



1、Applicable scope and purpose

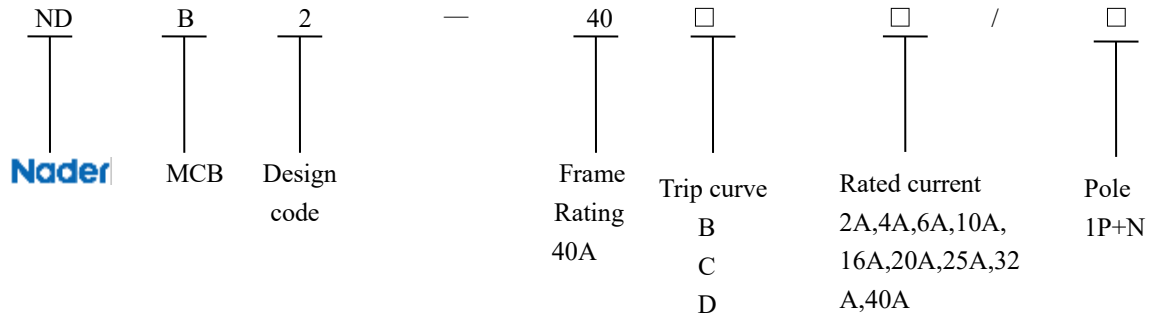
- Short -circuit protection
- Over-load protection
- Control
- Isolation

NDB2-40 dedicated to the low voltage power distribution system of industrial, buildings, energy communications and infrastructure.

2、Picture:



3、Model and implication:



4、Main technical specification

- electric parameter

Pole		1P+N		certificate
Rating current		2A, 4A,6A, 10A, 16A,20A,25A,32A,40A		
Item		Icn (SC)		
Voltage	AC230/240V	6kA		CCC
	AC120V	6kA		UL1077

- Isolation function
- Practical breaking instructions
- View window within the green identification said contact in the off position



- Tripping characteristic

B type curve

- Protection of short circuit current small load
- rated current: 1A~40A
- tripping characteristic: The instantaneous tripping range $3I_n \sim 5I_n$

C type curve

- Protect normal load and distribution wire cable
- rated current: 1A~40A
- tripping characteristic: The instantaneous tripping range $5I_n \sim 10I_n$

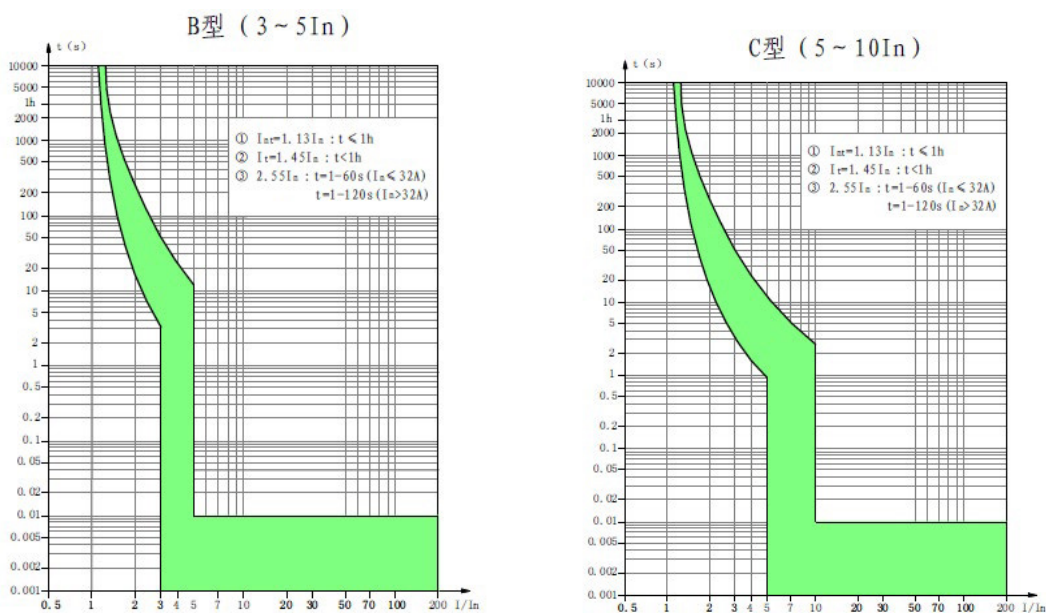
- Wiring

- Adopt tunnel type wiring
- Connection capability: 1mm^2 to 16mm^2

5. Normal working environment

- ambient temperature: $-35^\circ\text{C} \sim +70^\circ\text{C}$
- Air relative humidity: $\leq 95\%$
- height: $\leq 2000\text{m}$
- pollution degree: 2
- Service place without significant vibration and impact

6. Tripping characteristic



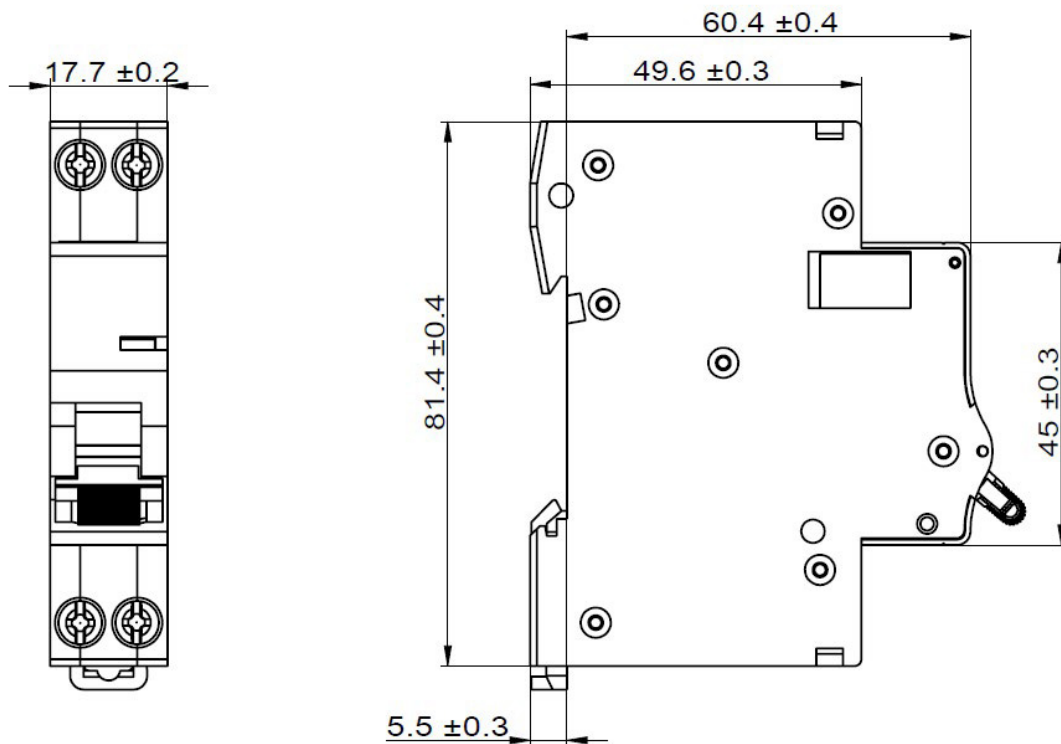
CCC, CQC, CB, CE, TUV, UL1077

Miniature Circuit Breaker

NDB2-40 series



7. Outline dimensions



1P + N



8、 Mounting

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

9、 .Connect line requirements

The wire : 1mm² to 16 mm²

Rated torque : 2.0 N.m

10、 Packing storage

quantity(1P product: 12PCS/box, 2P product: 6PCS/box, 3P product: 4 PCS/box, 4P product: 3PCS/box),
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.

11、 Accessories list and mounting

●OF2 auxiliary contacts Installed on the left hand of the NDB2 - 40 miniature circuit breaker left, indication circuit breaker on-off state ;

●SD2 indicator contacts installed on the left hand of NDB2 - 40 miniature circuit breaker , indication failure tripping status of breaker.

●MX+OF2 shunt trip release installed on the left hand of NDB2 – 40 miniature circuit breaker, remote control of the circuit breaker's tripping;

11、 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.
- 5、 Please open the cover when installing the accessory. Please refer to OF2, SD2,MX+OF2 Instruction for details.