

Complete List of Relay Protection Icons



Overview

After a detailed analysis of the existing normative documentation (IEC and IEEE / ANSI), I have compiled a complete list of currently valid relay symbols. Relay symbols play a critical role in understanding and implementing electrical systems, yet their intricacies can be challenging to navigate. There are two methods for indicating protection relay functions in common use. The functions are supplemented by letters where amplification of the function is required. ANSI IEEE Standard Device Numbers are below: (the more commonly used ones are in bold) 86T is a Lockout Relay for a. 1; Relay symbols and device numbers; selection from 1 MAK 590 OOB-BEN IEC 617-, IEEE C37. 2-1979 Symbols and designations ~)ymbols and designations, based on the IEC 617-series, IEC 617-7 (1983) and others Block symbols and qualifying symbols 1. such as 50 for instantaneous overcurrent protection and 59 for overvoltage protection.



Article Content

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ANSI codes and IEC Relay Symbols – Electrical Engineering

To assist the Protection Engineer in converting from one system to the other, a select list of ANSI device numbers and their IEC equivalents are given in the following figure.

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ANSI Standard Device Numbers & Common Acronyms

ANSI Standard Device Numbers & Common Acronyms ANSI Standard Device Numbers & Common Acronyms

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ANSI CODES FOR PROTECTION FUNCTIONS

Each protective function is indicated by a specific no. such as 50 for instantaneous overcurrent protection and 59 for overvoltage protection. Following is the list of the functions.

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Table of ANSI IEEE Standard Device Numbers

In North America protective relays are generally referred to by standard device numbers. Letters are sometimes added to specify the application (IEEE Standard C37.2-2008).

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Protection and Control Device Numbers and Functions

This publication contains new and updated information as indicated in the following table. The protection and control devices in electrical equipment can be referred to by numbers, with appropriate suffix ...

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Appendix 2 ANSI/IEC Relay Symbols

To assist the Protection Engineer in converting from one system to the other, a select list of ANSI device numbers and their IEC equivalents is given in Figure A2.1.

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Relay Symbols & Device Numbers: IEC & IEEE Standards

Technical document detailing relay symbols, device numbers, and functions based on IEC 617 and IEEE C37.2 standards for switchgear.

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IEC Relay Symbols and Functions Guide | PDF | Relay | Switch

Relay Symbol - Free download as PDF File (.pdf), Text File (.txt) or read online for free. This document provides symbols and designations for relay protection devices based on IEC 617 standards.

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Relay Symbols: Complete List – Asutpp

This article aims to provide electricians, engineers, technicians, and curious homeowners with a helpful overview of common relay symbols, enabling clearer communication and safer electrical work.

Contact Us

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

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town, 7441, South Africa

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