

# 40A Electronic Residual Current Circuit Breaker

This residual current operated circuit breaker is suitable for AC 50Hz, rated voltage single pole two lines 230V, rated current to 40A line. The circuit breaker has overload and short circuit protection functions, and can also be used as an infrequent conversion start of the line under normal conditions.



## Product Overview

### Safety and Protection

The CQB91LE-40 residual current operated circuit breaker is designed for AC 50Hz electrical systems, offering comprehensive protection for both personnel and equipment. It features integrated overload and short-circuit protection, capable of rapidly cutting off power supply during leakage or fault conditions. This versatile device is suitable for protecting lines or motors and supports infrequent conversion starts under normal operating conditions.

## Electrical Specifications

### Available Rated Currents

- 6
- 10
- 16
- 20
- 25
- 32
- 40

### Rated Breaking Capacity

**6 kA**

Breaking Capacity

Rated Voltage 230 V

Pole Configuration 1P+N

## Protection Features

### Leakage Characteristics

A • AC

### Tripping Curves

B • C

Rated Tripping Currents 10mA, 30mA, 100mA

## Durability and Environment

### Service Life

Type	Minimum Cycles
Mechanical	6000
Electrical	4000

Protection Class IP20

Pollution Degree 2

## Installation Requirements

### Conductor Cross-section

Rated Current (A)	Cross-section (mm <sup>2</sup> )
6-16	2
20-25	2.5
32-40	4

## Compliance

Compliance Standards GB/T16917.1, IEC61009-1