



First Philec
GAWANG PILIPINO

www.firstphilec.com

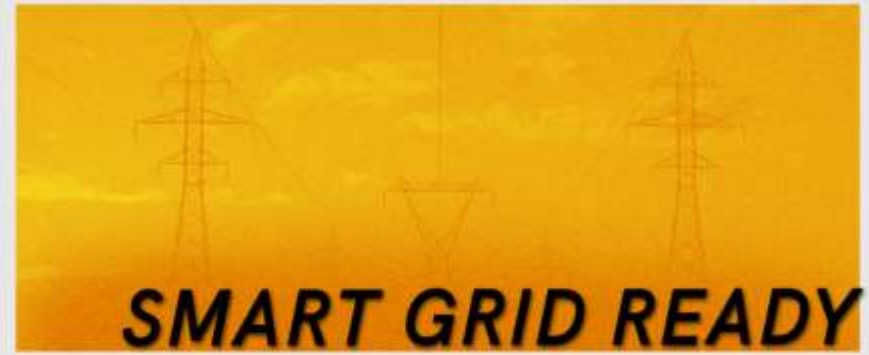


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Solid Di-Electric Vacuum Automatic Recloser



- Applications
- Introduction
- Features





First Philec Three Phase Solid Di-electric Recloser is a maintenance-free product designed for using on overhead lines as well as substation application for all voltage up to 15.5kV, 27kV and 38kV.

Main mechanism of solid recloser is magnetic actuator, and bushing material is made of HCEP (Hydrophobic Cycloaliphatic Epoxy Resin). It is fully encapsulated with vacuum interrupters. Recloser is protected with Stainless-Steel Material Enclosure and able to be used where tropical, moderate and severe humidity area with corrosion resistance.

First Philec Recloser have been fully type-tested at a 3rd party internationally recognized laboratory according to International Standard ANSI 37.60 and IEEE 62271-111.

REDUCED INSTALLATION COSTS

- Simple commissioning: configuration of the unit is from the software or the Operator Interface (O.I.).
- All key components required for installation are included.
- Pole-mounting brackets are provided in the standard package.

REDUCED OPERATING COSTS

- Reduce equipment damage: the integral protection relay provides fast isolation of faults.
- The recloser constantly monitors line current and voltage without the need for additional measurement devices. This data can then be used for forward planning and optimization of existing feeders.
- Long lifetime, low maintenance equipment reduces lifetime cost.



DSA/SCADA COMPATABILITY

- Reduced travel time for line crews: information on fault current and recloser status values transmitted to system control allows fast location of the faulted line section.
- This same information allows informed remote switching, reducing the affected area and quickly restoring supply.
- Reclosers can be configured and settings managed from system control, without technicians having to visit each individual recloser in the field, with a consequent reduction in travelling time and improved system integrity.

INCREASED CUSTOMER SATISFACTION

Reduced customer minutes lost supply can be quickly restored to fault-free areas.

DEFERRED CAPITAL WORKS

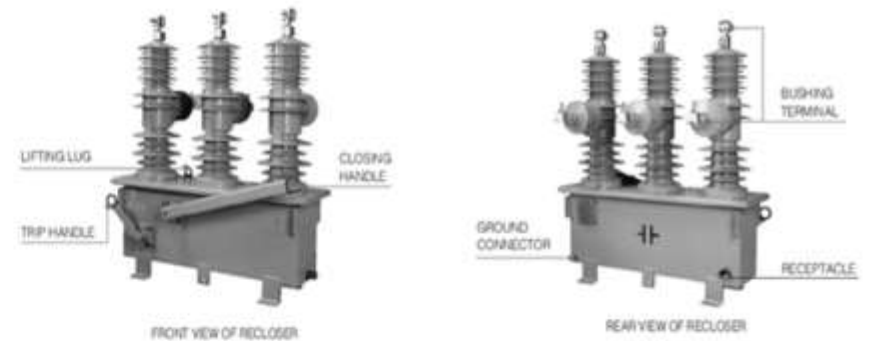
Remotely controlled and monitored reclosers give an improved knowledge of a system and provide better system control. Feeder and substation load can then be remotely managed, improving utilization of existing line.





FEATURES

First Philec



HYDROPHOBIC CYCLOALIPHATIC EPOXY

- Advanced Outdoor Solid Dielectric Material
- Proven Performance in heavily polluted area
- Environment-Friendly, Oil/SF6 Gas Free
- Reliable and Enhanced Life Expectancy
- Superior Surface Arc Tracking Resistance
- UV Protection, Resistant to Vandalism
- Complied with ANSI/IEC standard requirement for contamination Requirements for creepage / leakage distance

MAGNETIC ACTUATOR

- Guarantee 10,000 operation time
- Minimized moving components and reliable maintenance free
- Reduced Installation and Operating Cost

OTHER TECHNICAL FEATURES

- RVD (Resistive Voltage Divider)
- Manual Trip Operation Available
- In case of loss of control power, over hundreds of open/close operations with fully charged battery