

# MCGG Relay Protection



## AI Overview

MCGG refers to a series of overcurrent and earth-fault protection relays used for phase and earth fault protection in electrical systems. Overview The MCGG relay series is designed for overcurrent and earth-fault protection in medium- and low-voltage distribution systems, including feeders, transformers, generators, and neutral earthing resistors. These relays are widely used in industrial plants, substations, and utility networks for selective and reliable protection. Key Features Overcurrent and Earth-Fault Protection: MCGG relays provide both time-delayed and instantaneous protection for phase and earth faults. IDMT and Definite-Time Characteristics: Each relay supports Inverse Definite Minimum Time (IDMT) curves and definite-time settings, allowing coordination with upstream and downstream devices. Multiple Poles and Boards: Versions are available with single, two, three, or four poles, with separate measuring boards for each phase or earth fault input. High-Set Instantaneous Elements: Instantaneous overcurrent and earth-fault elements are included to clear severe faults quickly, and can be disabled if not required. Flexible CT Inputs: Typically supports 1 A or 5 A current transformer inputs, simplifying retrofits on existing switchgear. Draw-Out Case Design: Facilitates front access for testing and rapid replacement, minimizing downtime during maintenance. LED Indicators and Non-Volatile Memory: Provides visual indication of time-delayed and instantaneous operations, with memory retention for testing purposes. Applications MCGG relays are suitable for: Feeder protection in MV/LV distribution networks Backup protection for transformers and generators Protection of neutral earthing resistors Industrial and utility substations, including mining, oil & gas, and data centers Summary While the exact expansion of MCGG is not explicitly documented, it is recognized as a robust series of GEC/ALSTOM overcurrent and earth-fault protection relays. Its combination of IDMT and definite-time characteristics, hi...

## Article Content

### Retrofit Feeder Protection Relays

P& B can provide direct plug in replacements for almost all MCGG and KCGG relays, The P& B midos connector is compatible to the GEC type and allows the existing ALSTOM MCGG62N1CB0753F Protection relay and I/O

It serves as a core protection and signal processing component for industrial automation control systems and PLC/DCS systems, compatible with Grove Epic

### Details Products

Section 1. DESCRIPTION The MCGG 22, 42, 52, 62 and 82 are single, two, three or four pole overcurrent relays, with separate measuring boards for each phase or earth fault input. The MCGG

### MCGG82 Manual

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### ALSTOM MCGG Overcurrent Relays Service Manual | Manualzz

ALSTOM MCGG Service Manual provides detailed technical specifications and instructions for installing, commissioning, and maintaining MCGG overcurrent relays for phase and earth faults.

### P& B GEC Brochure 6pp pc

GEC Retro t Relay Range P& B's retro t range of relays is a comprehensive range of Intelligent Protection and Control products designed to meet the requirements for electrical protection and

### Type MCGG 22, 42, 52, 53, 62, 63 & 82 Overcurrent Relay For Phase

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### GEC Alstrom (MiDOS)

Service Manual Type MCGG Overcurrent Relays for Phase and Earth Faults HANDLING OF ELECTRONIC EQUIPMENT A person's normal movements can easily generate electrostatic

## GEC MIDOS MCGG 01 SERIES SERVICE MANUAL Pdf Download

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MCGG22D1CD1003B

System Name: MCGG System SubType: PROTECTION RELAY Additional Information: MCGG22D1CD1003B - GEC ALSTHOM - Datasheet PDF Internal

Type MCGG

Output miniature relays are an integral part of the module's mother board, so in the event of such a unit failing, the whole relay should be returned to ALSTOM T& D Protection and Control Ltd for repair.

ALSTOM MCGG22L1CB0753E Protective relay and

Adopting a standardized modular design, this product is specially tailored for single-phase overcurrent protection, signal conditioning, auxiliary control and data

MCGG Overcurrent Protection Relay

The MCGG relay is highly configurable, allowing for precise protection and cooperation with other protective devices in the system through the use of adjustable current settings and time

GEC Alstrom (MiDOS)

Protective relays, although generally of robust construction, require careful treatment prior to installation on site. Upon receipt, relays should be examined immediately, to ensure no damage has been

MCGG Overcurrent Relay Technical Specs

Technical specifications for MCGG series overcurrent relays, including features, applications, and settings. Covers various models for phase and earth fault

MCGG 82 Relay Specifications and Features

Relay type Direction control terminals MCGG 22 23,24 MCGG 42 45, 46, 49, 50 MCGG 52, 53 43 to 46, 49, 50 MCGG 62, 63 45 to 50 MCGG 82 43 to 50 Note:

MCGG82 binder file v4 Comp

INTELLIGENT DESIGN P& B's MCGG relay retro t provides direct replacement for your current relay. The easy to navigate interface reliability provide users with total mind. P& B's retro t approach

MCGG82 Manual

The relay can be used to provide selective protection for overhead and underground distribution feeders. Other applications include back-up protection for transformers, generators and

mcgg-cropped

P& B is a leading UK innovator of electrical protection, safety and control technologies. Our specialist expertise and unrivalled experience is relied

Mcgg82 Manual

Type MCGG 22, 42, 52, 53, 62, 63 & 82 Overcurrent Relay for Phase and Earth Faults

Type MCGG 22, 42, 52, 53, 62, 63 & 82 Overcurrent Relay for Phase and Earth Faults

Figure 1: Relay type MCGG 62

MCGG MANUAL RELAY.pdf

Other applications include back-up protection for transformers, generators and HV feeder circuits and the protection of neutral earthing resistors. With all the current/time characteristics available on one

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When the MCGG is used in conjunction with other ALSTOM T& D Protection and Control Ltd relays, the following guidelines should be followed for positioning the

MCGG Relay Overview and Specifications | PDF

This document provides information on the Midos MCGG type overcurrent and earth fault relays: - The relays provide phase and earth fault protection with 4 inverse

MCGG Overcurrent Relay Wiring Guide

MCGG Overcurrent Relay Wiring Guide The document describes the settings and functionalities of the MCGG series static modular overcurrent relays, including current and instantaneous element

MR-METI31 Directional Relay Technical Manual

The combination, of relays types MR-METI and MCGG RETROFIT, are used to ensure discrimination when overcurrent protection is applied to parallel feeders, ring mains, parallel transformers and

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