

Services note

Control operating costs using reconditioning/refurbishment services on Low Voltage Circuit Breakers



ABB's reconditioning/refurbishing services help control and minimize operating costs associated with ABB circuit breakers.

Reconditioning in an authorized ABB service workshop contribute to higher reliability of the installed plant which in turn helps maintain high productivity.

The importance of maintenance

Although designed with a life expectancy in excess of 20 years, ABB circuit breakers, like all other industrial products with electromechanical components, can be susceptible to failure over time. The ordinary aging process begins with the commissioning of the circuit-breaker. However, the service age of the circuit breaker is not the only parameter to define the aging of the device. Environment and use are other important factors which can speed up the aging of the device. Maintenance is particularly recommended where the environmental and utilization conditions cause both mechanical and electrical overstressing of the circuit-breaker.

Reconditioning – giving circuit breakers a new life

While, within preventive maintenance, component maintenance can be carried out on-site, ABB offers reconditioning of ABB circuit breakers to their original factory condition. This should be considered in case of major damage or in demanding environmental conditions when major components need replacing according to the maintenance schedule.

The ABB circuit breaker reconditioning service is carried out at an authorized ABB service workshop within a clean environment and with suitable testing facilities. The service includes a full inspection, thorough cleaning and the analysis of individual components, as well as part replacements according to a product specific maintenance schedule. The reconditioned circuit breaker is then fully tested.

With on-site preventive maintenance, only the replaced parts come with a warranty whereas with reconditioning the entire ABB circuit breaker carries a warranty.

Summary

The advantages and benefits of reconditioning services include:

Advantage	Benefit
Use of genuine service parts	Increased reliability leading to longer component lifetime
Timely part replacements in accordance with maintenance schedule	Increased reliability leading to reduced inverter and power plant operational lifetime costs
Economical kit pricing compared to individual part price	Lower operational lifetime costs
Maintenance schedules help long term maintenance budget planning	Schedules help define whether to continue maintenance or to upgrade, retrofit or replace a inverter
Updating to the latest hardware and software version	Ensures optimum product performance
Work performed in clean service workshop environment, protected working conditions and comprehensive testing arrangements to maximize the reconditioning quality.	Product returned to its original condition and delivered with one year warranty in case reconditioning is carried out during post warranty time.