

Eagle

Self-powered single-phase recloser for up to 27 kV



The Eagle self-powered, single-phase vacuum-interrupting recloser helps improve reliability indices for utilities by eliminating many sustained and momentary customer outages. It also helps lower operational costs by reducing the number of truck rolls.



Arc free design

The Eagle recloser is designed so there is no arcing during installation, closing or opening. The recloser stays connected in the mount even after it reaches the lockout state. Arc-free closing onto load can be achieved by first connecting the recloser in the mount and then closing the vacuum interrupter with the main operating handle.



Self-powered, no batteries required

The Eagle has an operating handle capable of mechanically closing the vacuum interrupter without relying on a backup battery source. With a battery-free design, there is no maintenance requirement or any special need for custom kits, hardware, hotstick attachments, battery stocking, or battery replacement linemen training.



Improve grid reliability

The Eagle recloser improves reliability metrics (SAIDI, SAIFI, MAIFI) by expanding reclosing to single-phase laterals, minimizing customer outages and helping utilities stay within the limits set by energy regulators.

Ratings

- Up to 27 kV
- 125 kV BIL
- 200 A continuous current
- 8 kA interrupting current
- 3 reclosing shots
- 10,000 operations

Highlights

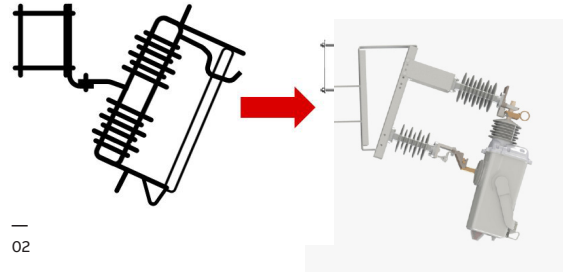
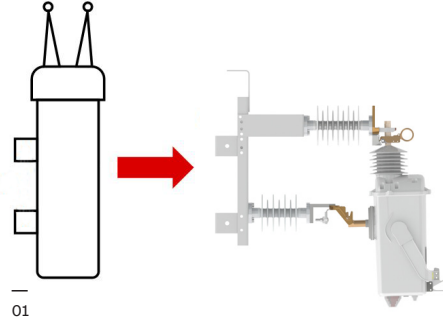
- Self-powered
- No battery required – no maintenance
- Manual open/close operation
- Arc-free design helps improve personnel safety
- Built-in electronics for control, protection and communication
- Encrypted wireless communication for local operation and data retrieval
- Flexible mounting options allow for easy installation
- Simple, platform-independent, web browser-based HMI
- Key components made by ABB, leveraging decades of design and manufacturing experience

- 01 Hydraulic recloser replacement
- 02 Cutout style fuse replacement
- 03 Eagle RER605: Web HMI interface - Dashboard

Easy installation

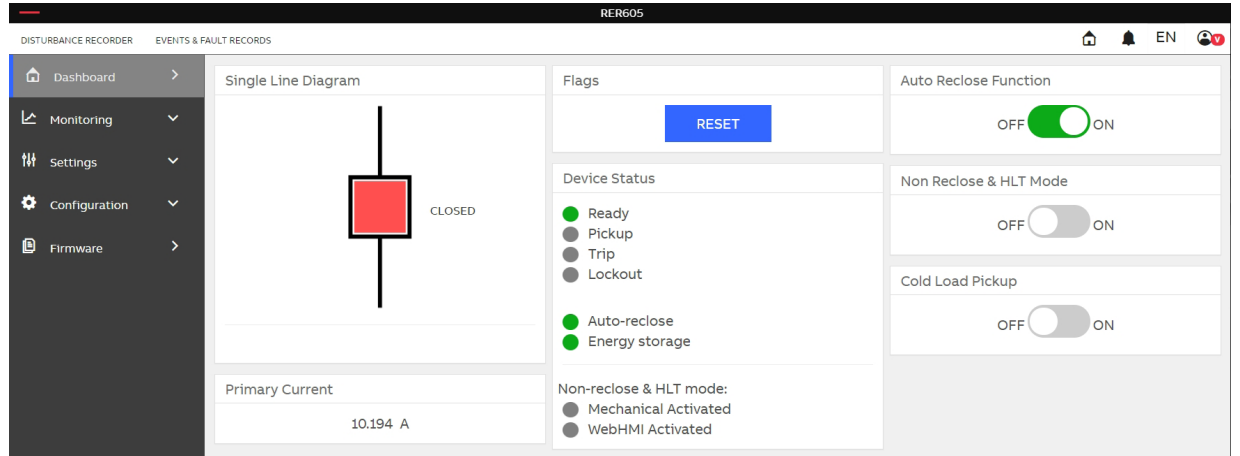
Easily add new or replace existing hydraulic single-phase reclosers or fuses by using the Eagle recloser's flexible mounting options.

Technical specifications	
Nominal operating voltages	Up to 27 kV
Rated max. voltage	27 kV
Rated power frequency	60 Hz
Rated continuous current	200 A
Rated interrupting current	8 kA SYM
Rated lightning impulse BIL withstand	125 kV
Recloser unit weight	20 kg (44 lb)
Rated operating duty	Min O 0.2 s CO 2 s CO 2 s CO lockout Max O 5 s CO 5 s CO 20 s CO lockout
Operating temperature	-25 °C to +60 °C
Standards compliance	IEEE C37.60/IEC 62271-111 Single-Phase Recloser Classification



Eagle RER605 - Web interface features:

- Accessible wirelessly through computer or any hand-held device (tablet or mobile) without any special dongles or proprietary connections
- Wide range of pre-programmed ANSI/IEEE, fuse, recloser curves, and any custom TCC curve
- Role-based user access with security log
- Events, fault records, disturbance records, and load profile records are downloadable on any connected device
- Cold load pickup protection and transformer inrush inhibit (2nd harmonic) feature available for each curve
- Self supervision - operation counter, diagnostics, and wear monitoring



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