Residual Current Circuit Breaker With Over current Protection (RCBO)

⚠⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Isolate, lock off and label the power sources before and during the installation and the maintenance.

Failure to follow these instructions will result in death or serious injury.

The installer must ensure that all electrical connections are tight and that satisfactory earthing has been achieved.

These installation instructions must be handed by the end user according to IEC/EN 61009-1 and GB/T 16917. 1 standard.

1 Certificate

We, Oldlang Electric, hereby declare that our product Description: Residual Current Circuit Breaker With Over current Protection (RCBO)

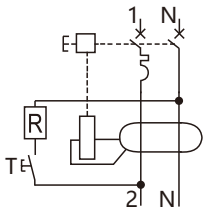
Range: CHG15-40
Brand: Oldlang
is tested in our factory as per routine tests stated in the European Standard IEC/EN 61009-1 and the Chinese Standard GB/T 16917.1.

Stamp of the manufacturer for the technical quality control.

CE

www.Oldlang.cn

2 Description

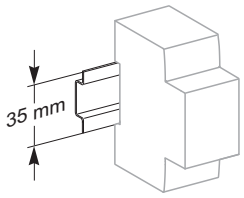


IEC/EN 61009-1
GB/T 16917.1

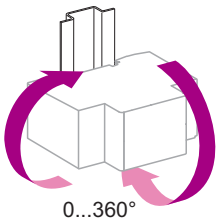
Residual Current Circuit Breaker With Over current Protection (RCBO) provides:

- Protection of persons against electric shock by direct contact (30mA): Electrical standard IEC/EN 61009-1 and GB/T 16917.1,
- Protection of persons against electric shock by indirect contact (100 mA, 300 mA),
- Protection of building and equipment against fire ignition by leakage currents (300 mA),
- OFF position of the toggle ascertains disconnection of downstream part from power source,
- A test button (on the front face above the toggle) allows to check healthy functioning of the RCBO.

3 Installation

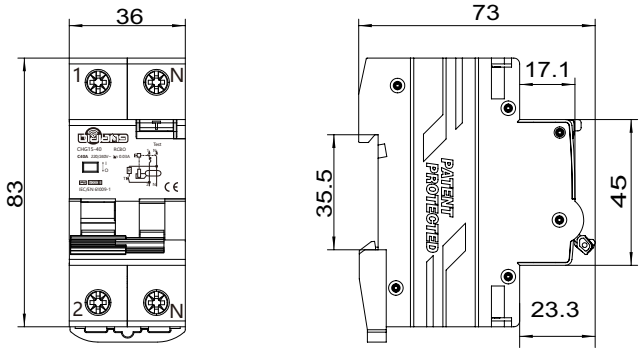


Clip on DIN.



Indifferent position of installation.

4 Dimensions



ALL THE DIMENSIONS ARE IN MM

5 Connection

NOTICE

HAZARD OF IMPROPER OPERATION

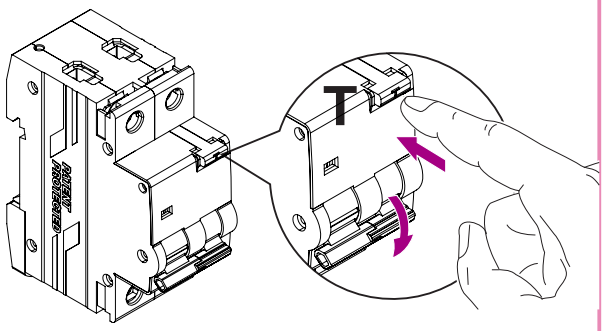
- Protect, as per Standard IEC/EN 61009-1,each CHG15-40 RCBO by suitable overcurrent protection device. An Oldlang's MCB fitted upstream ensures this protection and compliance to standard.
- To ensure the correct operation of CHG15-40 RCBO, both the live and neutral conductors must be connected to the device.

Failure to follow these instructions can result in equipment damage.

CHG15-40 RCBO	10 mm	14 mm	1...35 mm²	3.5 N.m	6.5 mm / PZ2

6 Test

1. A test for the effectiveness of the RCBO in the protected installation should be carried out, periodically, as detailed in applicable maintenance standards.
2. To test the operation of the RCBO after installation :
■ RCBO must be in ON position and energised,
■ Press the test button on the front of the device,
■ The RCBO should trip immediately.
Failure to do so indicates either no supply to the RCBO or a faulty device.



NOTICE
HAZARD OF IMPROPER OPERATION Do not use test button to switch OFF RCBO. Failure to follow these instructions can result in equipment damage.

7 Technical characteristics

Main Characteristics		
Tripping threshold (IΔn)	30 mA, 100 mA, 300 mA	50% to 100% of IΔn
Voltage rating (Ue)	1P+N	220/240VAC 50/60Hz
Rated current (In)	Curve: B, C	C1~C40A B1~B40A
Additional Characteristics		
Degree of protection: Device only		IP20
Electrical Endurance		4 000 cycles
Mechanical endurance		5 000 cycles
Operating temperature		-5°C~+55°C
Storage temperature		-25°C~+85°C
Constituent materials		RoHS 2003 compliant

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