Voltage Protection and Control Relay

REU615

**Description:**

The voltage protection and control relay REU615 is available in two standard configurations, denoted A and B. Configuration A is preadapted for voltage and frequency-based protection schemes in utility and industrial power systems and distribution systems including networks with distributed power generation. The B configuration is designed for automatic voltage regulation of power transformers equipped with an on-load tap changer. Both configurations also feature additional CB control, measuring and supervising functions. REU615 is a member of ABB’s Relion ® product family and part of its 615 protection and control product series. The 615 series relays are characterized by their compactness and withdrawable-unit design.

Re-engineered from the ground up, the 615 series has been designed to unleash the full potential of the IEC 61850 standard for communication and interoperability between substation automation devices.

**Product benefits:**

* Exclusively designed for automatic and manual voltage regulation, or alternatively for busbar under voltage and overvoltage supervision, load shedding and restoration
* Ready-made standard configurations for fast and easy setup with tailoring capabilities
* Withdrawable plug-in unit for swift installation and testing
* Large graphical display showing customizable SLDs, accessible either locally or through an easy-to-use web-browser-based HMI
* Extensive life-cycle services

**Product features:**

* Extensive range of protection and control functionality for busbar voltage supervision, load shedding and restoration, including over frequency and under frequency protection for power generators and other AC equipment
* Automatic voltage regulation of power transformers with a motor-driven on-load tap changer
* Optional arc protection and high-speed outputs (not with automatic voltage regulator)
* Supports IEC 61850 Editions 1 and 2, including HSR and PRP, GOOSE messaging and IEC 61850-9-2 LE for less wiring and supervised communication
* IEEE 1588 V2 for high-accuracy time synchronization and maximum benefit of substation-level Ethernet communication
* Supports Modbus, DNP3 and IEC 60870-5-103 communication protocols