

ESM1-250

SOLAR DC MOULDED CASE CIRCUIT BREAKER(DC MCB)



Application

ESM1 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 standaed.

Specifications

Model	ESM1-125	ESM1-250	ESM1-400	ESM1-630	ESM1-800	ESM1-1250
Rated Continuous Current	125	250	400	630	800	1250
Rated Current In (A)	16 20 25	100 125	250 315	400 500	630 700	800
	32 40	140 160	350 400	630	800	1000
	50 63 80	180 200				1250
	100 125	225 250				
Rated Operating Voltage Ue (V) DC	550V	550V	750V	750V	750V	750V
	750V	750V	1000V	1000V	1000V	1000V
	1000V	1000V	1500V	1500V	1500V	1500V
	1500V	1500V				
Rated Insulation Voltage Ui (V)	1500V	1500V	1500V	1500V	1500V	1500V
Uimp (kV)	8V	8kV	8kV	8kV	8kV	8kV
Test Voltage One Minute (V)	3550	3550	3550	3550	3550	3550
Breaking Capacity (kA) Icu Ics=75% Icu)		L M H L M H L M H L M H L M H L M H				
	250V	25 35 50 35 50 65 35 50 65 35 50 65 50 65 80 50 65 80				
	500V	25 25 50 35 35 65 35 35 65 35 35 65 50 50 80 50 50 80				
	750V	25 15 50 35 25 65 35 25 65 35 25 65 50 35 80 50 35 80				
1000V	25 10 50 35 15 65 35 15 65 35 15 65 50 20 80 50 20 80					
Mechanical Life	7000	7000	4000	4000	2500	2000
Electrical Life	2000	2000	1000	1000	800	600
Breaking Times (ms)	20	20	20	20	20	20
Installation Location	Any place					
Isolator Capacity	Yes					
Standard	IEC 60947-2 IEC60947-1 GB 14048.1 GB 14048.2					
Temperature (°C)	-25 ~+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
- Dampproof Moisture-resistant