

DB Cell-checking Device

Background

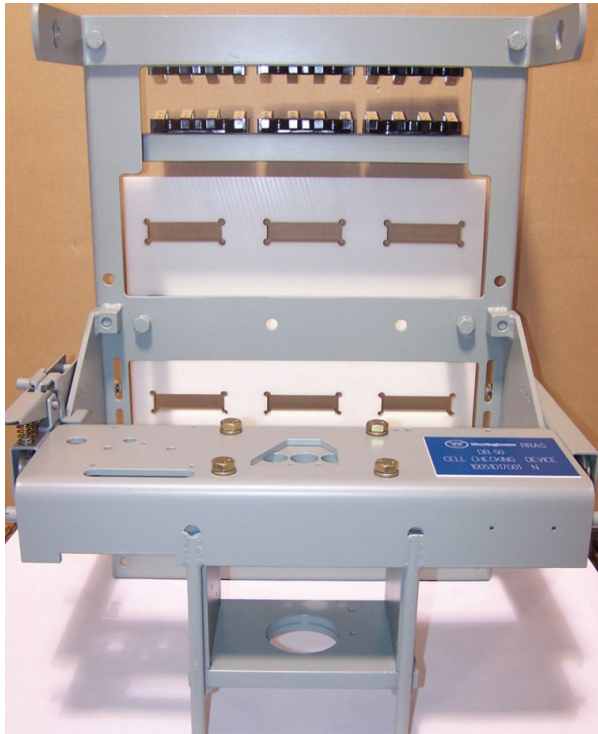
Westinghouse has provided DB circuit breakers to many nuclear plants, and has provided breaker support and maintenance. Less maintenance has been performed on plant switchgear, however, and over time cell degradation can occur.

Description

Westinghouse has designed the DB cell-checking device to help provide proper breaker-to-cell component engagement, main and secondary contact alignment, and breaker-to-cell rail interface of Class 1E nuclear safety-related and non-Class 1E circuit breakers.

Benefits

Use of the new cell-checking device quickly provides evidence of whether the cell structure needs maintenance or possible parts replacement.



DB-50 cell checking device



DB-50 cell checking device installed in cell

Experience

- Westinghouse has provided cell structure replacement parts as listed in DB Air Circuit Breaker and Cell Parts Listing.
- Westinghouse, with its extensive nuclear power experience and access to the original Westinghouse nuclear plant design documents, has built new DB circuit breakers for several power plant operations.
- Westinghouse retains the exclusive rights to the original design and qualification documentation associated with Westinghouse-designed plants.