Capacitor bank Protection and Control Relay

REV615

**Description:**

REV615 is a dedicated capacitor bank relay designed for the protection, control, measurement and supervision of capacitor banks used for compensation of reactive power in utility substations and industrial power systems. REV615 can also be used for protection of harmonic filter circuits, if the highest significant harmonic component is the 11th. REV615 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:**

* Ready-made standard configurations for fast and easy setup with tailoring capabilities
* Withdrawable plug-in unit design for swift installation and testing
* Large graphical display for showing customizable SLDs, accessible either locally or through an easy-to-use web-browser-based HMI
* Extensive life-cycle services

**Product features:**

* Capacitor bank overload and unbalance protection, non-directional overcurrent and directional earth-fault protection, voltage- and frequency-based protection and measurement functionality
* Current-based unbalance protection with compensation for natural unbalance as well as current-based switching resonance protection for capacitor banks
* Optional arc protection and high-speed outputs
* 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