

Residual Current Circuit Breaker (RCCB)

⚠️ 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 61008-1 and IEC 62423 and GB/T 16916. 1 standard.

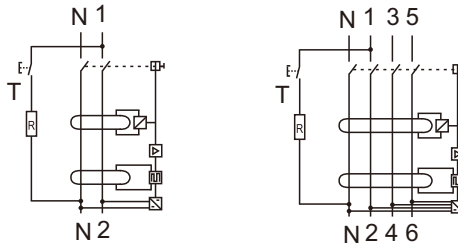
1 Certificate

We, Oldlang Electric, hereby declare that our product Description: Residual Current Circuit Breaker (RCCB) Range: VDL14-63 Brand: Oldlang is tested in our factory as per routine tests stated in the European Standard IEC 62423 and the European Standard IEC 61008-1.

Stamp of the manufacturer for the technical quality control.



2 Description

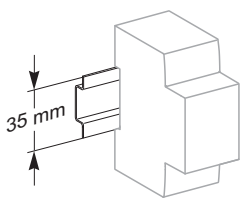


IEC 62423
IEC/EN 61008-1

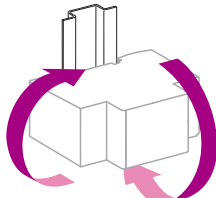
Residual Current Circuit Breaker (RCCB) provides:

- Protection of persons against electric shock by direct contact (30 mA): electrical standard IEC 61008-1,
- 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 RCCB.

3 Installation

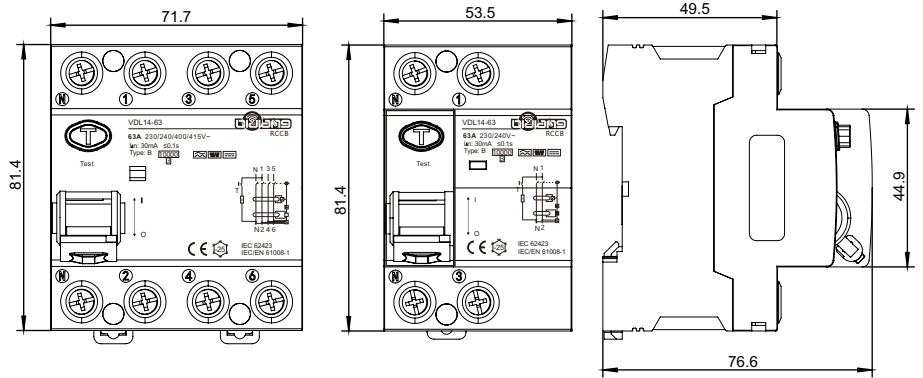


Clip on DIN.



0...360°
Indifferent position of installation.

4 Dimensions



ALL THE DIMENSIONS ARE IN MM

5 Connection

NOTICE

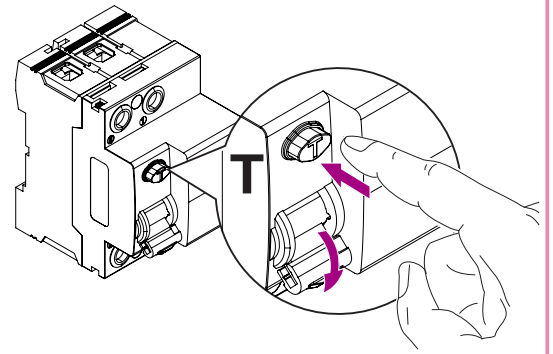
HAZARD OF IMPROPER OPERATION

- Protect, as per Standard IEC 61008-1, each VDL14-63 RCCB by suitable overcurrent protection device. An Oldlang' s MCB fitted upstream ensures this protection and compliance to standard.
- To ensure the correct operation of VDL14-63 RCCB, both the live and neutral conductors must be connected to the device. Failure to follow these instructions can result in equipment damage.

VDL14-63 RCCB	10 mm	14 mm	1...35 mm ²	3.5 N.m	6.5 mm PZ2

6 Test

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



NOTICE

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

7 Technical characteristics

Main Characteristics		
Tripping threshold ($I_{\Delta n}$)	30 mA, 100 mA, 300 mA	50% to 100% of $I_{\Delta n}$
Voltage rating (U_e)	2P	240 Va , 50 Hz
	4P	240/415 Va , 50 Hz
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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