

# Low and Medium Voltage Service

## Low voltage replacement breakers

### Frequently asked questions

Why remove a vintage low voltage power circuit breaker and install a roll-in replacement?



#### Safety

Older power circuit breakers from various manufacturers often contain asbestos arc chutes and are now an environmental liability and safety issue with maintenance personnel.

#### Parts

Original manufacturer's replacement parts for vintage circuit breakers may no longer be available. The used equipment market may no longer be able to supply dependable parts. Purchasing used parts may be buying another person's problem.

#### Application change

Power circuit breakers are being asked to do more than ever before. Some have been pressed into service for motor starting duty and other repetitive operational requirements. Others are operated beyond the rating limits of the original designs.

#### Minimum feeder outage

With roll-in replacement circuit breakers, a feeder outage is reduced to the time it takes to remove the existing breaker from the cell and rack in the replacement breaker. No need for a complete bus outage.

#### Lower operating cost

Older circuit breakers require continual maintenance and repetitive refurbishing in order to preserve reliability and avoid unexpected downtime. ABB low voltage replacement breakers are virtually maintenance-free, provide enhanced performance and reliability, and offer a cost effective option to complete switchgear replacement.

#### Microprocessors

Today's technology can provide event marking and data storage, communication with SCADA and DCS systems, self-diagnostics, measurements and more. Maintenance personnel can interrogate the circuit breaker locally or remotely to determine contact wear, peak load, etc.

For more information about ABB services, please contact your sales representative or call one of the numbers listed below:

**ABB Inc.**

**Low and Medium Voltage Service**

Florence, South Carolina

Phone: +1 800 HELP 365 (option 7) or +1 407 732 2000

[www.abb.us/mvservice](http://www.abb.us/mvservice)

**Note:**

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB does not accept any responsibility whatsoever for potential errors or possible lack of information in this document. We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction – in whole or in parts – is forbidden without ABB's prior written consent.

Copyright 2009 ABB.

All rights reserved.