ABB SERVICE HIGH VOLTAGE PRODUCTS

Retrofit solution for air-insulated switchgear
ELF SP with operating mechanism type HMB

The operating mechanism AHMA is one of the key components to ensure a high availability and reliability of the circuit breaker ELF SP. Due to this it is ABB’s interest to develop new service solutions to keep the equipment under the best condition. A retrofit solution for existing operating mechanism AHMA is a reliable and economic option to extend circuit breaker’s ELF SP lifetime.

Reasons for retrofit
After 20 – 25 years in service most of the existing operating mechanism are obsolete. Outdated technologies increase the risk of failure and the necessary maintenance services. In case of unplanned outages spare part availability is not guaranteed anymore, which reduces the reliability of circuit breakers.

Advantages of retrofit solution with operating mechanism type HMB
To replace existing operating mechanism with a new generation of operating mechanism type HMB is not just a technical benefit. Reducing the oil level to a minimum fulfill modern environmental standards.

Additionally the actual manufactured HMB-mechanisms guarantee the availability of spare parts over the next ~20 years. Comparing the costs for retrofit solution over the complete life cycle, the investment becomes very attractive due to reduced maintenance costs in future.

Your benefits at a glance
• Spare parts availability in future
• Reduced life cycle costs
• Life time extension up to another ~25 years
• Increased reliability and availability of equipment
• Technical improvements
• Component meets safety and environmental standards
• Previous maintenance costs are too high due to outdated

Applicable for most of the following types of ELF:
• Circuit breaker ELF SP 3-1/4-1 with AHMA-4
• Circuit breaker ELF SP 8-1 with AHMA-4
• Circuit breaker ELF SP 4-2/5-2/6-2/7-2 with AHMA-8
• Circuit breaker ELF SP 7-4/8-4 with AHMA-8