

Product Specification of NDB1T-63

(IPD-ENG-DEV-T22 A0 2016-04-20)

Product Name: Moulded Case Circuit Breaker

Product type: NDB1T-63

Date: 20160624

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1、Application

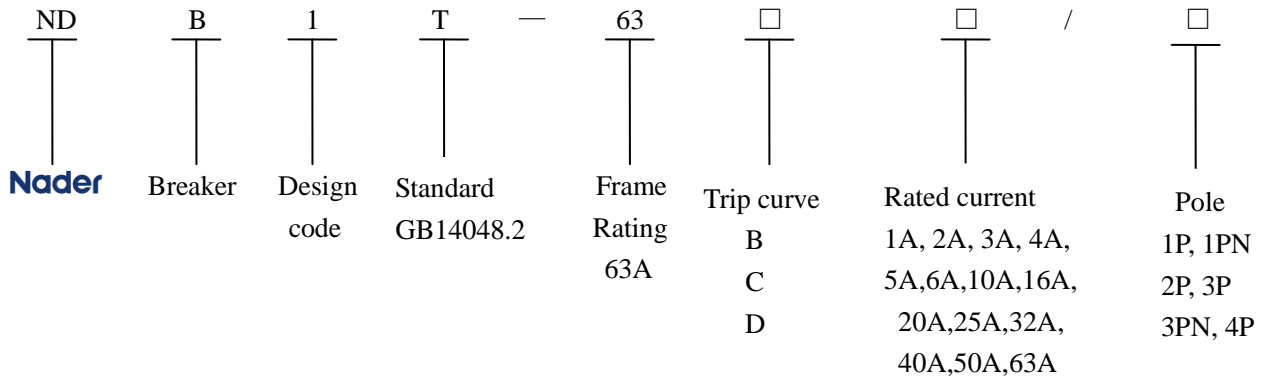
- Short -circuit protection
- Over-load protection
- Isolation

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

2、Product Pictures



3、Model and implication



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 $3I_n \sim 5I_n$

C type curve

○ Protect normal load and distribution wire cable

○ rated current: 1A~63A

○ tripping characteristic: The instantaneous tripping range $5I_n \sim 10I_n$

D type curve

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

○ rated current: 1A~63A

○ tripping characteristic: The instantaneous tripping rang $10I_n \sim 14I_n$

5、 Normal Working conditions

●Ambient temperature: $-35^{\circ}\text{C} \sim +70^{\circ}\text{C}$

●Stored ambient temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$

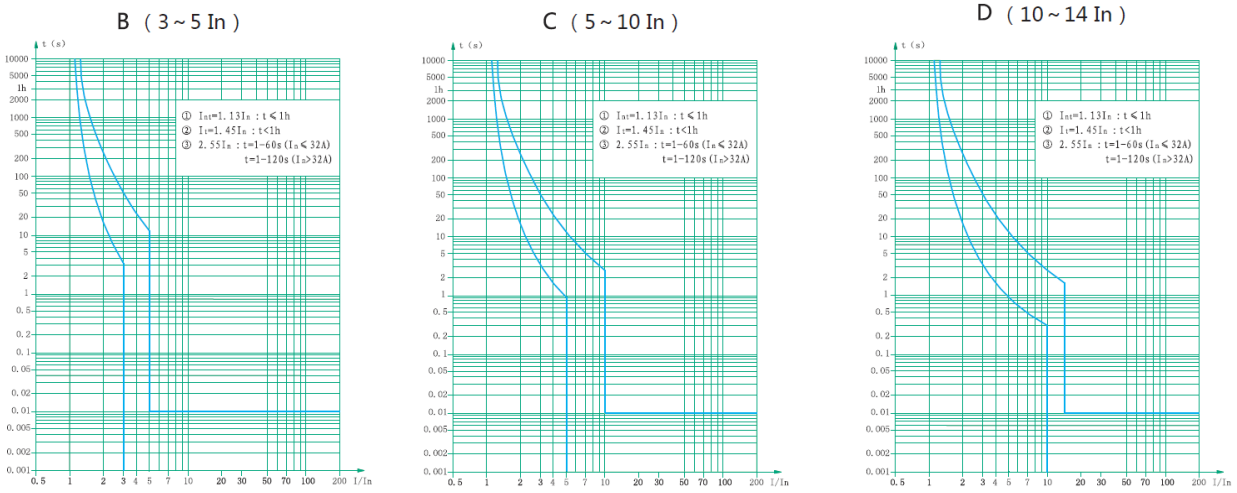
●Heat and humidity resistance: The relative air humidity $\leq 95\%$ at the temperature of $+55^{\circ}\text{C}$

●Altitude: $\leq 2000\text{m}$, 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.

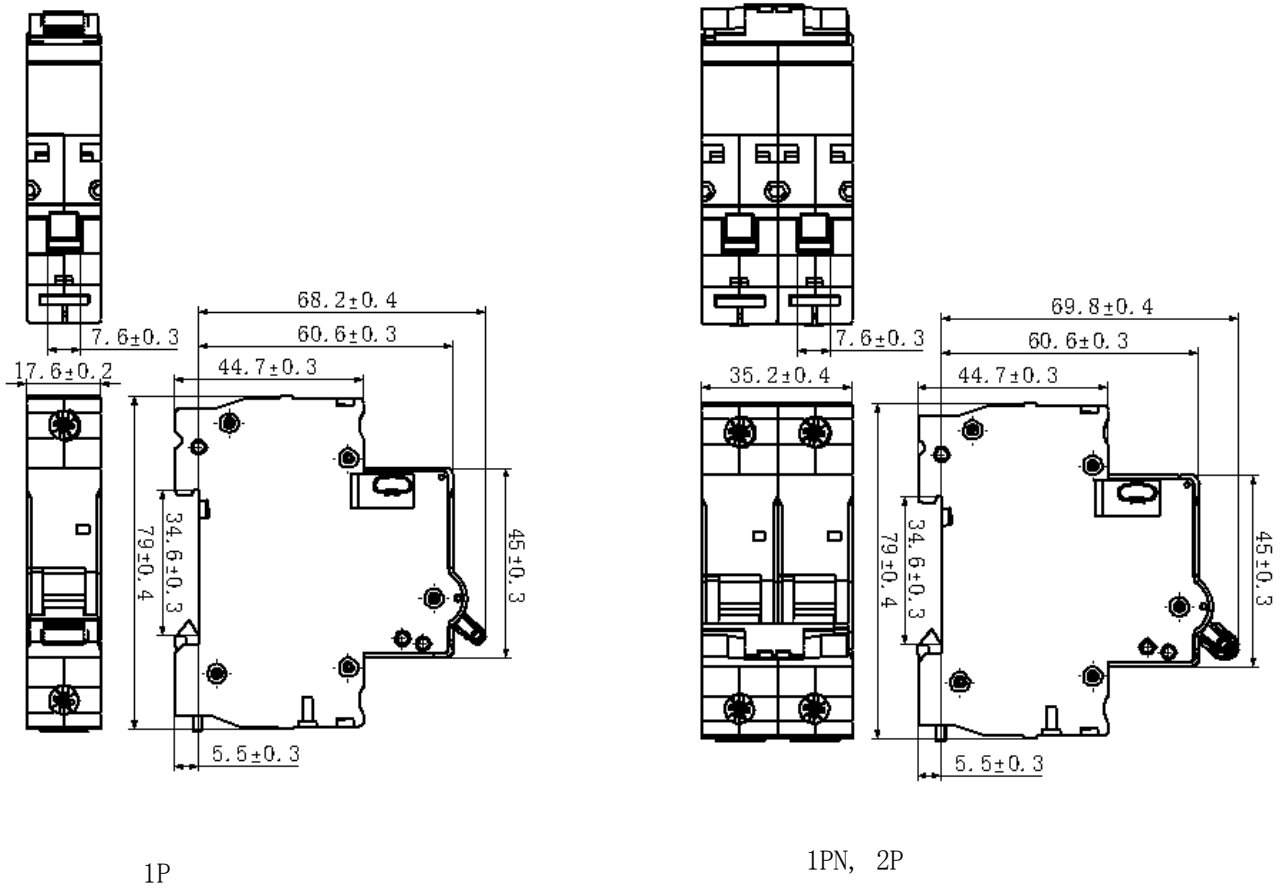
●Pollution degree: 3

●Free from obvious vibration or shock

6、Time-Current curves



7、Outline and installation dimensions



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