ANSI Coding Table for Relay Protection

Overview

In and, ANSI Device Numbers can be used to identify equipment and devices in a system such as,, or. The device numbers are enumerated in / Standard C37.2 Standard for Electrical Power System Device Function Numbers, Acronyms, and Contact Designations. Many of these devices protect electrical systems and individual system components from damage whe.

AI Overview

ANSI device numbers standardize the identification of protective relay functions, with numbers and suffixes indicating specific protection types and applications.Overview of ANSI Device NumbersANSI (American National Standards Institute) device numbers are used to identify protective devices in electrical power systems, such as relays, circuit breakers, and instruments. These numbers are defined in ANSI/IEEE Standard C37.2 and are widely used in documentation like single-line diagrams and schematics . Each number corresponds to a specific protective function, and suffix letters provide additional context, such as connection type or device application.Common SuffixesG: Ground protection (e.g., 51G for a time overcurrent ground relay) or Generator (e.g., 87G for generator differential protection)T: Transformer (e.g., 87T for transformer differential protection)N: Neutral connection (e.g., 50N for neutral overcurrent relay)X, Y, Z: Auxiliary devices or additional functions Key ANSI Device Numbers for Relay ProtectionANSI NumberFunction DescriptionExample50Instantaneous overcurrent50N – Neutral overcurrent relay51Time overcurrent51G – Ground overcurrent relay59Overvoltage59B – Bus overvoltage relay27Undervoltage27 – Undervoltage relay46Phase unbalance46 – Negative sequence current protection87Differential protection87T – Transformer differential relay, 87G – Generator differential relay86Lockout relay86T – Transformer lockout relay32Directi...

Article Content

ANSI Device Codes and Functions | PDF | Relay

This document contains a list of 96 numerical codes and their corresponding relay or protective device types. The codes range from 1 to 95 and include categories like

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

ANSI device numbers

In electric power systems and industrial automation, ANSI Device Numbers can be used to identify equipment and devices in a system such as relays, circuit breakers, or instruments. The device numbers are enumerated in ANSI/IEEE Standard C37.2 Standard for Electrical Power System Device Function Numbers, Acronyms, and Contact Designations. Many of these devices protect electrical systems and individual system components from damage whe

ANSI Standard Device Numbers & Common Acronyms

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

ANSI Codes for Protection Relays | PDF | Relay | Switch

This document provides a list of ANSI/IEEE codes for protection functions along with a description of each function and their typical application areas for capacitors,

ANSI device numbers

In electric power systems and industrial automation, ANSI Device Numbers can be used to identify equipment and devices in a system such as relays, circuit breakers, or instruments.

ANSI Codes for Protective Relays | PDF | Relay | Switch

The document lists 99 international codes and their corresponding descriptions of protective devices used in drawings of circuits for protective relaying in power

Table of ANSI IEEE Standard Device Numbers

This table details ANSI IEEE Standard Device Numbers as used for protective relaying in North America. Suffixes for numbers are also suggested.

ANSI/IEEE Relay Protection Codes

This document lists ANSI/IEEE protection codes that are used to identify different types of protective relay devices and monitoring equipment. There are over 100

ANSI Relay Protection Codes Overview

The document lists codes and acronyms used for electrical relay protection devices. Codes 1-99 are assigned to various relay devices that perform functions like

ANSI CODES FOR PROTECTION FUNCTIONS

The ANSI(American National Standards Institute) has standardized the codes to be used for protection relays. Each protective function is indicated by a specific no. such as 50 for instantaneous

ANSI codes and IEC Relay Symbols – Electrical

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

Decoding ANSI Codes for Protection Relays

When a protection relay detects a fault in the electrical grid, it isolates the faulty section and cuts off the power supply. Protection Relays can, at times,

ANSI Relay Protection Code List | PDF | Relay | Detector (Radio)

This document lists 57 ANSI codes and their corresponding descriptions of protection devices and functions.

Electrical System Protection Relay Selections IEEE ANSI Codes

Selecting the correct protection relays based on ANSI codes is critical for ensuring electrical system safety. Protection relays are responsible for detecting faults in the system and

ANSI Protection Relay Codes List

ANSI Codes for Protection Functions - Free download as PDF File (.pdf), Text File (.txt) or read online for free. This document lists 96 numbered items that appear

Protection relay selection table

Protection relay selection table Please note before using selection table! number = Number of stages, shots, X = Function supported inputs or outputs O = Function available as option

ANSI Codes for Protective Relays | PDF | Relay | Switch

Ansi Code for Protective Relay - Free download as PDF File (.pdf), Text File (.txt) or read online for free. ANSI Standard Device Numbers (ANSI /IEEE Standard

Relay symbols and device numbers; selection from IEC 617-, IEEE

Definition and function Master element is the initiating device, such as a control switch, voltage relay, float switch etc., that serves either directly, or through such permissive devices as protective and

Protection Relays Numbering (ANSI) | PDF

This document lists standard electrical power system device function numbers from ANSI C37.2. It includes 99 device functions numbered 1 through 99 with

ANSI Device Numbers for Relays | PDF | Relay | Switch

Ansi Code for Protective Relay - Free download as PDF File (.pdf), Text File (.txt) or read online for free. ANSI device numbers denote the functions of protective

Protection Relay

In the design of electrical power systems, the ANSI Standard Device Numbers denote what features a protective device supports (such as a relay or circuit breaker). These types of

ANSI/IEEE Function Number Codes

Protective relay functions are typically represented in single-line electrical diagrams as circles, with the ANSI/IEEE number code specifying each function. This is

ANSI codes and IEC Relay Symbols – Electrical

There are two methods for indicating protection relay functions in common use. One is given in ANSI Standard and uses a numbering system for various functions.

ANSI Codes for Relay Protection | PDF

The document lists various ANSI codes for relay protection devices including: time delay relays, distance protection, check synchronizing, under voltage protection, overcurrent protection, thermal overload

ANSI Relay Function Codes Overview | PDF | Relay | Direct Current

The document provides a comprehensive ANSI table listing various electrical devices and their corresponding designations, ranging from main elements to specialized relays. It includes definitions

ANSI Relay Codes and Protection Types | PDF

This document lists various types of relay codes used for protection and control in electrical systems. Some of the relay codes listed include 27 for undervoltage

ANSI Codes for Protection Relays | PDF | Relay | Switch

The ANSI has standardized codes for protective relay functions, with each function assigned a specific number. Some common codes include 50 for instantaneous

ANSI Device Numbers and Acronyms Guide

This document lists ANSI standard device numbers and common acronyms used in power systems. It provides suffixes and descriptions for device numbers

Contact Us

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

Website: https://www.mr-security.co.za
Email: info@mr-security.co.za
Phone: +33 1 45 23 67 81
Address: 10 Rue de la Paix, 75002 Paris, France

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