

LMM1DC

Solar DC Moulded Case Circuit Breaker (DC MCCB)

LMM1DC 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

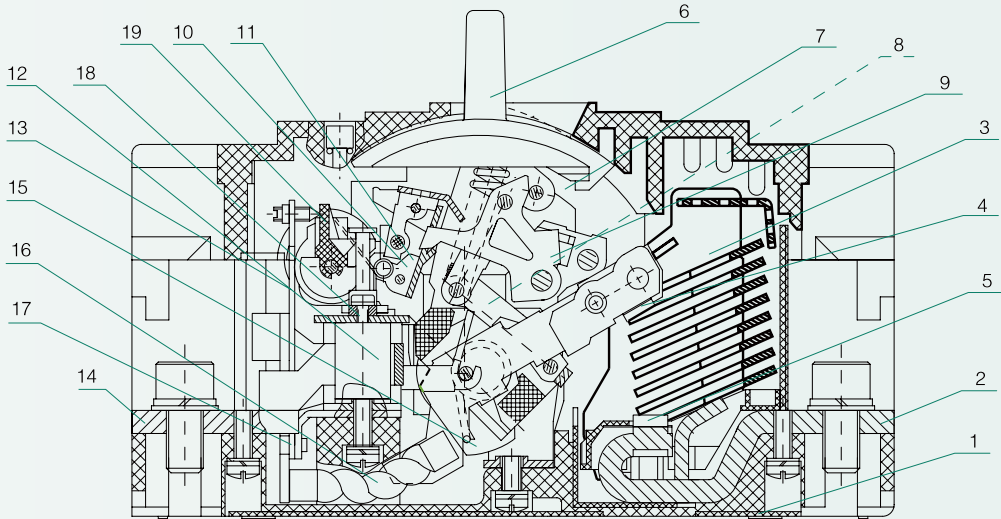
Model		LMM1DC-125	LMM1DC-250	LMM1DC-400	LMM1DC-630
Rated Current In (A)		16, 20, 25	100, 125	250, 315	400
		32, 40, 50, 63	140, 160, 180	350, 400	500
		80, 100, 125	200, 225, 250		630
Rated Operating Voltage Ue (V) DC		1P:250V 2P:500V 3P:750V 4P:1000	2P:500V 3P:750V 4P:1000V	2P:500V 3P:750V 4P:1000V	2P:500V 3P:750V 4P:1000V
Rated Insulation Voltage Ui (V)		1500			
Uimp (kV)		8kV			
Mechanical Life	Times	7000	7000	4000	4000
Electrical Life	Times	2000	2000	1000	1000
Breaking Times (ms)		200			
Installation Location		Any place			
Isolator Capacity		Yes			
Standard Temperature (°C)		IEC 60947-2, IEC60947-1, GB 14048.1, GB 14048.2 - 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

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