

Molded-Case Circuit Breakers

The Westinghouse Solution

Westinghouse provides molded-case circuit breakers that are configured to meet plant-specific specifications, lessons learned from recent experience and an **improved pricing model**. Westinghouse MCCBs provide traditional thermal and/or magnetic overload protection, in addition to electronic trip units that provide an enhanced degree of coordination and reliability for both Class 1E safety-related and non-safety applications.

Westinghouse molded-case circuit breakers are designed for use in systems up to 600 VAC and 250 VDC with continuous current ranges from 10 Amps to 800 Amps. Special ratings are available upon request. Applications include enclosed panels, motor control centers, and distribution centers.

Customer Benefits

Westinghouse maintains the qualifications for all MCCBs through dedication, testing, and review of design changes and industry operating experience.

- Seismic sensitivity is addressed through design change reviews and periodic seismic testing performed at Westinghouse's in-house seismic test lab.
- Westinghouse provides MCCBs for harsh environmental conditions that undergo thermal/radiation aging, HELB/LOCA, and electro-magnetic compatibility qualification testing at a Westinghouse facility per IEEE 323-1974.
- Westinghouse MCCBs are manufactured and tested to Westinghouse specifications.



Deliverables

- Westinghouse customers receive performance data in the form of a test report with each breaker. Safety-Related breakers include an Equipment Qualification Data Sheet (EQDS) that summarizes the seismic and environmental criteria to which the breaker has been qualified.
- The latest version of the Time Current Curve can be provided upon request.
- Westinghouse can provide replacement plans that coordinate with outage schedules, reducing plant inventory and the overall cost of a replacement plan.



<https://info.westinghousenuclear.com/westinghouse-parts-business>

Westinghouse Electric Company
1000 Westinghouse Drive
New Stanton, PA 15672
www.westinghousenuclear.com

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Westinghouse Parts Business

Why Westinghouse

Westinghouse technology is fundamental to nearly 50% of the world's nuclear reactors. Now, that same trusted expertise is delivering the services and parts to meet the needs of 100% of the **nuclear plants across the globe**.

Experience

Westinghouse has over 40 years of experience in design, test, and construction of molded-case circuit breakers and has successfully delivered replacement molded-case breakers to both PWR and BWR nuclear power plants. Westinghouse replacement breakers are tested through our rigorous 10 CFR 50 Appendix B quality assurance program.

Design, construction, and completion of the next generation of Westinghouse PWRs has provided a unique opportunity to test and qualify an additional range of molded case breaker solutions.

Westinghouse has developed and qualified electronic trip technology for the AP1000® units that can be applied to existing plants.

Electronic trip units have an enhanced degree of coordination and selectivity over traditional trip units, and do not have the same susceptibility to trip points changing over time.

The selection has been qualified for use in Class 1-E safety-related applications to IEEE-1021-2004 and IEEE 7-4.3.2-2010.

Electronic trip units are unaffected by temperatures changes and can be used to replace obsolete ambient compensating units.

From small to large

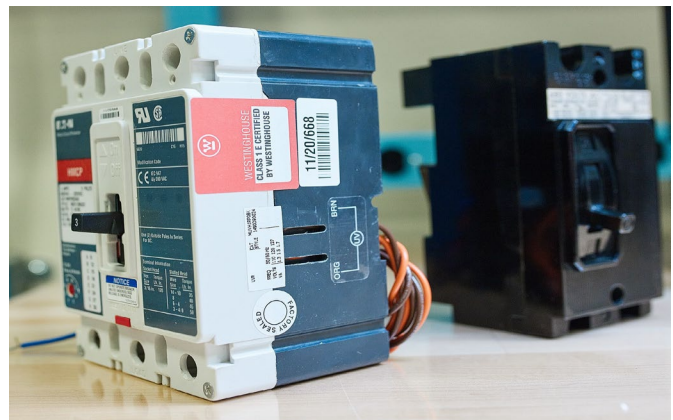
Whether your project involves new construction or existing equipment, for a nuclear plant or a government facility, Westinghouse provides high-quality, nuclear-qualified solutions and products that meet the original design and qualification of your plant.

Global to local

Our cost-effective, high-quality, nuclear-grade replacement parts provide global operators of various reactor designs with solutions for electrical, mechanical, and instrumentation & control systems.

From Westinghouse's proprietary innovations to designs around the world

Westinghouse has a rigorous commercial-grade dedication process and a robust quality assurance program for detecting and monitoring counterfeit, fraudulent and suspect replacement parts and components. And our industry-leading experts are available 24/7 to support your plant needs.



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