

JXB1-63M/PV

Application

JXB1-63M /PV special DC circuit breaker is mainly used for solar photovoltaic power generation system, working voltage up to DC1000V, rated current to 63A. It has overload and short circuit protection function, can quickly break the fault current of the DC distribution system, protect the important devices in the solar power system. The PV module is protected from the reverse current on the DC side and the feedback current on the AC side caused by the fault of the inverter, ensuring the reliable operation of the solar photovoltaic power generation system.



2P

Product characteristics

The product can realize non-polar wiring and ensure the safety of the equipment reliably.

Trip characteristics and energy consumption

Overcurrent trip characteristics

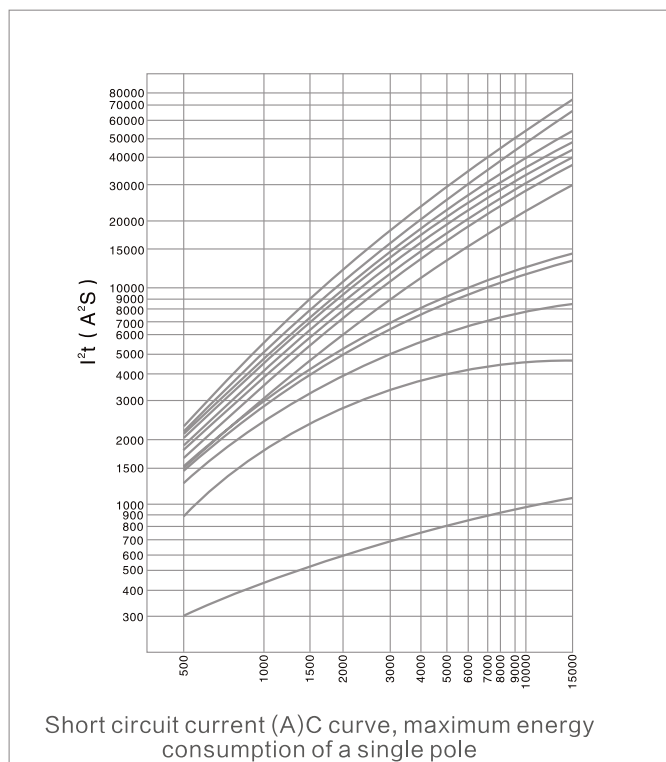
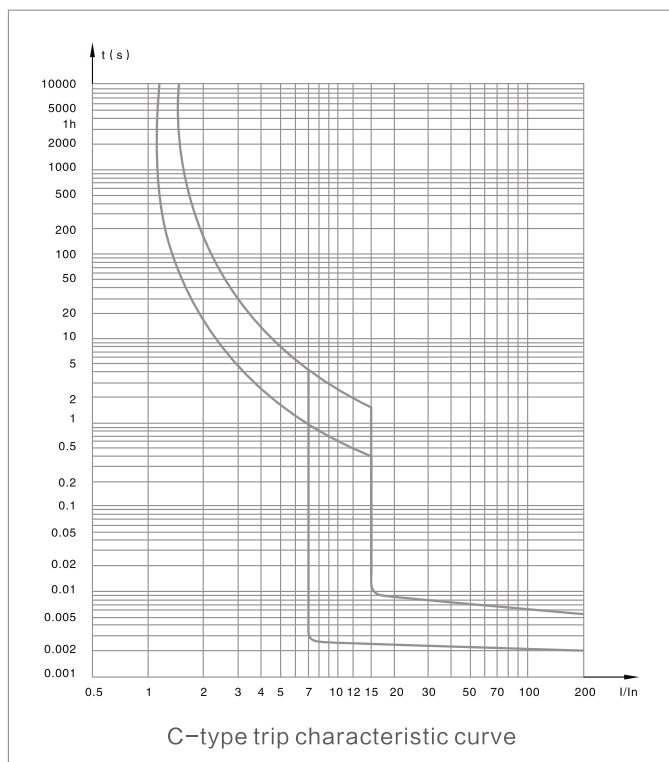
| Test | Type | Test Current | Initial State | Trip Or Non-trip Time Limit | Expected Result | Remark |
|------|------|--------------|--------------------------------------|-----------------------------|-----------------|--|
| a | c | 1.05 In | Cold state | $t \geq 1h$ | non-trip | |
| b | c | 1.30 In | Carried out immediately after test a | $t < 1h$ | trip | The current rises steadily to the specified value within 5s. |
| c | c | 7 In | Cold state | $t \geq 0.1s$ | non-trip | |
| d | c | 15 In | Cold state | $t < 0.1s$ | trip | |



4P

| Wiring diagram | | |
|--|---|-------------|
| | 2P (36mm) | 4P (72mm) |
| Number of poles and width | 2P (36mm) | 4P (72mm) |
| Rated operating voltage U_e (V) | DC 500 | DC 1000 |
| Rated current I_n (A) | 6, 10, 16, 20, 25, 32, 40, 50, 63 | |
| Rated insulation voltage U_i (V) | 1000 | |
| Rated impulse withstand voltage U_{imp} (kV) | 6 | |
| Ultimate short-circuit breaking capacity I_{cu} (kA) | 6 | |
| Instantaneous trip characteristics | C | |
| Life (cycles) | Mechanical 20000, electrical 1500 | |
| Use environment | Ambient temperature: -25°C to 40°C | |
| Accessories available | Auxiliary contact, alarm contact | |
| Wiring capacity | Flexible cable 25mm ² or less Hard cable 35mm ² or less | |
| Meet the standards. | IEC 60947-2 GB14048.2 | |

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Dimensions and installation instructions

The DC circuit breaker adopts IEC standard guide rail 35mm

