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# IEEE Standard Requirements 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 C37.30.3™-2018

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**Switchgear Committee**
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**IEEE Power and Energy Society**

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**Abstract:** Requirements for interrupter switches, interrupters or interrupting aids used on or attached to switches rated for high-voltage ac above 1000 V and used indoors, outdoors, or in enclosures for non-fault current interrupting for which an interrupting duty is assigned are covered in this standard. It includes preferred ratings, construction, application, loading, installation, and operation and maintenance guidelines. This standard does not apply to load-break separable insulated connectors, circuit breakers, circuit switchers, metal enclosed switchgear, pad-mounted switchgear, reclosers, sectionalizers or other switching devices that are covered by other IEEE standards.

**Keywords:** high-voltage switches, IEEE C37.30.3™, indoor switches, interrupter switches, outdoor switches

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## Introduction

This introduction is not part of IEEE Std C37.30.3-2018, IEEE Standard Requirements for High-Voltage Interrupter Switches, Interrupters, or Interrupting Aids Used on or Attached to Switches Rated for Alternating Currents Above 1000 V.

This standard provides the product code for switching and fault making ratings 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 [B18][1] into two new proposed standards, IEEE Std C37.30.3 and IEEE Std C37.30.4™.[2] The proposed document, IEEE Std C37.30.3, shall become the basic standard for high voltage interrupter switches, interrupters or interrupting aids used on or attached to high voltage switches. The proposed document, IEEE Std C37.30.4, shall provide a common test code for equipment described in IEEE Std C37.30.3.

[1]The numbers in brackets correspond to those of the bibliography in Annex A.
[2]Information on references can be found in Clause 2.

## Contents

# IEEE Standard Requirements 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 document provides standard requirements for interrupter switches, interrupters, or interrupting aids used on or attached to switches rated for high-voltage ac above 1000 V and used indoors, outdoors, or in enclosures for non-fault current interrupting for which an interrupting duty is assigned. This standard covers preferred ratings, construction, application, loading, installation, operation, and maintenance guidelines. This standard does not apply to load-break separable insulated connectors, circuit breakers, circuit switchers, metal-enclosed switchgear, pad-mounted switchgear, reclosers, sectionalizers or other switching devices that are covered by other IEEE standards.

### 1.2 Purpose

The purpose of this standard is to provide a basic standard requirement for interrupter switches, interrupters, or interrupting aids used on or attached to switches rated for high-voltage ac above 1000 V.

## 2. Normative references

The following referenced documents are indispensable for the application of this document (i.e., they shall 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 C37.09™, IEEE Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis.[3,4]

IEEE Std C37.30.1™, IEEE Standard Requirements For AC High-Voltage Air Switches Rated Above 1000 V.

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