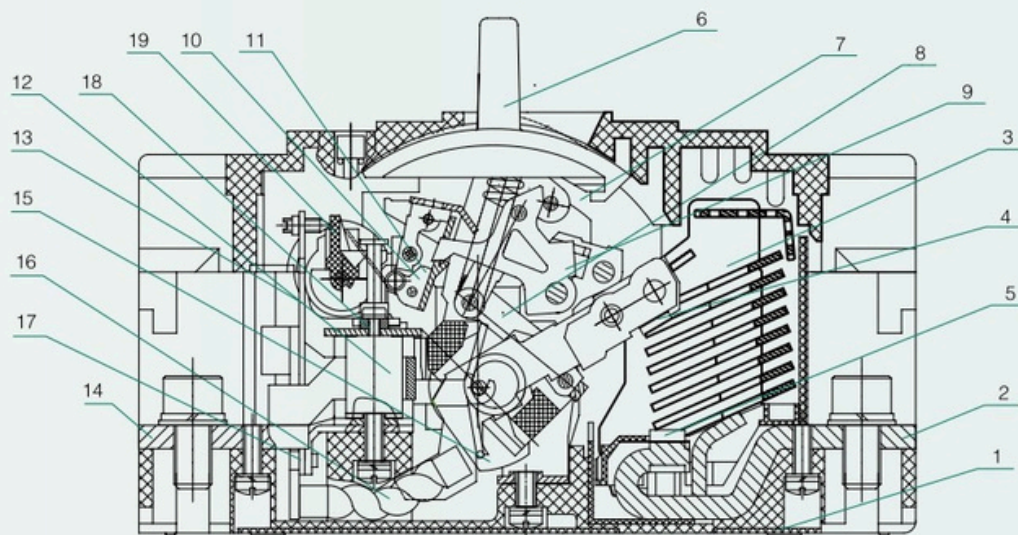
Application conditions

- Altitude : less than 2000m (please specify when it's higher than 2000m).
- Ambient temperature : -40~+70°C
- Dampproof Moisture-resistant

Connection

Wiring capacity (mm2)	2P	3P	4P
Connection			

Current correction factor used at different altitudes



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|-------------------|--------------------|----------------------|----------------------------------|
| 1.Shell | 6.Handle | 11.Chain part | 16.Soft linking |
| 2.Up wiring board | 7.Lever | 12.Release | 17.Thermoelement |
| 3.Arc chamber | 8.Connecting lever | 13.Bimetal | 18.Upper putt |
| 4.Moving contact | 9.Jump pin | 14.Down wiring board | 19.Short time delay institutions |
| 5.Fixed contact | 10.Chain part | 15.Spindles | |