

USER MANUAL : SAFE-T-PROOF Model WR-4-02 EV/SAFE

Safe-T-Cut Smart Model DGL2 -63 B is an automatic earth leakage circuit breaker type RCDs/RCCB designed to be used.

Only an additional connection point from the existing electrical system that already has a circuit breaker to protect against overcurrent. Suitable for applications such as EV charging systems, medical electrical systems, elevators, solar PV systems, etc. to protect people from electric shock (electric shock).

- It is a protective device for earth leakage current. that can cut off the leakage current to the ground, both alternating current (AC) and direct current (DC) leakage to the ground
- Designed for use with EV charging systems or other battery powered devices such as inverters, uninterruptible power supplies (UPSs), and other circuits that require DC leakage protection.
- Confidence in quality. Passed international standards IEC 61008-1, EN 62423

Application for WR-4-02

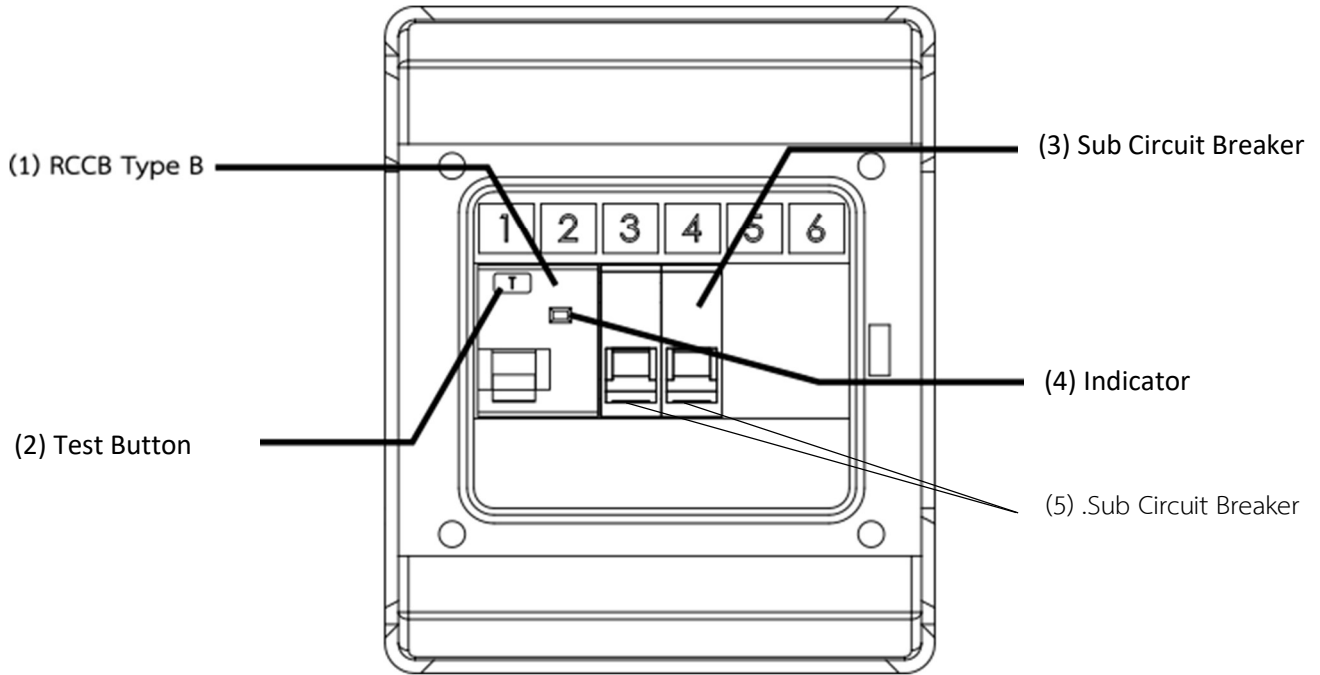
1. Push the switch lever of the RCCB Type B (1) to "ON" to supply power.
2. Then press the TEST button (2) to check the operation of RCCB Type B (1), which must cut off the circuit immediately, indicating that the normal RCCB Type B (1) will cut off the circuit immediately.
3. In the event of a Short Circuit, sub circuit breaker (5) will be cut off immediately. And in case of overload, the sub circuit breaker (5) will be hot and cut off the circuit.

Application for RCCB

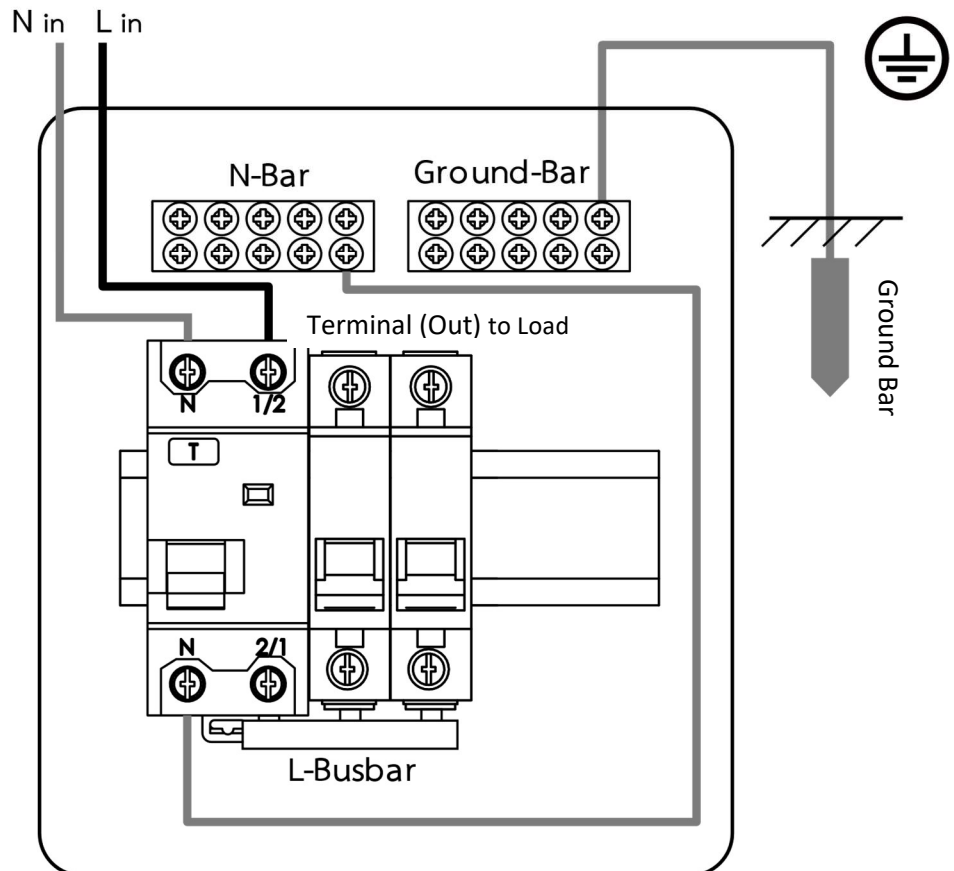
1. After installing the RCCB, push the switch lever (1) up to the "ON" position. The RCCB will supply current to the load immediately.
2. Then try to press the TEST button (2), the RCCB will cut off the circuit immediately. indicates that the normal machine is ready to use. Notice that the indicator box (4) will turn red.
3. While in use, when there is an abnormality from electric shock (leakage through people), the RCCB will cut off the circuit immediately in less than 0.1 seconds and once the fault has been fixed, move the switch (1) to the "ON" position, the RCCB is ready to continue working.
4. You can test the operation of the RCCB by yourself by pressing the TEST button (2). Normally, the circuit must be cut every time. Before pushing the switch (3), "ON" should be turned off all switches/electrical usage. In particular, unplug the electric vehicle charger and all peripheral electrical equipment. To prolong the service life of electrical appliances, if the TEST button is pressed, the RCCB does not cut off, please contact an experienced electrician to check immediately. Or contact the Safe-T-Cut Smart service center for advice.
5. It is recommended to press the TEST button (2) every time before use.

Contact an experienced electrician to check immediately. Or contact the Safe-T-Cut Smart service center for advice.

Wiring Diagram



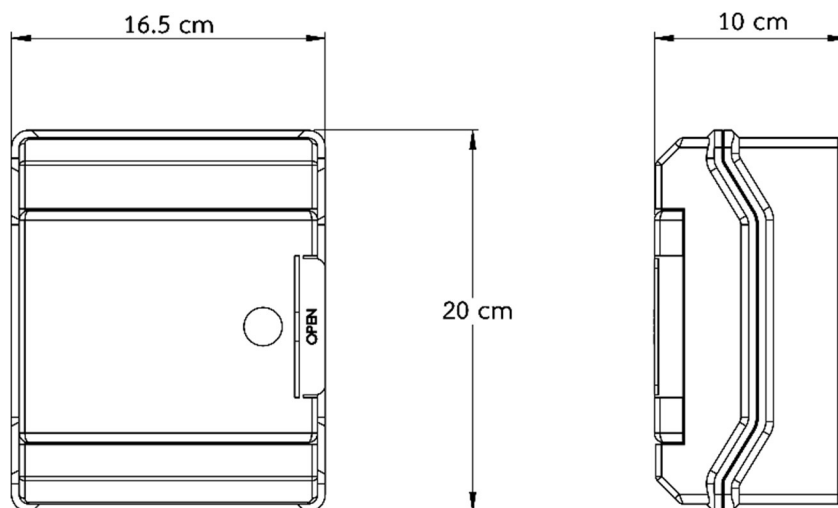
Terminal (In) 230 V



Specifacation

Model	WR-4-02 EV/SAFE
Rated Voltage (Un)	230 V
Rated Current (Ina)	40 A
Rated Current (Inc)	40 Amax
Rated conditional short-circuit current (Sub Circuit Breaker	6000 A
Number of Pole	2 WAY
Ingress Protection	IP 65
Rated Voltage (Un)	230 V
Rated Frequency (F_n)	50 Hz
Operating Temperature	10-40 °C
Short circuit protection characteristics	MCB
RCCB (DGL2-63B)	
Pole	2 Pole (1P+N)
Rated Current (In)	40A
Rated Voltage (Un)	230VAC
Rated Frequency	50 Hz
Rated Residual Operating Current (IΔn)	30mA
RCCB (Break time of a RCCB)	≤0.1 sec
Rated conditional short-circuit current (Inc)	10000 A
Rated Making and Breaking Capacity (IΔm)	1000 A
(Degree Of Protection	IP 20
Wave form of the earth leak current sensed (Type)	AC, A, F, B
Operating Temperature	-25~+45, max. 95 % humidity
Terminal tightening torque	3.5 N.m
Standard	IEC/EN 61008-1, 62423, 60898
Total Weight (Included RCCB & Box)	1.1 kg

Dimension



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