

# IEEE Standard for Metal-Enclosed Interrupter Switchgear (1 kV–38 kV)

IEEE Power and Energy Society

Sponsored by the

Switchgear Committee

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IEEE  
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New York, NY 10016-5997  
USA

**IEEE Std C37.20.3™-2013**  
(Revision of  
IEEE Std C37.20.3-2001)



# **IEEE Standard for Metal-Enclosed Interrupter Switchgear (1 kV–38 kV)**

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

Approved 11 December 2013

**IEEE-SA Standards Board**

**Abstract:** Metal-enclosed interrupter (MEI) switchgear assemblies containing, but not limited to, such devices as interrupter switches; selector switches; power fuses; circuit breakers; control, instrumentation and metering devices; and protective equipment are included in this standard. It includes, but is not specifically limited to, equipment for the control and protection of apparatus used for distribution of electrical power.

**Keywords:** IEEE C37.20.3™, MEI, metal-enclosed interrupter switchgear, metal-enclosed power switchgear, switchgear, switchgear assembly

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**PDF: ISBN 978-0-7381-8754-9      STD98458**  
**Print: ISBN 978-0-7381-8755-6      STDPD98458**

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## Introduction

This introduction is not part of IEEE Std C37.20.3-2013, IEEE Standard for Metal-Enclosed Interrupter Switchgear (1 kV–38 kV).

This standard has been revised to reflect needed technical changes since the last revision (2001) was published. The standard has been harmonized with IEEE Std C37.100.1-2007. Substantial changes have also been made to recognize the growing use of circuit breakers as a component of metal-enclosed interrupter switchgear.

This publication is one of a series covering switchgear assemblies as follows (see Figure a):

IEEE Std C37.20.1™, IEEE Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear

IEEE Std C37.20.2™, IEEE Standard for Metal-Clad Switchgear

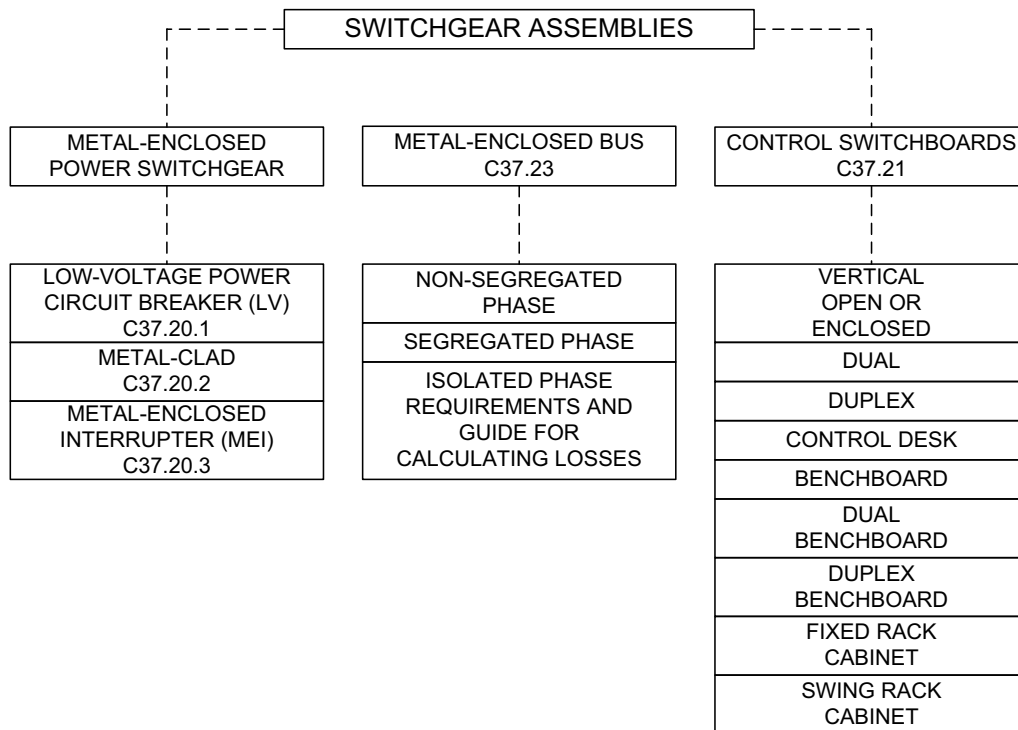
IEEE Std C37.20.3™, IEEE Standard for Metal-Enclosed Interrupter Switchgear

IEEE Std C37.20.4™, IEEE Standard for Indoor AC Switches Rated Above 1 kV through 38 kV for Use in Metal-Enclosed Switchgear

IEEE Std C37.20.6™, IEEE Standard for 4.76 to 38 kV Rated Ground and Testing Devices Used in Enclosures

IEEE Std C37.21™, IEEE Standard for Control Switchboards

IEEE Std C37.23™, IEEE Standard for Metal-Enclosed Bus



**Figure a—Publications about switchgear assemblies**

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## 1. Overview

### 1.1 Scope

This standard covers metal-enclosed interrupter (MEI) switchgear assemblies containing, but not limited to, such devices as interrupter switches; selector switches; power fuses; circuit breakers; control, instrumentation and metering devices; and protective equipment. It includes, but is not specifically limited to, equipment for the control and protection of apparatus used for distribution of electrical power.

This standard is concerned with enclosed (rather than open), indoor and outdoor switchgear assemblies rated above 1 kV. It includes equipment that is part of primary and secondary unit substations. It does not include gas-insulated substation equipment or switching devices mounted integrally within a transformer enclosure.

### 1.2 Purpose

The purpose of this standard is to provide the usual service conditions, definition of ratings, preferred ratings, design and production tests, construction requirements, an application guide, and a guide for handling, storage, and installation for MEI switchgear.