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IEEE Standard for Test Code for Switching and Fault Making Tests for High-Voltage Interrupter Switches, Interrupters or Interrupting Aids Used on or Attached to Switches Rated for Alternating Currents Above 1000 V

IEEE Power and Energy Society

Sponsored by the
Switchgear Committee

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IEEE Std C37.30.4™-2018

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IEEE Power and Energy Society

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Abstract: Test code for switching (except capacitive current) and fault making tests for switching devices for alternating current, rated above 1000 V and used indoors, outdoors, or in enclosures is specified in this standard.

Keywords: IEEE C37.30.4™, interrupter switches, high voltage switches, indoor switches, outdoor switches

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Introduction

This introduction is not part of IEEE Std C37.30.4-2018, IEEE Standard for Test Code for Switching and Fault Making Tests for High-Voltage Interrupter Switches, Interrupters or Interrupting Aids Used on or Attached to Swtiches Rated for Alternating Currents Above 1000 V.

This standard provides test code for switching (except capacitive current) and fault-making tests for switching devices for alternating current, rated above 1000 V and used indoors, outdoors, or in enclosures.

Evolution of various standards has resulted in the need to split the content of IEEE Std 1247™-2005 into two new standards: IEEE Std C37.30.3™ [B7][1] and IEEE Std C37.30.4. Document IEEE Std C37.30.3 [B7] is the basic standard for high voltage interrupter switches, interrupters or interrupting aids used on or attached to high voltage switches. Document IEEE Std C37.30.4 provides a common test code for equipment described in IEEE Std C37.30.3 [B7] and other product standards.

[1]The numbers in brackets correspond to those of the bibliography in Annex C.

Contents

1. Overview 9
1.1 Scope 9
1.2 Purpose 9

2. Normative references 9

3. Definitions 10

4. Service conditions 10

5. Description of ratings and capabilities 11

6. Preferred ratings 11

7. Construction requirements 11

8. Test Code 11
8.1 Switching Tests 11
8.2 Fault-making current test 22
8.3 Condition of the switch after the switching tests and/or fault-making current test 25

Annex A (informative) Load-switching TRV 27

Annex B (informative) Test code comparison IEEE Std 1247 versus IEEE Std C37.30.4 29

Annex C (informative) Bibliography 31

IEEE Standard for Test Code for Switching and Fault Making Tests for High-Voltage Interrupter Switches, Interrupters or Interrupting Aids Used on or Attached to Switches Rated for Alternating Currents Above 1000 V

1. Overview

1.1 Scope

This standard provides the test code for switching (except capacitive current) and fault making tests for high voltage interrupter switches, interrupters or interrupter aids for use on switches rated above 1000 V ac and used indoors, outdoors, or in enclosures for normal current interrupting for which an interrupting duty is assigned.

1.2 Purpose

The purpose of this standard is to provide the test code for switching and fault making tests for switching devices not covered by other standards.

2. Normative references

The following referenced documents are indispensable for the application of this document (i.e., they must be understood and used, so each referenced document is cited in text and its relationship to this document is explained). For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments or corrigenda) applies.

IEEE Std C37.20.2™, IEEE Standard for Metal-Clad Switchgear.[2,3]

IEEE Std C37.20.3™, IEEE Standard for Metal-Enclosed Interrupter Switchgear (1 kV-38 kV).

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