CCC, CQC, CB, CE, TUV

Miniature Circuit Breaker

NDB1T-63 series

QUISURE
Keep quick, Make sure
ISO9001:2015
QUALITY GUARANTEED

1、Application

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

NDB1T-63 dedicated to the low voltage power distribution system of industrial, buildings, energy communications and infrastructure.

2、Product Pictures

1P 1PN 2P 3P 3PN 4P

3、Model and implication

ND	B	1	T	—	63	□	□	/	□
Nader	Breaker	Design code	Standard GB14048.2		Frame Rating 63A	Trip curve B C D	Rated current 1A, 2A, 3A, 4A, 5A,6A,10A,16A, 20A,25A,32A, 40A,50A,63A		Pole 1P, 1PN 2P, 3P 3PN, 4P

4、Main technical parameters

- Electrical parameters
  - Number of Poles: 1P, 1PN, 2P, 3P, 3PN, 4P
  - Rated working Voltage: AC230/240V(1P,1PN); AC400/415V(2P,3P,3PN,4P)
  - Rated Current: 1A,2A,3A,4A,5A,6A,10A,16A,20A,25A,32A,40A,50A,63A
  - Rated Insulation Voltage: 500V
  - Rated Frequency: 50/60Hz
  - Rated Impulse Withstand Voltage: 6KV
  - Breaking Capacity: 6KA
  - Instantaneous Tripping Characteristic: B、C、D
- Mechanical and Electrical life
  - Mechanical Life: 20000 times

○Electrical Life: 10000 times

● Isolation function

○ Practical breaking instructions

○ View window within the green identification said contact in the off position

● Protection Degree

IP20

●Wire Feeding Mode

Lines in for both up and down ends

● Use Category

A

● Mounting Class

II、III、Ⅳ

● Tripping characteristic

B type curve
○ Protection of short circuit current small load
○ rated current：1A～63A
○ tripping characteristic：The instantaneous tripping range 3In~5In

C type curve
○ Protect normal load and distribution wire cable
○ rated current：1A～63A
○ tripping characteristic：The instantaneous tripping range 5In~10In

D type curve
○ Protect starting current big impact load（Such as motor, transformer）
○ rated current：1A～63A
○ tripping characteristic：The instantaneous tripping rang 10In~14In

5、Normal Working conditions

●Ambient temperature：-35℃～+70℃

●Stored ambient temperature：-40℃～+70℃

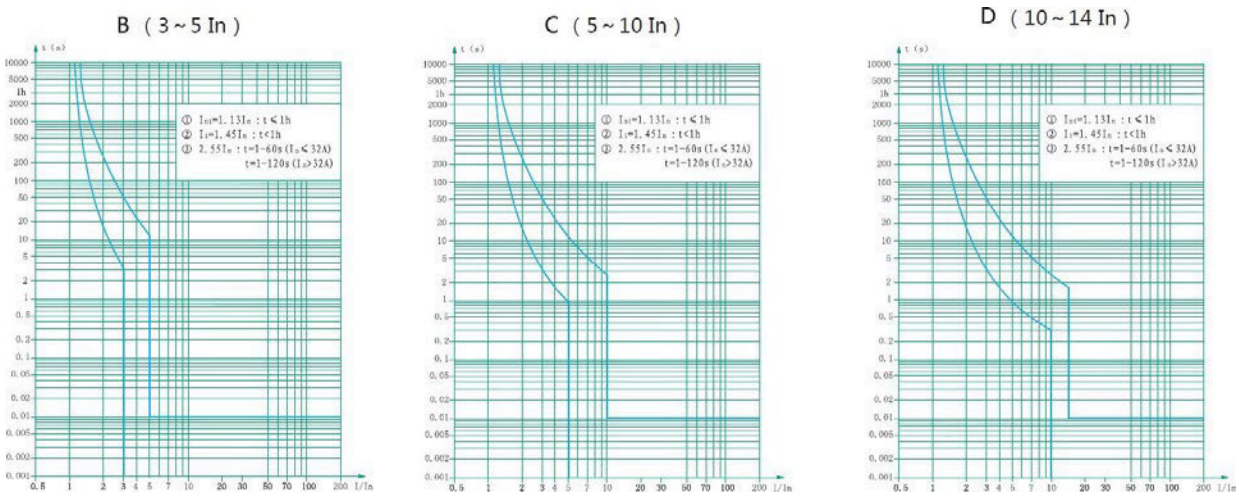
●Heat and humidity resistance：The relative air humidity ≤95% at the temperature of +55℃

●Altitude：≤2000m, if you want to apply it more than 2000m, you must refer to Miniature Circuit Breaker's reduced capacity table. Also you can refer to GB/T20645 the technological requirement of the low-voltage electrical equipment when it is used on high altitude.

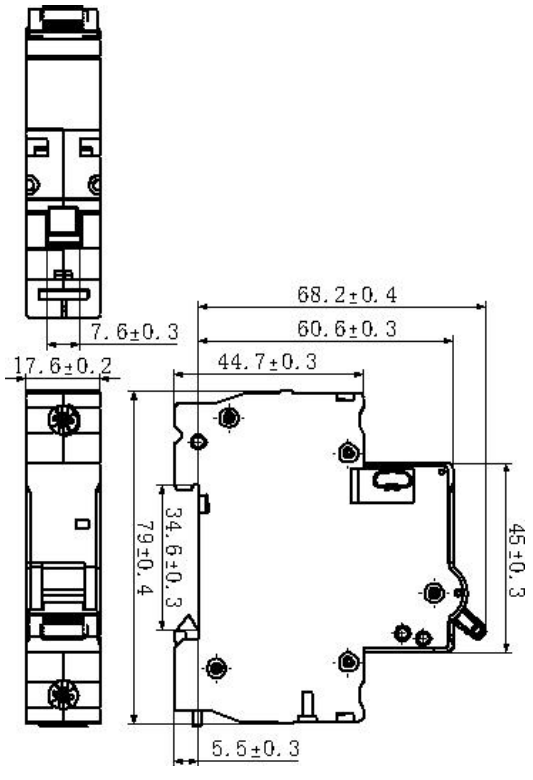
●Pollution degree: 3

●Free from obvious vibration or shock

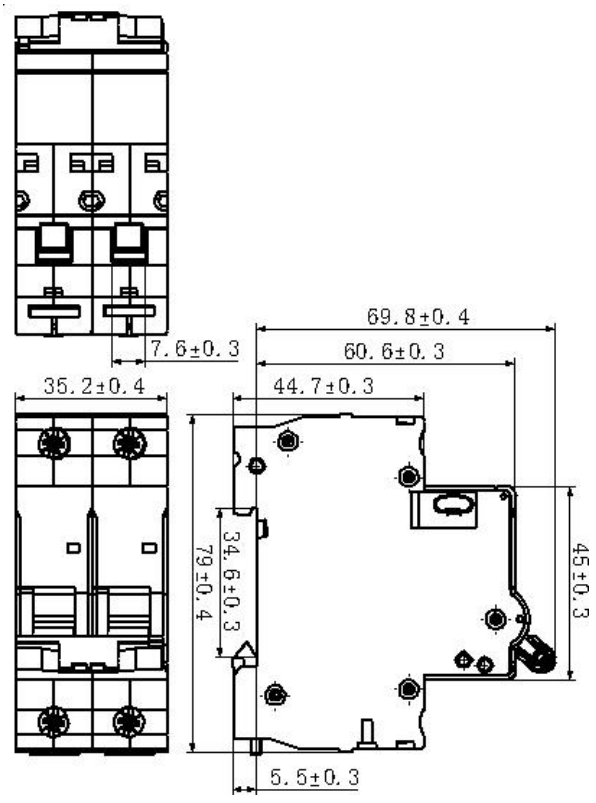
6、Time-Current curves



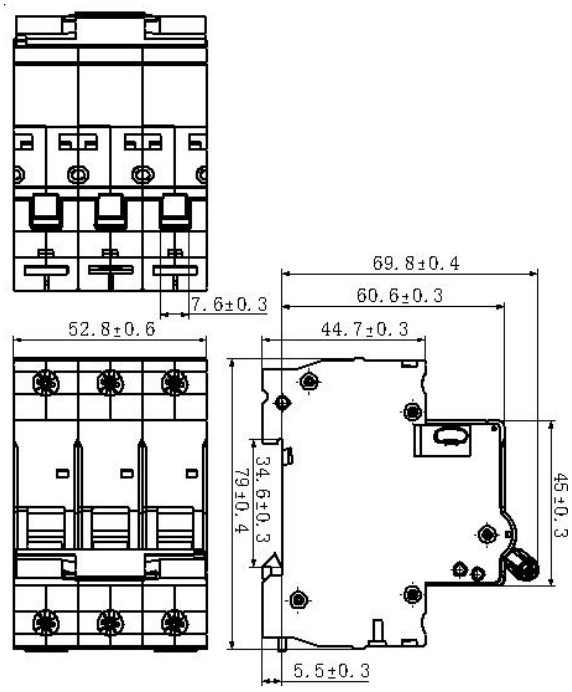
7、Outline and installation dimensions



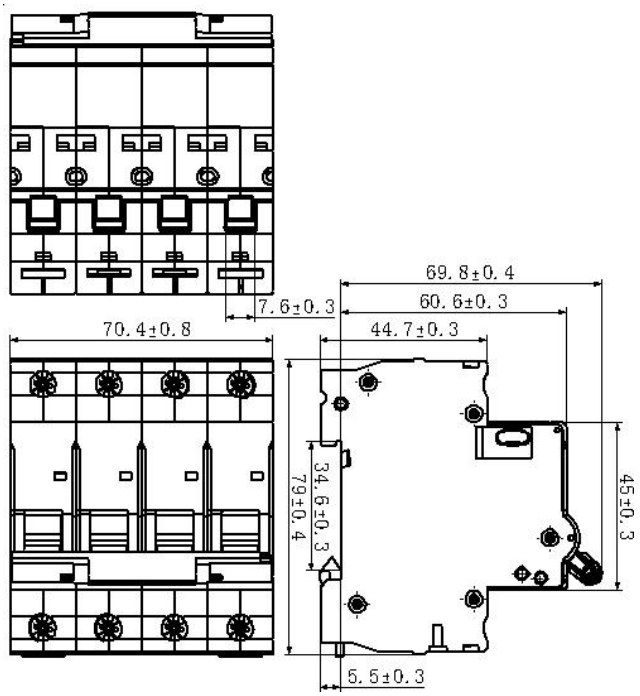
1P



1PN, 2P



3P



3PN, 4P

8、Installation method

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

9、Connect line requirements

The wire capacity: 1mm²～25mm² conducting wire

Terminal screw: M5; Maximum ultimate torque : 3.0N.m

10、Packaging and storage

Quantity（1P product：12PCS/box，1PN/2P product：6PCS/box，3P product：4 PCS/box，3PN/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 ℃，Not less than - 40 ℃ 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、Accessory list and installation

- NDB1TLE-63 residual current operated protective module installed on the right of NDB1T-63 moulded case circuit breaker, is applied to protect direct or indirect earth leakage faults.

12、Notices

1、 The user should responsible for the quality problem caused by taking the products apart or adjust the tripping parameters without permission.

2、Touch the uninsulated bare part is not allowed when breaker is energized state.

3、Make sure reliable connection to prevent the abnormal heating of terminals. That can cause fault operation of breakers or terminal damage.

4、Please remove the cover before installation, details please refer to <NDB1TLE-63 Product Specification>.