Up-rate Packages for Westinghouse Dead Tank Circuit Breakers 138 and 230 kV Type SF, 50 kA or 63 kA Interrupting Symmetrical

Application
Up-rating older Type SF gas-insulated circuit breakers can increase their interrupting capability to 50 or 63 kA symmetrical. The improved performance of modified breakers has been verified by extensive high power interrupting tests in accordance with ANSI standards.

The up-rate kit is applicable to the 1380 SF 10000, 2300 SF 15000 and 2300 SF 20000 horizontal tank SF₆ breakers.

Description
The up-rate incorporates the latest technology to increase interrupting capability and includes modifying the interrupter and increasing the SF₆ high pressure system operating pressure.

Each up-rate kit is individually designed and tailored to the particular shop order. All necessary items are supplied, including interrupter parts, fittings, gaskets, temperature-compensated pressure switches, hardware and nameplate - as well as instructions, schematics and wiring diagrams. All parts meet rigid ABB specifications.

For the 63 kA rating, where fault interrupting capability is required, system capacitance must equal 12000 picofarads. It may be necessary to install this capacitance on the line side of the breaker.

Benefits
- Improved safety
- Increased interrupting and current carrying capacity
- Reduced maintenance
- Improved reliability
- Extended service life
- No new foundations, rewiring, changes in bus location or space allocation required
- New technology implemented on upgraded components may qualify for CapEx funding

For more information, please contact:

ABB Inc.
High Voltage Service
100 Distribution Circle
Mount Pleasant, Pennsylvania, USA
Phone: +1 (724) 696-1300
Fax: +1 (724) 696-1379
www.abb.us/hvservice

Note:
The information contained in this document is for general information purposes only. While ABB strives to keep the information up to date and correct, it makes no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information, products, services, or related graphics contained in the document for any purpose. Any reliance placed on such information is therefore strictly at your own risk. ABB reserves the right to discontinue any product or service at any time.

© Copyright 2013 ABB. All rights reserved.