

product model

CDB6iZ DC miniature circuit breaker



product introduction

CDB6iZ small DC circuit breaker is the only DC product in the new 6 series terminal power distribution, it is mainly used for overload protection of DC lines or equipment, short circuit protection and infrequent switching of lines. And it can be widely used in many fields such as communication power supply, new energy charging pile, power system, DC power supply, rail transit, shipbuilding and metallurgy.

Application examples:

1. Electric power engineering: power system, DC protection system in substation power system such as DC screen
2. Communication power supply, network data center power distribution system such as PDU.

Technical Parameters

CDB6iZ miniature circuit breaker has the following functions

Short circuit protection overload protection	control isolation
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main parameters

Rated voltage:	1P DC250V; 2P/3P DC500V
Rated current:	1,2,3,4,5,6,8,10,13,16,20,25,32,40,50,63A (Type B None 1-6A)
Number of poles:	1P/2P/3P
Breaking capacity:	6KA
Impulse withstand voltage:	4KV
Trip characteristics:	Ii(B) / Ii(C)
Mechanical life:	20000 times
Electrical life:	10000 次
Standards compliant:	GB14048.2/IEC60947-2
Compliance with certification:	CCC

environment:

Use ambient temperature:	-35°C ~ 70°C
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Trip characteristics:

- Ii(B)
 - ☐ Protect loads with small short-circuit current
 - ☐ Tripping characteristics: instantaneous tripping range (4.4 ~ 6.6)
- In Ii(C)
 - ☐ Protects general load and distribution cables
 - ☐ Tripping characteristics: instantaneous tripping range (6.8~10.2) In

Install:

- Modular installation for easy mounting on DIN standard rails
- Rated torque: 2.5N·m

Technical Parameters

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product model				
name	Breaking capacity	poles	Trip type	rated current
CDB6iZ	default	1	C	6
	default: breaking capacity 6kA 1P: 250v 2P/3P: 500v	1: 1P 2: 2P 3: 3P	B: B type C: C type	1: 1A 2: 2A 3: 3A 4: 4A 5: 5A 6: 6A 8: 8A 10: 10A 13: 13A 16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 50: 50A 63: 63A

CDB6iZ	Tripping type	poles		
		1P	2P	3P
	B	CDB6iZ1B6 CDB6iZ1B8 CDB6iZ1B10 CDB6iZ1B13 CDB6iZ1B16 CDB6iZ1B20 CDB6iZ1B25 CDB6iZ1B32 CDB6iZ1B40 CDB6iZ1B50 CDB6iZ1B63	CDB6iZ2B6 CDB6iZ2B8 CDB6iZ2B10 CDB6iZ2B13 CDB6iZ2B16 CDB6iZ2B20 CDB6iZ2B25 CDB6iZ2B32 CDB6iZ2B40 CDB6iZ2B50 CDB6iZ2B63	CDB6iZ3B6 CDB6iZ3B8 CDB6iZ3B10 CDB6iZ3B13 CDB6iZ3B16 CDB6iZ3B20 CDB6iZ3B25 CDB6iZ3B32 CDB6iZ3B40 CDB6iZ3B50 CDB6iZ3B63
	C	CDB6iZ1C1 CDB6iZ1C2 CDB6iZ1C3 CDB6iZ1C4 CDB6iZ1C5 CDB6iZ1C6 CDB6iZ1C8 CDB6iZ1C10 CDB6iZ1C13 CDB6iZ1C16 CDB6iZ1C20 CDB6iZ1C25 CDB6iZ1C32 CDB6iZ1C40 CDB6iZ1C50 CDB6iZ1C63	CDB6iZ2C1 CDB6iZ2C2 CDB6iZ2C3 CDB6iZ2C4 CDB6iZ2C5 CDB6iZ2C6 CDB6iZ2C8 CDB6iZ2C10 CDB6iZ2C13 CDB6iZ2C16 CDB6iZ2C20 CDB6iZ2C25 CDB6iZ2C32 CDB6iZ2C40 CDB6iZ2C50 CDB6iZ2C63	CDB6iZ3C1 CDB6iZ3C2 CDB6iZ3C3 CDB6iZ3C4 CDB6iZ3C5 CDB6iZ3C6 CDB6iZ3C8 CDB6iZ3C10 CDB6iZ3C13 CDB6iZ3C16 CDB6iZ3C20 CDB6iZ3C25 CDB6iZ3C32 CDB6iZ3C40 CDB6iZ3C50 CDB6iZ3C63

Technical Parameters

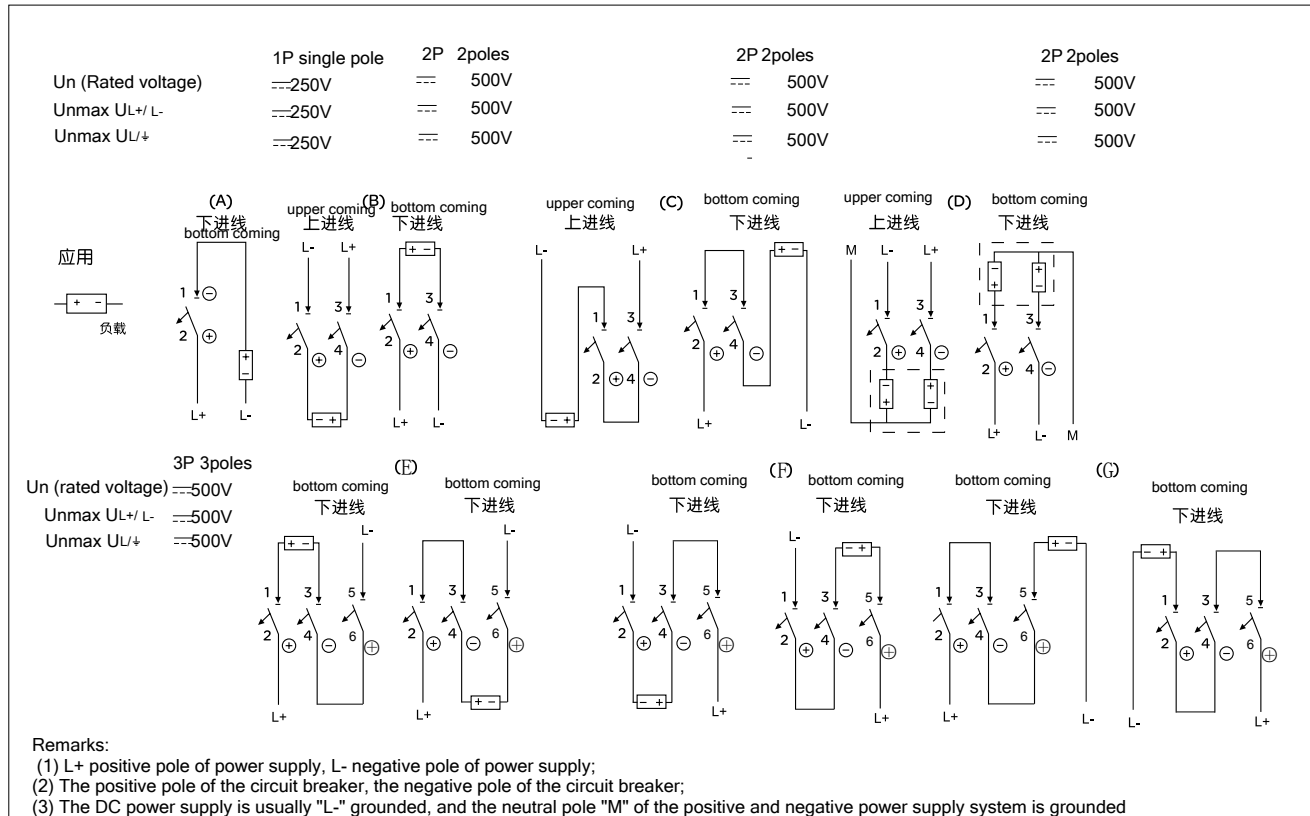
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wiring

Tunnel terminal

Wiring capacity: 1~63A, suitable for wires up to 25mm²

The wiring method is as shown in the figure below:



Shape and installation dimensions

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Shape and installation dimensions

