

# Relay protection terminal block number



## Overview

The numbers 30, 85, 86, and 87 represent a standardized terminal numbering system defined by the DIN 72552 standard, originally developed for automotive applications but now widely adopted in various industrial settings. The protection and control devices in electrical equipment can be referred to by numbers, with appropriate suffix letters when necessary, according to the functions they perform. These numbers are based on a system that is adopted by a standard for automatic switchgear by Institute of Electrical. The device numbers are enumerated in ANSI / IEEE Standard C37. These terminal designations create a universal language for relay connections. In North America protective relays are generally referred to by standard device numbers. 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. General block symbols Protection.

## Article Content

How to use Lockout Relay (master trip relay) in

Practical applications of lockout relays on mainstream switchgear and protection and adaptations in modern digital power substations.

Terminal blocks, protectors and distribution blocks

Class 9080 Type G terminal blocks This family of blocks and accessories offers a wide variety of features like DIN 3 track mounting, colored blocks, terminal screws shipped backed out, captive

Understanding the ANSI/IEEE Device Numbering System

The American National Standards Institute (ANSI) and the Institute of Electrical and Electronics Engineers (IEEE) device numbering system provides a standardized language for

ANSI device numbers

When one device performs several protective functions, it is typically denoted "11" by the standard as a "Multifunction Device", but ANSI Device Numbers are still used in documentation like single-line

What Are The Numbers On A Relay

The numbers on a relay refer to the operational characteristics of the relay and its contact points. The first number indicates the number of poles,

ANSI Codes

Device Numbers 1. Master Element is the initiating device, such as a control switch, voltage relay, float switch, etc., which serves either directly or through such permissive devices as

Understanding Terminal Block Relays

Terminal Block Relays are defined as a control and automation relay that has the form and fit of a terminal block and DIN Rail mounted to save panel space.

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

Relays and relay parts Auxiliary relay with mechanical contacts Auxiliary relay, block symbol Static relay with terminals for external auxiliary voltage supply

1MRK590006-BEN: Guide to Relay Symbols & Device

General block symbols Protection relay The asterisk must be replaced by one or more letters or qualifying symbols indicating the parameters of the device

Protection and Control Device Numbers and Functions

The protection and control devices in electrical equipment can be referred to by numbers, with appropriate suffix letters when necessary, according to the functions they perform.

Practical handbook for relay protection engineers | EEP

Relay protection circuitry This handbook covers the code of practice in protection circuitry including standard lead and device numbers, mode of

Terminal blocks with system

The Phoenix Contact terminal blocks enable a high degree of flexibility in terminal strip design. Choose between various connection technologies and combine the

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.

What Are ANSI Relay Numbers? The Complete C37.2 Code List

Understanding ANSI standard relay numbers is crucial for anyone involved in electrical protection and control systems. These numbers, defined by the ANSI/IEEE C37.2 standard, provide

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.

ANSI device numbers

- 1 - Master Element
- 2 - Time-delay Starting or Closing Relay
- 3 - Checking or Interlocking Relay, complete Sequence
- 4 - Master Protective

To: [Customer Name]

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

Info Byte: What's the Reason Behind Relay Terminal Numbering?

Terminals are always 2-digit numbers, and both digits should be interpreted separately. The first digit identifies the set of contacts (or "poles"), starting with 1, but these relays can be more

What does 30 85 86 87 mean on a relay?

Decode relay terminal numbers 30, 85, 86, 87 and their critical functions in industrial automation. Learn what each designation means for proper wiring and reliable system operation.

## STANDARD TERMINAL BLOCK RELAYS

Accessories Power Terminal Block The XRAPLCEK power terminal block has the same shape as the relay modules and is used to feed in the bridging potentials. The nominal current is 32 A. When the

### Transformer Protection Application Guide

Transformer Protection Application Guide This guide focuses primarily on application of protective relays for the protection of power transformers, with an emphasis on the most prevalent protection schemes

relay symbols and device numbers ieec37

2. time-delay starting or closing relay is a device that functions to give a desired amount - of time delay before or after any point of operation in a switching sequence or protective relay system, except as

### ANSI (IEEE) Protective Device Numbering

The widely used United States standard ANSI/IEEE C37.2 "Electrical Power System Device Function Numbers, Acronyms, and Contact Designations" deals with protective device

### ANSI (IEEE) Protective Device Numbering

Protective relays are commonly referred to by standard device numbers. For example, a time overcurrent relay is designated a 51 device, while an instantaneous overcurrent is a 50 device.

### Volume 7 Tab 3

The XR Series Terminal Block Relays are ideal for applications that require a high switching capacity and long electrical service life. The relays are plug-in interfaces that connect to basic terminal blocks.

### Intro to Relays #2

This article will explain the basics of the relay numbers used to design a relay's functionality.

## Contact Us

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

Website: <https://boxesgaramella-andria.it>

Email: [sales@boxesgaramella-andria.it](mailto:sales@boxesgaramella-andria.it)

Phone: +39 331 584 7291

Address: Via delle Industrie, 15, 20154 Milano, Italy

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

