



Medium-voltage vacuum replacement generator circuit breakers

Custom engineered turnkey solutions

Siemens replacement generator circuit breakers provide a cost-effective way to upgrade aging gas circuit breakers to vacuum technology while minimizing downtime and preserving the investment in your existing gear. Our custom engineered replacement circuit breakers eliminate the need for cubicle modifications, costly bus and switchgear modifications, as well as additional infrastructure modifications generally required with replacing a system with all new gear.

Add functionality while increasing reliability and safety

The smaller footprint of the Siemens vacuum replacement generator circuit breaker along with the versatility of the Siemens 3AH operator provides us the ability to incorporate new features and functionality into replacement solutions, such as visible disconnects, on frame surge arrestors, and individual breaker isolation. All of

this can be achieved while providing the reliability of vacuum switching technology and increasing the operational and personnel safety of the gear.

Siemens custom engineered turnkey solutions

- Siemens replacement circuit breakers are custom designed to fit existing gear with little to no modifications.
- Custom wiring schemes seamlessly integrate replacement circuit breakers into existing controls.
- Plug and play nature of the replacement allows continued use of existing peripherals and accessories.
- Siemens factory trained field service engineers handle installation and initial testing of new vacuum circuit breaker.

Easy 3-step process:

Site visit

A Siemens engineer will visit your site and gather the required information about the breaker that is being replaced, including:

- Rating information (nameplate)
- Elevation drawings
- Cubicle details

Custom engineering

Using this information Siemens will custom engineer a vacuum replacement solution designed to directly replace the existing circuit breaker.

Installation

Siemens field service engineers will remove the existing equipment and install the new vacuum generator circuit breaker, allowing service to resume with minimal downtime.



Figure 1. Visual progression of the replacement process, beginning with the existing SF₆ circuit breaker that is to be replaced and ending with the custom engineered Siemens vacuum replacement solution, installed directly into the existing gear requiring no modifications.

Siemens Industry, Inc.

7000 Siemens Road
Wendell, NC 27591

For more information, please contact
our Customer Support Center.
Phone: 1-800-333-7421

usa.siemens.com

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