

Model LRM7-63DC Series Photovoltaic Use DC Miniature Circuit Breaker



1. Product Application

The Model LRM7-63DC Series Photovoltaic use DC Miniature Circuit Breaker is PV Mini Circuit Breakers are mainly applied to DC solar combiner box ,Controller etc. The main function include overload protection ,Antireflux protection and short-circuit protection. Scientific design of arc-extinguishing system keep solar system more safe. Max Voltage up to 1200V DC, current up to 63A. This product meets the requirements of IEC60947-2

2. Product Benefits

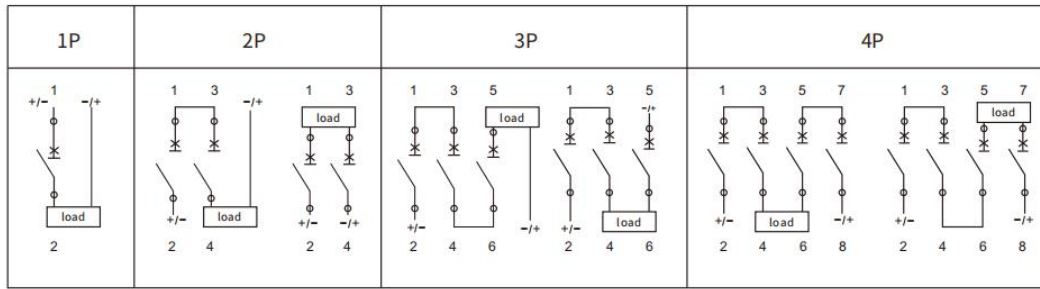
- 2.1 Overload and the short circuit protection function
- 2.2 Rated short circuit breaking capacity up to 6kA
- 2.3 Non-polarity and Polarity both available
- 2.4 Rated Current In up to 63A
- 2.5 Rated Voltage up to 1000V, designed for PV, energy storage and other DC applications

3. Technical Data

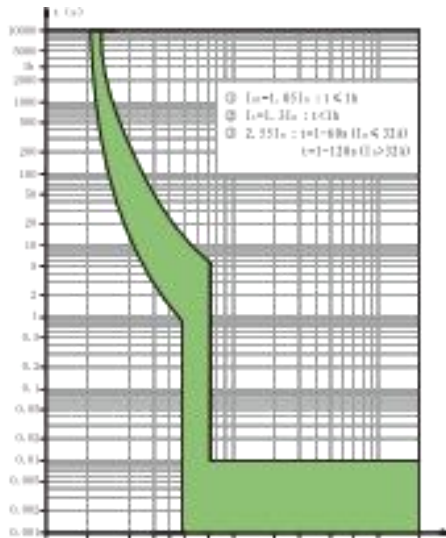
According to IEC/EN60947-2

Pole		1P	2P	3P	4P
Rated Working Voltage	Normal Voltage Ue	250V DC	500V DC	750V DC	1000V DC
Frame Current		63A			
Rated Current In		10A,16A,20A,25A,32A,40A,50A,63A			
Rated Insulation Voltage Ui		1000V			
Rated Impulse Withstand Voltage Uimp		6kV			
Tripping Characteristics		B/C			
Tripping Type		Thermal Magnetic			
Rated Ultimate Short-Circuit Breaking Capacity Icu		6kA/10kA			
Rated Service Short-Circuit Interrupting Capacity Ics		6kA			
Electrical Life	Actul	2000 Cycles			
Mechanical Life	Actul	20000 Cydes			
Overvoltage Category		III			
Pollution Degree		3			
Ingress Protection		IP40; Wiring port IP20			
Resistance to humidity and heat		Class 2			
Relative Humidity		≤95%			
Vibration		acc.to IEC60068-2-6			
Shocks		acc.to IEC60068-2-27			
Terminal capacity		2.5-25mm ²			
Fastening Torque of Terminals		2.5 N.m			
Ambient Temperature		-30℃~70℃			
Storage Temperature		-40℃~85℃			
Installation Method		DIN			
Elevation		≤2000m			

4. Contact Configuration

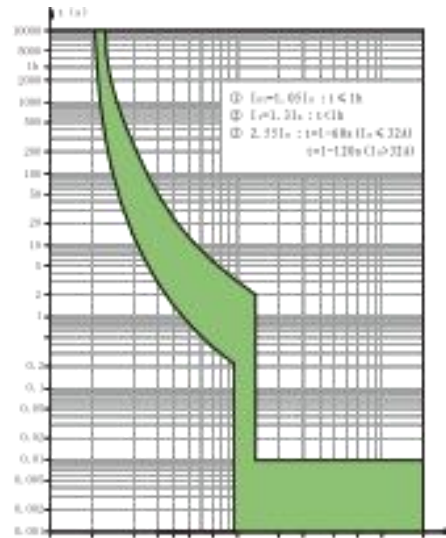


5. Tripping Characteristics



B Curve 4In(1±20%)

- Suitable for pure resistive load and microinductive circuit ·
- Available to rated current of 10A ~ 63A(63A Frame)
- Instantaneous tripping range: 4In±20%



C Curve 8In(1±20%)

- Suitable for general load and power distribution circuit
- Available to rated current of 10A ~ 63A(63A Frame)
- Instantaneous tripping range: 8In±20%

6. Overall & Installation Dimensions

