

Motor Control Center Bucket: Total Solution Support

Background

With decades of design and qualification experience, Westinghouse has developed the latest innovations in Motor Control Center (MCC) buckets while addressing obsolescence challenges for existing MCC buckets.

Many components used in legacy MCC buckets are no longer available and Westinghouse has proactively managed these obsolescence issues to mitigate the risk of operational challenges due to key component lack of availability.

Westinghouse provides total solution options for MCC support including complete bucket or individual component replacement and refurbishment service to restore aging MCC buckets to "like new" condition. In addition, Westinghouse offers complete inventory management for MCC parts to ensure availability of key components.

Description

Westinghouse designs and qualifies MCC bucket replacements to meet the original qualification basis in mild or harsh environments. The industry-leader in resolving obsolescence challenges, Westinghouse is able to retrofit numerous non-original Westinghouse designs as well as reverse engineer MCC designs no longer available. As the original equipment manufacturer (OEM), Westinghouse continues to supply 5 Star and Type W Series motor control center replacement buckets as the only supplier with the ability to build MCC buckets identical to the original Westinghouse environmental qualification.



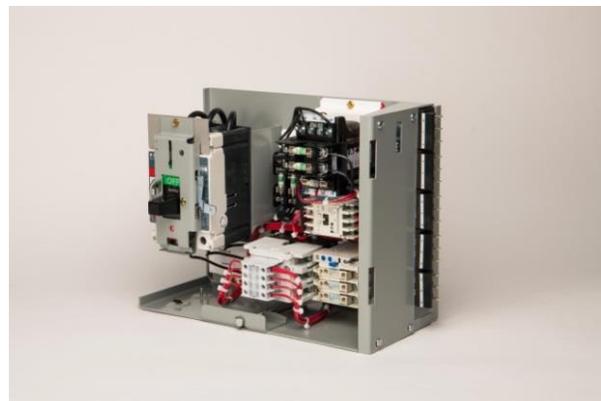
Westinghouse has MCC replacement buckets that support many existing designs

Benefits

Drop-in replacement MCC buckets require minimal site engineering time for installation, as well as reduced maintenance costs.

To reduce installation time, Westinghouse has the ability to:

- Set breakers and overload relays specific to your plant's requirements.
- Provide terminal block numbering and labeling specific to your plant's requirements.
- Offer field advisory support during installation.
- Provide pre-wired and labeled field wiring harnesses for auxiliary connections.
- Offer witness testing to eliminate the need for onsite duplicate testing.



MCC replacement bucket suitable for GE7700

Components undergo seismic, environmental and electro-magnetic compatibility qualification testing at the Westinghouse manufacturing facility in order to ensure that parts will perform their intended function.

Deliverables

Westinghouse customers will receive a like-for-like MCC bucket with performance and test data as well as a bill of material, wiring diagram and technical manual. Test and performance data include a certified factory acceptance test report and qualification data package.

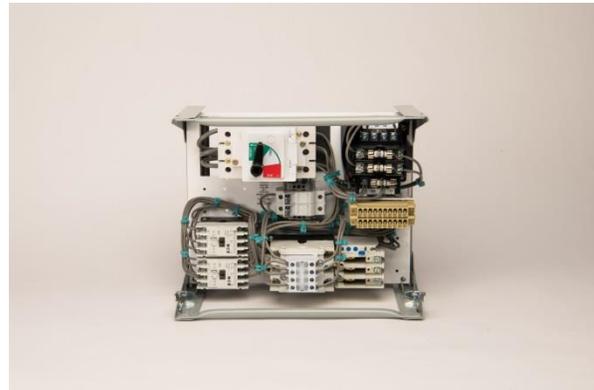
Experience

Westinghouse MCC replacement buckets are manufactured and tested through a rigorous 10CFR 50 Appendix B quality assurance program.

- Westinghouse partners with the largest breaker manufacturer in the world to ensure good quality supply of parts and service.
- Westinghouse can manage site MCC Bucket spare part inventories to ensure critical items are available and appropriately qualified.
- Westinghouse has successfully delivered replacement buckets for both PWR and BWR nuclear power plants.
- Westinghouse is the OEM and current supplier for industry-standard 5 Star and Type W Series motor control centers.
- Westinghouse performs dedication testing for every component within each MCC bucket.
- Exclusive access to original design drawings allows for quick and accurate response to any application issues that might arise.
- Westinghouse MCC replacement bucket enhancements and upgrades have developed more than 40 years of operating experience as an original equipment manufacturer.
- Westinghouse engineers and technicians have more than 50 years of experience in providing electrical equipment for safety-related applications in the nuclear industry.



MCC replacement bucket suitable for ITE 5600



MCC replacement bucket suitable for Klockner Moeller Series 170