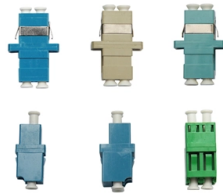


MC30 Relay Protection Device



Article Overview

The MC30 is a three-phase overcurrent and earth fault relay with programmable time-current curves, designed for versatile protection of power distribution systems.

Key Features

The MC30 relay is suitable for power distribution systems with insulated, resistance-earthed, or compensated neutral configurations. It supports selectable rated input currents of 1A or 5A at 50/60 Hz and connects through three current transformers (CTs) for accurate measurement and protection .

Protection Functions

- F49: Thermal image element for overload detection
- F50/51: Three independent overcurrent elements
- F50N/51N: Three earth fault elements
- F51BF: Breaker failure protection

Measurement and Recording

- Real-time measurements of IA, IB, IC, and Io
- Maximum demand and inrush current recording
- Trip recording for the last 20 trips with date and time
- Oscillographic waveform capture for detailed event analysis

Control and Communication...

Article Content

May 23, 2026

Protective relays and predictive devices | Eaton

Eaton's protective relays provide you with unique microprocessor-based devices that eliminate

Jun 22, 2026

ItemDetails

Safety relay for emergency stop and safety doors up to SILCL 3, Cat. 4, PL e, 2-channel operation, automatic or manual, monitored

Jun 04, 2026

PSR-MC30-2NO-1DO-24DC-SP

Sicherheitsrelais für Not-Halt und Schutztüren bis SIL 3, Cat. 4, PL

Mar 28, 2026

LINE MC Microelettrica Scientifica manufactures a

LINEMC Digital relays for protection, monitoring and control Microelettrica Scientifica manufactures a comprehensive line of

Mar 07, 2026

PROTECTION RELAYS

PROTECTION RELAYS MC2-30MW Motor protection relay with voltage & power control General Characteristics MC2 is the new

Jun 17, 2026

Types of Electrical Protection Relays or Protective Relays

Key learnings: Protective Relay Definition: A protective relay is an automatic device that senses abnormal conditions

Aug 22, 2025

Protection Relays

General Characteristics G-Base is the new generation of Microelettrica Scientifica's base-performance protection relays. This range

Mar 28, 2026

Safety relays

Safety relay for emergency stop and safety doors up to SILCL 3, Cat. 4, PL e, 2-channel operation, automatic or manual, monitored

Aug 23, 2025

Microsoft Word

Four user programmable Output Relays. On request one of the Output Relays can be replaced by a Can Bus port for control of

Nov 09, 2025

PROTECTION RELAYS

Three phase overcurrent & earth fault relay + autoreclosure relay with programmable timecurrent curves suitable for protection of

Oct 22, 2025

PSR-MC30-2NO-1DO-24DC-SC

Safety relay for emergency stop and safety doors up to SIL 3, Cat. 4, PL e, 1 or 2-channel operation, automatic or manual, monitored

Jun 12, 2026

PHOENIX CONTACT PSR-MC30-2NO-1DO-24DC-SP Safety

Safety relay for emergency stop and safety doors up to SIL 3, Cat. 4, PL e, 1- or 2-channel operation, automatic or manual,

Oct 27, 2025

Phoenix Contact PSR-MC30-2NO-1DO-24DC-SP Safety Relay

The PSR-MC30-2NO-1DO-24DC-SP solves this challenge by offering a compact relay that delivers top-tier safety protection for

Jan 04, 2026

MC 30 Eng | PDF | Relay | Power Supply

The document summarizes the technical specifications of the MC30 three phase overcurrent and earth

Mar 01, 2026

PROTECTION RELAYS

MC2-30M Motor protection relay General Characteristics MC2 is the new generation of Microelettrica Scien-tifica's entry level

Aug 05, 2025

Protection and Control Device Numbers and Functions

Description The protection and control devices in electrical equipment can be referred to by numbers, with appropriate suffix letters

Sep 12, 2025

Manuale Operativo

The MC is a very innovative and versatile line of Protective Relays which takes advantage of the long and successful experience

Dec 22, 2025

Fundamentals of Modern Protective Relaying

Where it is desired to have more time delay before element operates for purpose of coordinating with other protective relays or

Jun 30, 2026

Microelettrica MC30 Protection Manuals

View online or download Microelettrica MC30 Protection Operation Manual.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

This document is for informational purposes only. Specifications subject to change without notice.

