

## **DAB7-63 DC miniature circuit breaker**

Dab7-63 miniature dc circuit breakers are used for overload and short circuit protection of lines with dc voltage up to 250V and rated current up to 63A, and also for infrequent switching of lines.

DC MCB circuit breaker is suitable for communication, PHOTOVOLTAIC system and other DC system applications.

### **>>Products meet:**

IEC 60948.2, IEC 60947-2

In line with the EU RoHS environmental requirements, DC circuit breakers have passed CCC and other certification

### **>>Application**

Dab7-63/1p DC circuit breaker is mainly used for overload and short circuit protection of DC electrical circuits and equipment with rated DC voltage up to and including DC250V and current up to 63A.

DC circuit breaker can also be used for solar power generation system, working voltage up to DC250V, can rapidly points off the fault current of DC power distribution system, is an important device to protect the solar power system pv module from reverse current in DC side and AC feedback current of inverter failure caused by damage, ensure the reliable operation of solar photovoltaic power generation systems.

### **>>Model and Meaning**

Dab7-63/1p miniature DC circuit breaker specification parameters

DC circuit breaker DAB7-63/1p 1A DC250V

DC circuit breaker DAB7-63/1p 2A DC250V

DC circuit breaker DAB7-63/1p 3A DC250V

DC circuit breaker DAB7-63/1p 4A DC250V

DC circuit breaker DAB7-63/1p 6A DC250V

DC circuit breaker DAB7-63/1p 10A DC250V

DC circuit breaker DAB7-63/1P 16A DC250V

DC circuit breaker DAB7-63/1p 20A DC250V

DC circuit breaker DAB7-63/1p 25A DC250V

DC circuit breaker DAB7-63/1P 32A DC250V

DC circuit breaker DAB7-63/1p 40A DC250V

DC circuit breaker DAB7-63/1p 50A DC250V

DC circuit breaker DAB7-63/1p 63A DC250V

### **>>Dab7-63/1p DC circuit breaker working environment and installation conditions**

Ambient temperature: -35°C ~ +70°C

Air relative humidity ≤95%

Pollution level: Level 2

### **>> Main parameters and technical performance of miniature DC circuit breaker**

1.Rated current In:1A, 2A, 3A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A

2.The number of points of the case by pole: 1P/DC250V, 2P/DC500V, 3P/DC750V, 4P/DC1000V

3.Rated short circuit capacity: 6000A

4.Mechanical and electrical life

The mechanical life shall not be less than 20,000 times

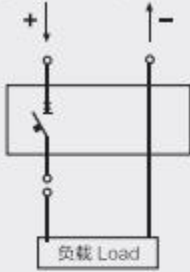
No less than 8000 times electrical life

### **>>DC circuit breaker connection mode**

图A: 1极DC250V接线图

Diagram A:

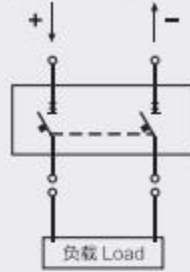
Wiring diagram of one pole DC 250V



图B: 2极DC500V接线图

Diagram B:

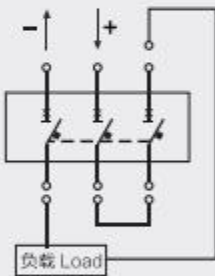
Wiring diagram of two poles DC 500V



图C: 3极DC750V接线图

Diagram C:

Wiring diagram of three poles DC 750V

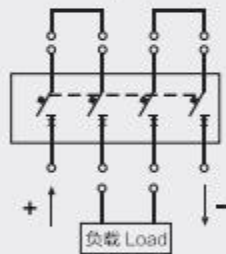


图D: 4极DC1000V接线图

Diagram D:

Wiring diagram of four poles DC 1000V

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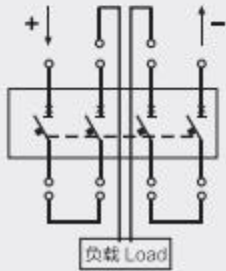


图D: 4极DC1000V接线图

Diagram D:

Wiring diagram of four poles DC 1000V

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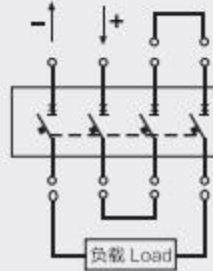


图D: 4极DC1000V接线图

Diagram D:

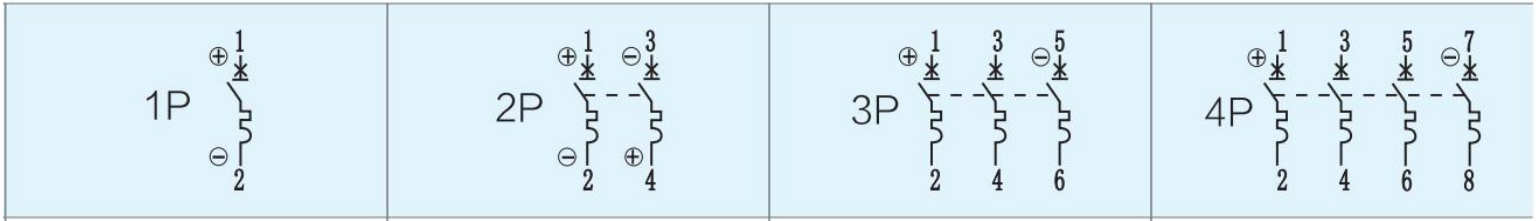
Wiring diagram of four poles DC 1000V

(3)



Wiring diagram Description:

- 1.Positive power, negative power.
- 2.L+ load positive, L- load negative.
- 3.It is forbidden to connect the positive and negative poles of the power.
- 4.Rated voltage: 1P: DC250V;
- 2 p: DC500V;
- 3 p: DC750V;
- 4 p: DC1000V



**>> Dab7-63 small DC circuit breaker product features**

1. Excellent breaking ability;
2. Dual wiring function of conductor and bus bar;
3. Fast closure, long life;
4. Convenient installation and disassembly;
5. Contact on/off indication, higher safety;
6. Green, environmental protection and energy saving;

Miniature DC circuit breaker outline and installation dimensions

