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IEEE Recommended Practice for Instruction Manual Content of AC High-Voltage Circuit Breakers above 1000 V

IEEE Power and Energy Society

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Switchgear Committee
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IEEE Power and Energy Society

Approved 5 December 2018

IEEE-SA Standards Board

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Abstract: This recommended practice is intended to identify, organize, and summarize information about ac high-voltage circuit breakers provided by the manufacturer that knowledgeable users will find useful for the receipt, installation, commissioning, operation and maintenance, and decommissioning of ac high-voltage circuit breakers above 1000 V. Recommended categories and an arrangement for the presentation of information in circuit breaker instruction manuals is covered in this recommended practice.

Keywords: circuit breaker, disposal, installation, IEEE C37.12.1™, instruction manual, maintenance, operation

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Introduction

This introduction is not part of IEEE Std C37.12.1-2018, IEEE Recommended Practice for Instruction Manual Content of AC High-Voltage Circuit Breakers above 1000 V.

This revision of the IEEE Guide for High-Voltage (> 1000 V) Circuit Breaker Instruction Manual Content will make this document the IEEE Recommended Practice for Instruction Manual Content of AC High-Voltage Circuit Breakers above 1000 V. IEEE Std C37.12.1-2018 provides recommendations to manufacturers on the data and information to include with their circuit breaker instruction manuals. Circuit breaker instruction manuals are considered to include all component instructions, drawings and illustrations, data sheets, documentation, and other written information provided by the circuit breaker manufacturer.

The specific material recommended for inclusion in instruction manuals is that data and information commonly employed by users for the installation, operation, and maintenance of circuit breakers.

A separate Clause 5 contains additional information for specific high-voltage circuit breakers such as some nameplate information, some test measurements, some setting or calibration data, and other topics required for the installation, operation, and maintenance of a circuit breaker. This summary information is not intended to replace a thorough review of more detailed information contained in the manufacturer's instruction manual.

Clause 5 does not apply to draw-out circuit breakers such as those used in switchgear assemblies. A generic instruction manual may be more appropriate for such circuit breakers, and the instruction manual for these circuit breakers may apply to many other circuit breakers produced over a wide range of time. This recommended practice does not apply to circuit breakers used in gas-insulated switchgear.

A manufacturer's instruction manual is the definitive reference for information on the receiving, installation, operation, maintenance, and disposal of circuit breakers. This recommended practice is not intended to provide or replace the circuit breaker data normally found on the nameplate, the test reports, or the various other forms of data provided to owners of circuit breakers by the circuit breaker manufacturer. The recommended practice is intended to provide a recommended minimum content for a circuit breaker instruction manual.

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