

DC circuit numbering for relay protection



Overview

86T is a Lockout Relay for a Transformer. Suffixes for numbers are also suggested. 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. It includes 99 device functions numbered 1 through 99 with descriptions such as master element, time-delay starting or closing relay, AC time overcurrent relay, AC circuit breaker, exciter or DC generator. The ANSI standard device numbers (As per ANSI/IEEE standard C37. 2) are used in the design of an electrical power system. Even in those parts of the world where IEC standards are predominate, the use of ANSI numbering. 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.



Article Content

Nov 23, 2025

ANSI/IEEE Standard Device Numbers for Power ...

Reference list of ANSI/IEEE standard device numbers used in power systems protection and relaying. Includes suffixes for zone protection.

Aug 09, 2025

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.

May 17, 2026

ANSI Protective Device Numbering Guide | PDF | Relay ...

It provides a comprehensive list of the standard device numbers (such as 51 for time overcurrent relay and 50 for instantaneous overcurrent) and explains how ...

Jun 07, 2026

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 ...

Dec 21, 2025

ANSI/IEEE Standard Device Numbers for Power Systems Protection

Reference list of ANSI/IEEE standard device numbers used in power systems protection and relaying. Includes suffixes for zone protection.

Jun 26, 2026

ANSI Standard Device Numbers & Common Acronyms

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

Feb 19, 2026

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.

Dec 12, 2025

SCHEMATIC REPRESENTATION OF POWER SYSTEM ...

presentation of protection and control relaying. The report will identify methodology behind these practices, present issues raised by the integration of microprocessor relays and the ...

Dec 13, 2025

Protection Relays Numbering (ANSI) | PDF

It includes 99 device functions numbered 1 through 99 with descriptions such as master element, time-delay starting or closing relay, AC time overcurrent relay, AC circuit breaker, exciter or DC generator ...

Oct 16, 2025

Table of ANSI IEEE Standard Device Numbers

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

Jul 21, 2026

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.

Aug 15, 2025

ANSI Device Numbers and Acronyms

The ANSI standard device numbers (As per ANSI/IEEE standard C37.2) are used in the design of an electrical power system. These devices protect the electrical network in the case of a ...

Jun 13, 2026

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).

Contact Us

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