

Relay Protection Number

ANSI Standard Device Numbers & Common Acronyms

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.

Protective relays are designed by using standard device numbers to describe its functionality. Instead of verbal descriptions, we use numbers to describe the functions of a relay.

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.

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.

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 a standardized ...

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 ...

For protection engineers, a thorough understanding of this numbering system is essential for effective communication, proper relay configuration, and coordinated protection design.

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).

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.



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