



AUGUST 2025

NEWSLETTER

A spark with **ABB**



This month, we're proud to highlight our valued partner, ABB, a global leader in power and automation technologies. With their commitment to innovation and quality, ABB consistently delivers cutting-edge solutions that meet the evolving needs of the electrical industry.



FEEDER PROTECTION REF 615 IEC

We're excited to feature some of ABB's premier products, including their MV Vacuum Circuit Breakers and advanced Protective Relays. These products represent the pinnacle of medium voltage technology, offering unparalleled safety, reliability, and performance.

AUGUST POWER PLAY

PRODUCT SPOTLIGHT: MEDIUM VOLTAGE VACUUM CIRCUIT BREAKERS

ABB VD4 40.5KV CIRCUIT BREAKER WITH POWERBLOCK CRADLE

The **ABB VD4 40.5kV** vacuum circuit breaker is a powerhouse designed for **primary distribution in industrial and utility applications**. Engineered to withstand the most demanding conditions, it provides **exceptional breaking capacity and a long operational life**.

Key Features:

- **High Voltage Rating:** Capable of handling up to 40.5kV, making it ideal for high-power distribution networks.
- **Vacuum Interrupter Technology:** Ensures minimal maintenance and a long service life, as the vacuum-sealed interrupters prevent contact wear and arc erosion.
- **Powerblock Cradle:** This innovative cradle simplifies installation and maintenance, allowing for quick and secure withdrawal and insertion of the breaker.



ABB VD4 17.5KV CIRCUIT BREAKER WITH PB/F CRADLE

The **ABB VD4 17.5kV** circuit breaker is a **versatile solution** for a wide range of **medium voltage applications**. It combines a **compact design with robust performance**, making it a **perfect fit for both new installations and retrofits**.

Key Features:

- **Compact Design:** The space-saving design is ideal for switchgear panels where space is a premium.
- **Exceptional Performance:** Delivers reliable short-circuit interruption and switching performance, ensuring the protection of critical assets.
- **PB/F Cradle:** The fixed PB/F cradle provides a secure and stable mounting platform for the breaker, offering a simple yet robust solution for applications where the breaker is not frequently withdrawn.



PRODUCT SPOTLIGHT:

PROTECTION AND CONTROL RELAYS

Numerical relays are based on the use of microprocessors.

A big difference between conventional electromechanical and static relays is how the relays are wired.

Electromechanical and static relays have fixed wiring and the setting is manual. Numeric relays, on the other hand, are programmable relays where the characteristics and behavior can be programmed.

Most numerical relays are also multifunctional.



REX 615



REX 610



FEEDER TERMINAL REF 541



FEEDER PROTECTION REF 601



FEEDER PROTECTION REF 615 IEC



FEEDER PROTECTION REF 611

Scope

- Modern protection relays
- Multifunctional protection

Product benefits

- Provide continuity of power to consumers
- Protection of network assets
- Protection against life-threatening electrical incidents

Product features

- Self-checking facility
- Low burden relays improve accuracy
- Fast fiber optical communication with substation LAN
- Adaptive relaying schemes
- Permit storage of historical data
- Time stamping