

**SIEMENS***Ingenuity for life*

The new class of single phase auto-recloser

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**Intelligent.
Compact.
Self-powered
by Voltage.**

By eliminating regular maintenance and utilising line voltage as power supply, the new modular auto-recloser addresses common problems of obsolete hydraulic reclosers. The compact recloser is fully rated for voltage systems up to 27kV and features a complete insulated housing that covers all live parts. The lightweight device permits easy installation and fast commissioning, plus the ability for wireless firmware and configuration updates.

Key Features

Fully integrated self-powered system:

- Power supply using line voltage
- Rechargeable battery for back-up power
- Magnetic actuated vacuum interrupter
- Integrated protection relay and controller
- Flexible mounting options

Intelligent

- Wireless connectivity
- GPS time reference
- SCADA capability (future)
- Voltage and current measurement
- Fault passage indication (FPI)
- Comprehensive event log
- Full range of TCC curves

Compact

- Light weight (20kg excl. bracket)
- Simple and quick to install

Reliable and maintenance free

The new auto-recloser is suitable for all sites, even those with inconsistent or no line current. Featuring fully configurable protection and four operations in a sequence, the unit presents the ideal solution for sectioning faults on long rural distribution lines.

The system design facilitates an uninterrupted operation for most efficient service. Unlike hydraulic reclosers, the auto-recloser has no need of periodic inspection and maintenance.



Contact us via fusesaver.au@siemens.com to receive more information.

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Compact Recloser Ratings

Type tested according to IEC 62271-111 / IEEE C37.60

| Rating Description | Model ^(a) | | | |
|---------------------------------------|----------------------|----|------|-----|
| Rated maximum voltage | kV | 12 | 17.5 | 27 |
| Rated power frequency withstand – dry | kV | 28 | 50 | 60 |
| Rated impulse withstand voltage | kV | 95 | 110 | 125 |

| Switch Unit Parameters | Rating |
|--|-----------------------------------|
| Rated frequency | Hz |
| Rated continuous current | A |
| Rated short time withstand current | kA |
| Rated peak withstand current | kA |
| Rated duration of short circuit | s |
| Rated symmetrical interrupting current | kA |
| Rated symmetrical fault making current | kA |
| Rated operating sequence | O – 0.3s – CO – 2s – CO – 2s – CO |
| Clearing time | ms |
| Rated line charging interrupting current | A |
| Rated cable charging interrupting current | A |
| Minimum number of operations at rated short circuit current | |
| Minimum number of load break operations at rated current/mechanical operations | |
| IP rating | |

| Service Environment | Rating |
|-----------------------------|-----------------------|
| Operating temperature range | -40 to +55 degC |
| Humidity | 0 to 100% |
| Maximum altitude | 4,000m ^(b) |
| Pollution class | Very Heavy |

(a) Correct model must be selected for the applicable system voltage (27kV model cannot be used on a 12kV network).

(b) Derating required above 1,000m.

