A630 Relay Protection



Overview

RET630 Product Guide RET630 Product Guide - Bay control and measurement - Motor protection - Transformer protection - 2 winding - Feeder protection - Volta.

Key Takeaways

A630 typically refers to ABB's 630 series protection and control relays, such as the REF630 feeder management relay, rather than a standard ANSI device number.

Context in Relay Protection

In relay protection, ANSI/IEEE device numbers are used to identify specific protective functions, such as overcurrent (50/51), differential (87), or ground fault (51G) relays. These numbers indicate the function a relay performs, and suffixes (like G, N, T) provide additional context, such as ground or transformer application. However, "A630" is not listed as a standard ANSI device number, so it does not directly correspond to a single protective function.

AB

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B 630 Series RelaysThe designation A630 is commonly associated with ABB's 630 series of digital protection and control relays, including the REF630. These relays are comprehensive feeder management devices designed for protection, control, measurement, and supervision in utility and industrial power distribution systems. Key features include: Protection for overhead lines and cable feedersSupport for radial, looped, and meshed distribution networksIntegration of multiple protection functions in a single microprocessor-based relayFeeder bay control and monitoring capabilities The 630 series relays are multifunctional, meaning a single device can perform several protective functions simultaneously, such as overcurrent, earth fault, and directional protection, which historically would have required multiple separate relays.

SummaryANSI device numbers define specific relay functions, but "A630" is not an ANSI standard number. A630 refers to ABB's 630 series relays, like the REF630, which are multifunctional feeder protection and control devices. These relays are widely used in industrial and utility power distribution systems for comprehensive protection, control, and monitoring.

In practice, when someone mentions A630 in relay protection, they are usually referring to the ABB 630 series relay platform rather than a single ANSI-defined protective function.

Article Content

RET630 Product Guide

RET630 Product Guide - Bay control and measurement - Motor protection - Transformer protection - 2 winding - Feeder protection - Voltage regulation - Busbar protection (voltage and frequency) -

Transformer protection and control RET630 IEC

RET630 is a comprehensive transformer management relay for the protection, control, measurement and supervision of power transformers, including step-up transformers, and power generator

REG630 Application Manual

REG630 Application Manual - Bay control and measurement - Motor protection - Transformer protection - 2 winding - Feeder protection - Voltage regulation - Busbar protection (voltage and frequency) -

Generator protection and control REG630 IEC

REG630 is a comprehensive generator management relay for the protection, control, measurement and supervision of small and medium sized power generators and generator-transformer units in utility

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NZMN3-AE630 | Eaton Series NZM complete molded

Eaton Series NZM complete molded case circuit breaker, NZM3-frame, NZMN3, Thermal-magnetic trip, 1260-5040A delayed, Three-pole, 630A, 690 Vac, 50

ABB RELION 630 SERIES RET630 PRODUCT

The RET630 with preconfiguration A is used for protection and control of the power transformer, the REF630 with preconfiguration B protects and controls the

A630 Xeltek Inc. | DigiKey

Order Xeltek Inc. A630 (A630-ND) at DigiKey. Check stock and pricing, view product specifications, and order online.

A63-30-11 230-240V 50Hz / 240

690 V AC / 1000 V AC or 220 V DC. The contactors can also be used . Air Temperature . vironmental . Block Contactor.

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 and transformers.

Product Guide REM630 Motor Protection and Control

1. Description REM630 is a comprehensive motor management relay for protection, control, measuring and supervision of medium and large synchronous and asynchronous motors in medium voltage

Application Manual REF630 Feeder Protection and Control

r protection and interlocking-based protection schemes. The protection relay meets the GOOSE performance requirements for tripping applications in distrib tion substations, as defined by the IEC

Protection relays — ABB Group

ABB''s smart protection technology ensures smooth and safe everyday life without blackouts. ABB released its first programmable relays based on the use of microprocessors in 1985. ABB''s Relion®

Application Manual REG630 Generator Protection and Control

Intended audience This manual addresses the protection and control engineer responsible for planning, pre-engineering and engineering. The protection and control engineer must be experienced in

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Relion® 630 series Protection and control relay

The 630 series covers protection and control relays designed for feeder, motor, transformer and generator management in utility, industrial, and transport and infrastructure applications.

630 series Installation Manual

630 series Installation Manual - Bay control and measurement - Motor protection - Transformer protection - 2 winding - Feeder protection - Voltage regulation - Busbar protection (voltage and

User Manuals: ABB REM630 Motor Protection Relay

Abb REM630 Motor Protection Relay Pdf User Manuals. View online or download Abb REM630 Motor Protection Relay Product Manual

Protection Basics

Name two protective devices For what purpose is IEEE device 52 is used? Why are seal-in and 52a contacts used in the dc control scheme? In a typical feeder OC protection scheme, what

Introduction to Protective Relaying | Electric Power Measurement and ...

Introduction to Protective Relaying What are Protective Relays, or Protection Relays? Protective relays are used in industrial power generation and supply systems to open and isolate branch circuits in the

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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