NO:2024.12

CHINT ELECTRICS

CB-60A
Miniature Circuit Breaker

User Instruction

Thank you for purchasing this product. Please read the user manual carefully before installing, using or maintaining the product

Standard: IEC/EN 60898-2

Safety Warning

1. The product can only be installed and maintained by professionals.
2. Installation in any damp, condensed-phase environment with inflammable and explosive gas is forbidden.
3. When the product is being installed or maintained, the power must be switched off.
4. You are prohibited from touching the conductive part when the product is operating.
5. It is prohibited to let children play with the product or the package.
6. Tighten the wiring screws when installing the product to prevent wires from loose or being pulled out.
   Select wires strictly according to instructions and connect them to proper power supply and load.
7. The product does not provide protection against personal electric shocks or power imbalances.
8. Do not install the product at places where gas media can cause metal corrosion and insulation damage.
9. **The product is not suitable for the direct starting of high-inductive and high-capacity loads, such as fans, electric motors, electric heating equipment, capacitor cabinets, etc.**

This is the general warning sign. It is used to alert the user to potential hazards. All safety messages that follow this sign shall be obeyed to avoid possible harm.

1 Purpose of Use

CB-60A series miniature circuit breakers are mainly used for the circuit of AC 50Hz or 60Hz with rated voltage of 240V or 415V and also used for the circuit of DC 60V/110V(1P) or DC 125V/220V(2P) , rated current of 63A, which provide overload and short-circuit protection and are also used as the infrequent making/ breaking operation of the circuit under normal conditions.

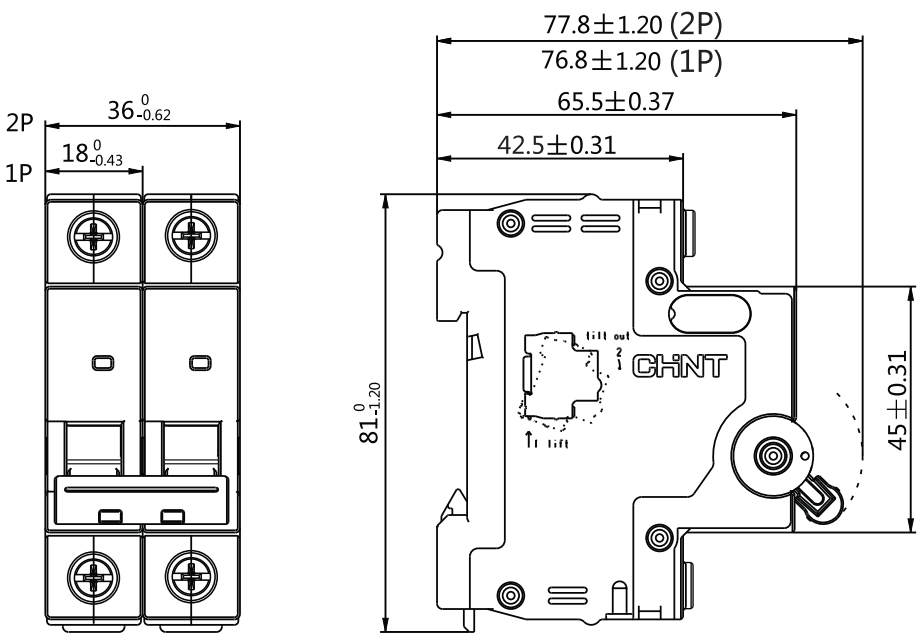
2 Key Technical Parameters

Table 1 Key Technical Parameters

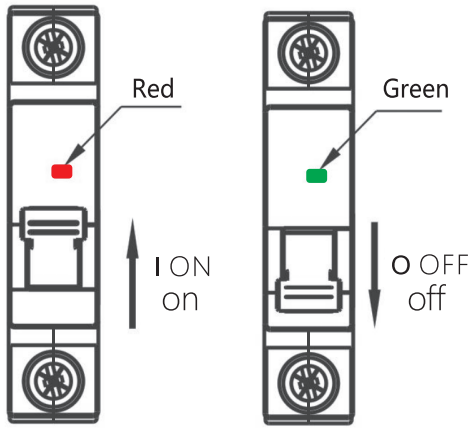
Altitude	≤2000m
Pollution level	Level 2
Installation category	Class II and III
Rated operating voltage Ue	AC 220V or 230V or 240V or DC 60V or DC 110V (1P) AC 380V or 400V or 415V or DC 125V or DC 220V (2P)
Rated short-circuit breaking capacity Icn	6000A 10000A (1P:DC 60V, 2P:DC 125V)
Enclosure protection class	IP20

3 Installation

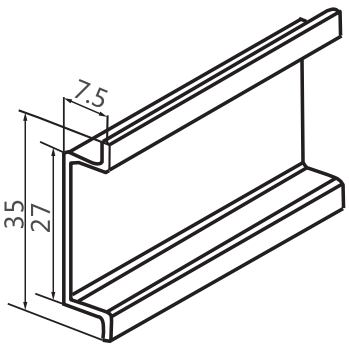
3.1 Outline and installation dimensions (unit: mm)



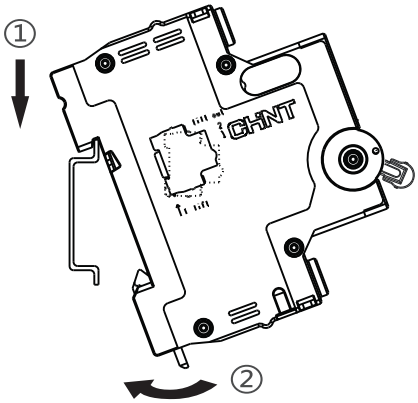
3.2 On-off indication



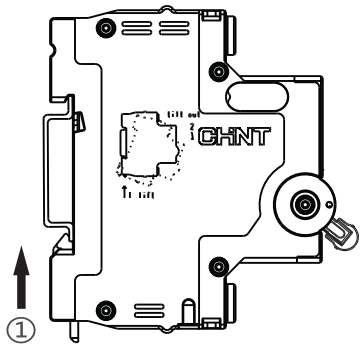
3.3 Installation

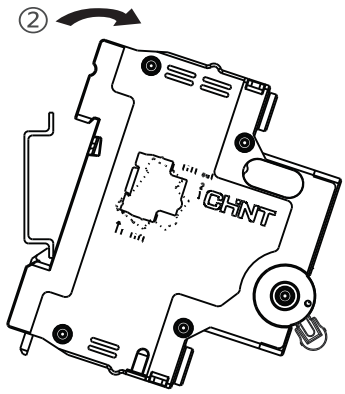


TH35-7.5 type mounting rail



3.4 Disassembly

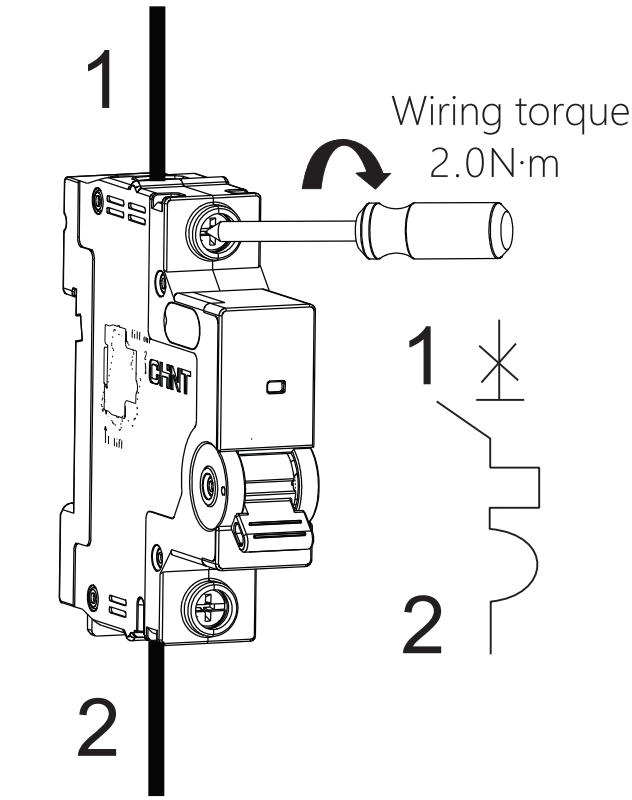


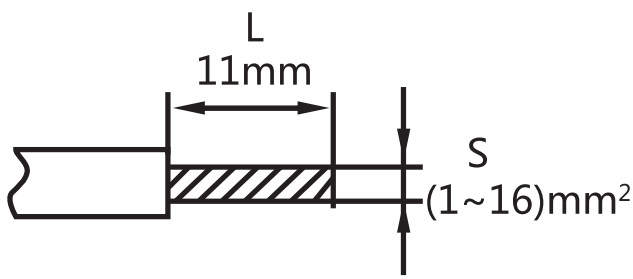


3.5 Wiring: copper wires only

Table 2 Copper wire cross-sectional area

Rated current (In) (A)	Copper wire cross-sectional area S (mm^2)
1-6	1
10	1.5
16、20	2.5
25	4
32	6
40、50	10
63	16





4 Maintenance

4.1 Check the circuit breaker on a regular basis during operation;

4.2 After the circuit breaker cuts off the overload or short-circuit current, the fault should be eliminated before closing the circuit breaker.

Table 3 Analysis and troubleshooting of common faults

Symptoms	Cause analysis	Troubleshooting method
The handle cannot close the circuit breaker	Short circuit at load end	Eliminate the fault
	Failure of operating Mechanism	Replace the product
	The rated current of the circuit breaker does not match the load current	Replace with product of correct specifications
Temperature is too high	The wire is loose or not properly fixed by wiring screws.	Tighten the wiring screws
	The cross-sectional area of the selected wire is too small	Replace with wire of proper specifications
No power	The wire strip length is too short.	Re-strip the wire
	The wire is loose or not properly fixed by wiring screws.	Tighten the wiring screws

5 Environmental Protection

In order to protect the environment, the product or product parts should be disposed of according to the industrial waste treatment process, or be sent to the recycling station for assortment, dismantling and recycling according to local regulations.

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User Instruction

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CHINT

QC PASS

CB-60A

Miniature Circuit Breaker

IEC/EN 60898-2

Check 12

Test date:Please see The packing

ZHEJIANG CHINT ELECTRICS CO.,LTD.