



LIVE ELECTRICAL DISTRIBUTION UK LTD

4 Queensmead Place, Textilose Road, Manchester, M17 1PH
Tel: 0161 8702592 Web: www.liveelectrical.co.uk
E-mail: sales@liveelectrical.co.uk



Ensure that these instructions are made available to the end user for future reference.

© Product installation and operation guide



TYPE B RESIDUAL CURRENT CIRCUIT BREAKER(RCCB)

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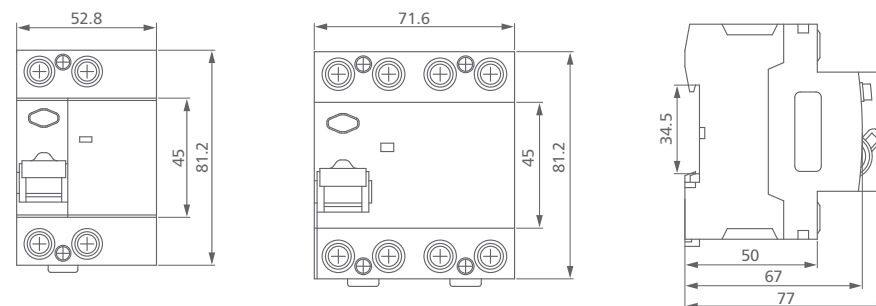
Description & Features

Smooth DC residual currents can occur in industrial, commercial and residential applications which contain photovoltaic systems, frequency converters or electronic devices. Our type B RCCB can detect DC fault currents, which can occur in frequency inverter controls, photovoltaic systems as well as through electronics used in households. They can detect residual current faults comprising of pure AC up to 1000 hertz, rectified AC, pure DC and pulsating DC, and increases safety considerably. They comply with IEC/EN 61008-1 and IEC/EN 62423.

Technical Data

- Rated Current: 25A,40A,63A
- Rated tripping current $I_{\Delta n}$: 30mA/100mA/300mA
- Sensitivity:AC, pulsating and smooth DC residual currents
- Rated voltage U_n :230/400 V AC
- Rated frequency: 50Hz
- Rated insulation voltage U_i : 440V
- Rated impulse withstand voltage U_{imp} : 4 kV (1,2/50 μ s)
- Rated short circuit capacity I_{cn} : 10kA
- Peak withstand current:3kA
- Endurance electrical:4.000 operating cycles
- Endurance mechanical: 20000 operating cycles
- Operation temperature:-5 °C to +40 °C
- Degree of protection: IP20
- Terminal capacity: 1,5 - 35 mm²
- Rated: 6mA Smooth DC

Product Dimension



Safety Instructions

- 1.Installation position: RCCB should be installed at the incoming end of the circuit, close to the power supply side, to ensure protection of the entire circuit.
- 2.Wiring method: It is necessary to strictly follow the wiring diagram in the product manual to ensure the correct connection of live and neutral wires.
- 3.Regular inspection: The working status of RCCB should be regularly checked, including testing the sensitivity of buttons and the reliability of the release mechanism.
- 4.Usage environment: RCCB should be installed in a dry, ventilated, and non corrosive gas environment to avoid moisture or corrosion.
- 5.Precautions: During installation and use, relevant electrical safety regulations and operating procedures must be followed to ensure personal and equipment safety.