Motor protection and control Relay

REM615

**Description:**

REM615 is a dedicated motor protection and control relay designed for the protection, control, measurement and supervision of asynchronous motors in manufacturing and process industry. REM615 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:**

* Compact and versatile solution for utility and industrial power distribution systems with integration of protection, control, monitoring and supervision in one relay
* Motor protection with motor start-up and loss of load supervision as well as thermal overload, motor load jam and phase-reversal protection, either with sensors or conventional instrument transformers
* 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 showing customizable SLDs, accessible either locally or through an easy-to-use web-browser-based HMI
* Extensive life-cycle services

**Product features:**

* Motor protection with voltage- and frequency-based protection and measurement functionality
* Motor protection both during motor start-up and normal run, with protection and fault clearance in abnormal situations as well
* 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