

IEEE Standard Service Conditions and Definitions for High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories

Sponsor
**Switchgear Committee
of the
IEEE Power Engineering Society**

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Abstract: Service conditions and definitions for high-voltage fuses (above 1,000 V), distribution enclosed single-pole air switches, fuse disconnecting switches, and accessories for ac distribution systems are covered. These include enclosed, open, and open-link types of distribution cutouts and fuses; distribution current-limiting fuses; distribution oil cutouts; distribution enclosed single-pole air switches; power fuses, including current-limiting types; outdoor and indoor fuse disconnecting switches; fuse supports, mountings, hooks, and links, all of the type used exclusively with the above; and removable switch blades for certain products among the above.

Keywords: distribution enclosed single-pole air switch, fuse accessories, fuse disconnecting switch, high-voltage fuse

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Introduction

(This introduction is not a part of IEEE Std C37.40-1993, IEEE Standard Service Conditions and Definitions for High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories.)

This standard is a revision of IEEE Std C37.40-1981 (Reaff 1987) to bring it up-to-date and in line with present day requirements for high-voltage fuses and switches.

This standard was prepared by the IEEE Subcommittee on High-Voltage Fuses with cooperation from the C37 Subcommittee on High-Voltage Fuses and the National Electrical Manufacturers Association (NEMA). Liaison was maintained with Edison Electric Institute (EEI) and International Electrotechnical Commission (IEC) during the development of the revisions in order to incorporate the latest activities at the time of publication.

This standard is one of a series of complementary standards covering various types of high-voltage fuses and switches, arranged so that certain standards apply to all devices while other standards provide additional specifications for a particular device. For any device, IEEE Std C37.40-1993, IEEE Std C37.41-1988, plus the additional standard covering that device, constitute a complete standard for the device. In addition, IEEE Std C37.48-1987 is an application, operation, and maintenance guide for all the devices.

The following standards make up this series:

ANSI C37.42-1989, Specifications for Distribution Cutouts and Fuse Links

ANSI C37.44-1981 (R1987), Specifications for Distribution Oil Cutouts and Fuse Links

ANSI C37.45-1981 (R1987), Specifications for Distribution Enclosed Single-Pole Air Switches

ANSI C37.46-1981 (R1987), Specifications for Power Fuses and Fuse Disconnecting Switches

ANSI C37.47-1981 (R1987), Specifications for Distribution Fuse Disconnecting Switches, Fuse Supports, and Current Limiting Fuses

IEEE Std C37.40-1993, IEEE Standard Service Conditions and Definitions for High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories (ANSI)

IEEE Std C37.41-1988, IEEE Standard Design Tests for High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories (ANSI)

IEEE Std C37.48-1987 (Reaff 1992), IEEE Guide for Application, Operation, and Maintenance of High-Voltage Fuses, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories (ANSI)

Suggestions for improvement gained in the use of this standard will be welcome.

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