


# Product Specification of NDB6-125

Products Name: Moulded Case Circuit Breaker

Products model: NDB6-125

Date: 20181019

Prepare	Review	Approvel
DaiFeng	ZhiQiang Huo	DuanHui

	Name	Product Specifications	Number	NDT2930125
	Model	NDB6-125 MCCB	Version	2
			Date	20181019

Revision record

Version	Revise contents	Revision date	Reviser
0	Initial issue	20160126	Heng Ke
1	The new standard	20160906	Heng Ke
2	Upgrade	2018-10-19	Feng Dai

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1、Applicable scope and purpose

- Short -circuit protection
- Over-load protection
- Control
- Isolation

NDB6-125 breaker is also widely used in the final distribution of solar, industry, buildings ,energy, telecom and infrastructure sectors.

2、Picture:



1P product



2P product

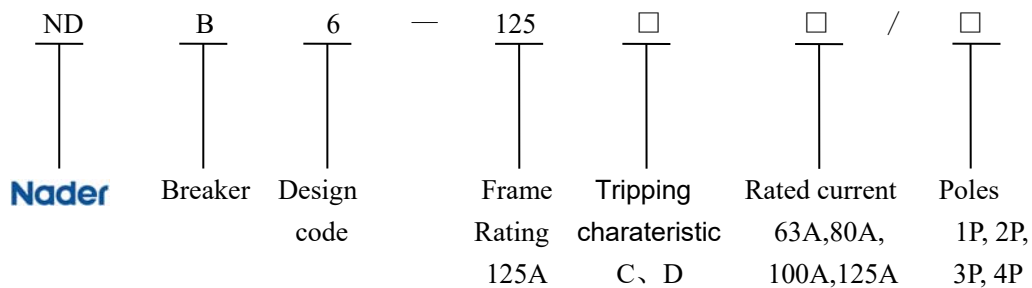


3P product



4P product

3、 Model and implication:



4、 Main technical specification

- electric parameter
  - Rated working voltage :AC230V/240V(1P),AC400/415V(2P,3P,4P)
  - Rated current:C: 63A, 80A, 100A, 125A  
D: 63A, 80A, 100A
  - Rated breaking capacity : Rated operating short circuit capacity:Ics=7.5kA  
Rated ultimate breaking capacity: Icu=15kA
  - Impulse voltage endurance : 4kV  
Rated nominal insulation voltage:1000V
  - Application category : A
- Isolation function
- Practical breaking instructions
- View window within the green identification said contact in the off position

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- Mechanical life: 10000 times;
- Wiring: Tunnel type terminal;
- 10 mm<sup>2</sup> – 50 mm<sup>2</sup> conducting wire.

● Standards and Certificates

○ GB/T 14048.2、IEC 60947-2

- Environmental requirements: RoHS

5、Normal working environment

- ambient temperature: -40℃ ~ +70℃

- Air relative humidity: ≤95%

- height: ≤2000m

- pollution degree :3

- service place without significant vibration and impact

6. Tripping characteristic

C type curve

- Protect normal load and distribution wirecable

- rated current: 63A、80A、100A、125A

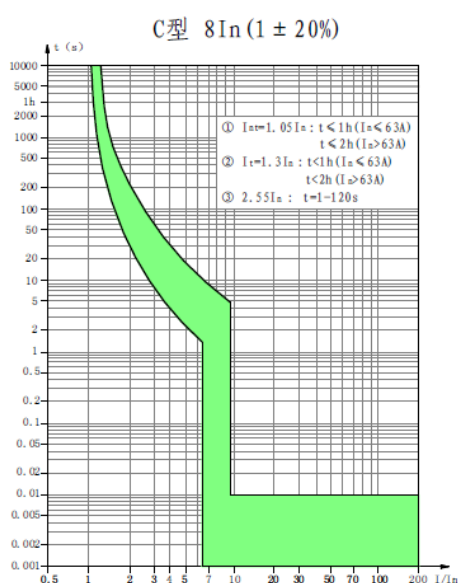
- tripping characteristic: The instantaneous tripping range 8In (1±20%)

D type curve

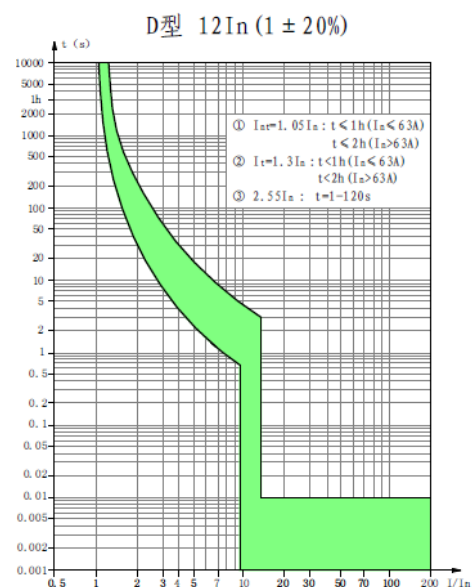
- Protect starting current big impact load (Such as motor, transformer)

- rated current: 63A、80A、100A

- tripping characteristic: The instantaneous tripping rang 12In (1±20%)



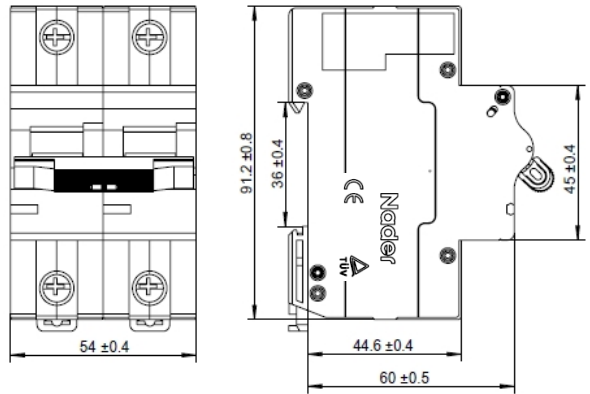
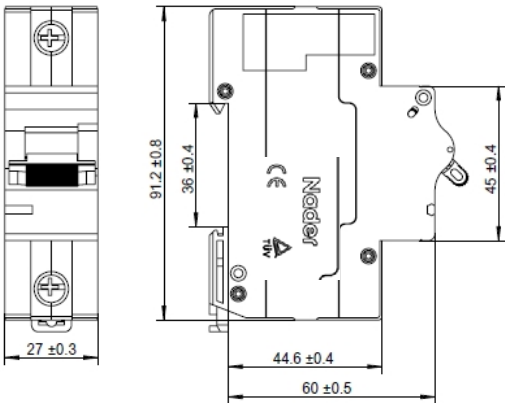
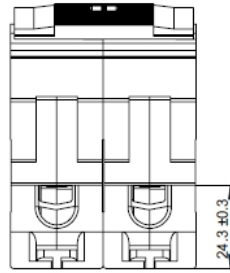
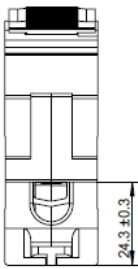
C type



D type

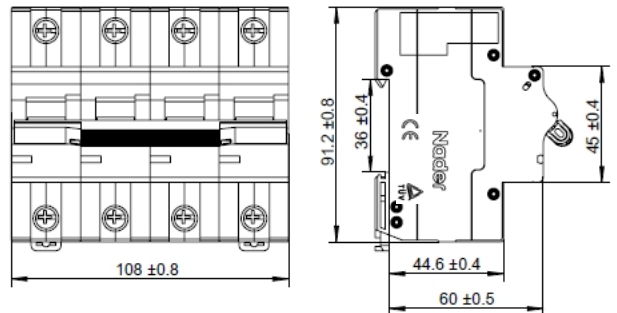
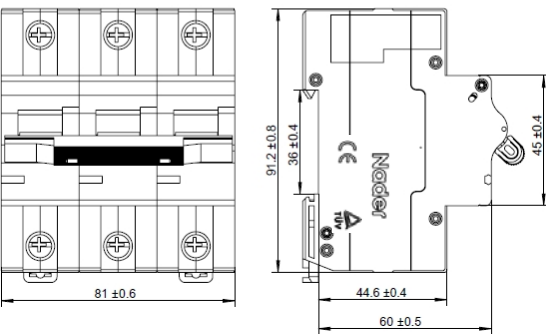
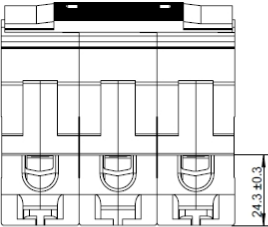
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7、Outline dimensions



1P

2P



3P

4P

8、Mounting

Modular construction, can be installed in TH35mm x 7.5 standard guide rail

9、Packing storage

quantity (1P product: 9PCS/box, 2P product: 4PCS/box, 3P product: 3PCS/box, 4P product: 2PCS/box),

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Packing boxes of products should be stored in the air circulation and relative humidity is not more than 80% and the temperature is not higher than + 70 °C , Not less than - 40°C in the air around without acid, alkali or other corrosive gases stored in the warehouse. In the above conditions, the storage period since the production date not more than three years.

#### 10、 Notice

- 1、 The manufacturer is irresponsible for quality problems caused by disassembling products privately;
- 2、 Do not touch the Non-insulated and exposed parts during the electrified working condition;
- 3、 Don't test characteristics of the breaker optionally, the manufacturer is irresponsible for such quality problems;
- 4、 Keep wiring correct to prevent malfunction or damage of wiring terminals.