

# Motor Protection Circuit Breaker

This motor protection circuit breaker provides comprehensive protection for electric motors. It integrates overload, short-circuit, and phase-failure protection in a compact unit.



## ADDITIONAL IMAGES



## Overview

### SGV2-M Series Motor Protection Circuit Breaker

The SGV2-M series motor protection circuit breaker provides comprehensive protection for electric motors against various electrical faults. It is designed to handle motor start times, over-current, short circuits, phase imbalances, and overheating. This versatile device ensures operational safety through features like manual start/stop controls and a built-in test function, making it suitable for demanding industrial and commercial applications.

## Electrical Ratings

Rated Insulation Voltage (Ui)	690 V
Rated Operational Voltage (Ue)	230/240, 400/415, 440, 500, 660/690
Rated Impulse Withstand Voltage (Uimp)	8 kA

## Performance Metrics

### Mechanical Life

**20000 times**  
Mechanical Life

### Electrical Life (AC-3)

**10000 times**  
Electrical Life (AC-3)

## Standards and Compliance

Approvals

CE

Standards

IEC60947-2, IEC60947-4-1

## Environmental and Installation

Degree of Protection

IP 20; IP65 with enclosure

Ambient Air Temperature

-5 to +40 °C (max 95% humidity)

Max Operating Altitude

2000 m

Tightening Torque

1.7 N.m