

SHT-b, U/OVT-b INSTRUCTION MANUAL

⚠ Before installation, wiring, operation, maintenance and inspection of the device, be sure to read the operating instructions carefully to ensure proper operations.

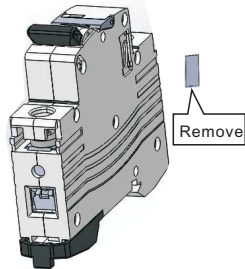
1. Ratings

- SHT- b: Mounting on the right side of BKN -b, used to trip the combined BKN -b by remote controlling device.
- U/OVT- b: Mounting on the right side of circuit breaker, actuate the combined device to trip in case of under-voltage or over-voltage, effectively prevent the device from closing operation under abnormal power voltage condition.

SHT- b	Rated voltage (Ue)	AC 110-415V
	Operate voltage range	70-110% Ue
U/OVT- b	Rated voltage (Ue)	AC 230V
	Over-voltage tripping range	280V ± 5%
	Under-voltage tripping range	170V ± 5%
Electro-mechanical endurance		10,000 operations
Terminal		M5 screw (cable up to 25mm ²)

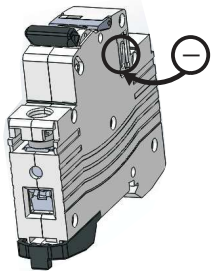
2. Installation

1. On the OFF position, Remove Cap from BKN-b

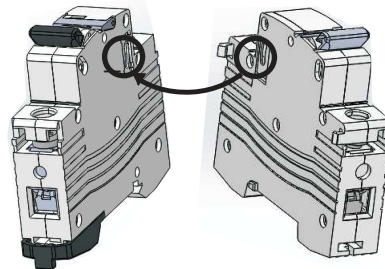


Remove

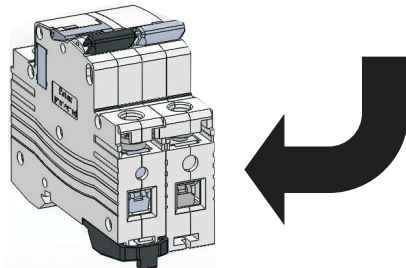
2. Put the pin in the hole of the BKN-b



3. Assembly trip-lever of SHT- b or U/OVT- b to BKN-b carefully



4 Hold the SHT-b or U/OVT-b hook on the BKN-b.



3. Safety Precaution

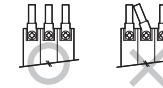
- ⚠ **DANGER:** Offending against the message will result in death or serious injury.
- ⚠ **CAUTION:** Offending against the message will result in minor injury or physical damage.

⚠ DANGER

- 1) Turn off the upstream circuit breaker before installing or service to prevent electric shocks and burns due to short circuit.
- 2) Do not touch and live naked terminals. It makes an electric shock.
- 3) Do not touch two live lines simultaneously. The circuit breaker does not operate even if an electric shock occurs.

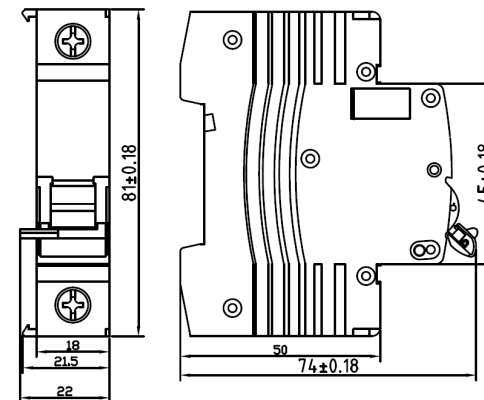
⚠ CAUTION

- 1) Do not install the circuit breaker in place of environment with shock, high temperature, humidity, dust, corrosive gases, excessive vibration, etc. to prevent fire accidents and malfunction of the device.
- 2) Use the breaker in a range of the rated voltage and current shown on the name plate. Or it may cause malfunction.
- 3) Each terminal or conductor pole should be connected in parallel as shown below.



- 4) Be sure to ground the ground terminals of electrical devices.
- 5) When the circuit breaker trips of itself, remove the cause and turn the handle on. Or else, it may lead to the fire accident.
- 6) Do not modify the device unless it is permitted.
- 7) When the device become useless, it should be dispose of them as an industrial waste.
- 8) In order to fix MCB in DIN-Rail, Install fixing bracket on the both MCB side, After wiring.

4. Dimension



5. Appearance

