

GL15 type relay protection



Article Overview

GL15 relays are high-voltage SPDT relays used in protective circuits to detect abnormal conditions and trigger circuit isolation in power systems.

Overview of GL15 Relays

The GL15 relay is a Single Pole Double Throw (SPDT) high-voltage relay, commonly used in electrical protection and automation systems . It functions as an electromechanical switching device that responds to abnormal electrical conditions, such as overcurrent, overvoltage, or fault events, by activating its contacts to initiate protective actions.

Function in Power System Protection

In a power system, GL15 relays serve as auxiliary or primary protective devices. When the relay senses a fault or abnormal condition, it closes or opens its contacts to:

- Complete the trip circuit of a circuit breaker, causing it to disconnect the faulty section .
- Signal alarms or lockout mechanisms to prevent further damage or unsafe operation .
- Coordinate with other relays to ensure selective isolation, maintaining system stability and reliability .

Operating Principles...

Article Content

Integral Motor Protection

Suitable for any motor start or working cycle. Gives excellent protection for L.V. motors up to 1,000 Vac.

Protective Relay Basics

Electromechanical Type Relay This is an example of typical utility upstream transformer and feeder protection coordinated with a low

Protective relays and predictive devices | Eaton

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

Understanding Protective Relays in Power Systems

Protective relays are critical components in power systems, providing essential protection for various elements such

GL15-High Voltage Relays List _Ceramic Vacuum Sealed High

Provide a detailed comprehensive list of high-voltage relays, covering specifications, parameters, and application scenarios for

EN_FANOX_CATA_GeneralCatalogue_GC17_R03_peq.pdf

For motors (1 to 630 A and over), in applications such as sur-face mounted pumps, compressors, mixers, ventilators, ele-vators,

Motor protection relay

This relay is especially applicable in motor control centers (MCC), pumps, compressors, ventilators, centrifugal machines, conveyor

Power System Protective Relays: Principles & Practices

Abstract: Protective relays and devices have been developed over 100 years ago to provide “last line” of defense for the electrical

Integral Motor Protection Relays

GL Integral Motor Protection Relays INTEGRAL MOTOR PROTECTION For 3-phase motors from 1 to 630 A and over. Cable feed

Protection relay selection table

Protection relay selection table Please note before using selection table! number = Number of stages, shots, X =

Models : Safety Light Curtain

GL-R series, models, model list, Cable, Interface unit, Main unit, Other option, Relay terminal, KEYENCE, Belgium

Relay protection circuit a

The current relays of GL15, 16 and GL25, 26 models on the market have quite large contact capacities and a short-term breaking

GL15-SPDT Relays_High Voltage Vacuum Relays_High Quality

Focusing on a detailed introduction and recommendation of SPDT relays, we provide a selection guide for high-quality SPDT relays,

GL15 Vishay General Semiconductor

GL15 Vishay General Semiconductor - Diodes Division Transient Voltage Suppressors (TVS) parts available at DigiKey.

Feeder protection and control REF615 IEC

REF615 is a dedicated feeder IED aligned for the protection, control, measurement and supervision of utility and industrial power

Transformer protection and control

Transformer protection relays are used for protection, control, measurement and supervision of power transformers.

Thermal Overload Relays Electronic Overload Relays

In order to protect motors against short-circuits, it is advisable to use fuses aM in conjunction with the thermal overload relay. The

Protective Relays: Types, Working Principle & Uses

Learn how protective relays detect faults, trip breakers, coordinate protection zones, and

Motor Protection Relay Specifications

The GL motor protection relays: 1. Provide integral protection for 3-phase motors from 1 to 630 A, including overload, phase

GL-10 GL-20 Series over-current relays

GL-10, GL-20 series inverse time over current relays (hereinafter referred to as relays) have inverse time limit characteristics and are

Overload relay

This relay is specially applicable to protect motor which need dependable and accurate protection relays

Integral Motor Protection -GL200

For 3 phase motors up to 200A, in applications such as surface mounted pumps, compressors, mixers,

Protection relays — ABB Group

ABB's smart protection technology ensures smooth and safe everyday life without blackouts. ABB released its first programmable

Basic protection relay knowledge

A fast and selective arc fault mitigation for air-insulated LV & MV switchgear and Relion protection and control relays and sensor

NAIDIAN GL-15 Series Overcurrent Relay 10A GL11 GL12 GL13 GL14

Advanced Protection Technology: The NAIDIAN GL-15 Series overcurrent relay offers reliable protection for electrical systems from

NAIDIAN GL-15 Series Overcurrent Protection Relay

Advanced Protection Technology: The NAIDIAN GL-15 Series offers reliable overcurrent protection, safeguarding against electrical

MERCEDES-BENZ GL multifunctional relay

The best selling Multifunctional relay replacement parts suitable for MERCEDES-BENZ GL are available for your in original quality

Types of Protective Relays

This article covers various types of protective relays, such as overcurrent, directional, and differential relays, highlighting their

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