

# Molded Case Circuit Breaker

This molded case circuit breaker is designed for circuit protection. It provides overcurrent and short-circuit protection with adjustable settings.



## ADDITIONAL IMAGES



## Product Overview

### Professional Grade MCCB

This Molded Case Circuit Breaker (MCCB) is designed for robust circuit protection in electrical distribution systems. Engineered for reliability, it supports both manual control via toggle or rotary handles and offers versatile connection options including fixed and plug-in configurations. Suitable for a wide range of industrial applications, it adheres to international standards IEC60947 and EN60947-2 to ensure safety and consistent performance.

## Electrical Characteristics

### Utilization Category

Category A

Rated Current (A)	16, 25, 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 400, 500, 630
Rated Insulation Voltage (Ui)	800 V
Rated Impulse Withstand Voltage (Uimp)	8 kV
Rated Operational Voltage (Ue)	AC 50/60Hz, 690V

## Breaking Capacity

### Breaking Capacity (Icu/Ics) at 380/415V

Level	Capacity (kA rms)
F	36
N	50
H	70

## Mechanical & Operation

### Number of Poles

- 3P
- 4P

### Mechanical Operations

**20000 cycles**

CNSX100-250

**10000 cycles**

CNSX400-630

### Control Options

Manual Toggle, Direct Rotary Handle, Extended Rotary Handle

## Protection & Auxiliaries

### Thermal Protection Details

The MCCB utilizes a bimetal strip providing an inverse time curve. The Ir setting is adjustable from 0.7 to 1 times the rating of the trip unit, covering a range from 11A to 250A depending on the specific model, with a non-adjustable time delay.

### Available Auxiliaries

Auxiliary Switch, MX Shunt Coil, MN Under-voltage Coil