IEEE Power Switchgear, Circuits & Fuses Standards Collection: VuSpec™

Summary

IEEE Power Switchgear, Circuits & Fuses Standards Collection: VuSpec represents the most complete resource available for professional engineers looking for best practices and techniques covering design, construction and operation of devices or assembled gear to establish, interrupt, or change connections in any electric circuit under normal or abnormal conditions.

Areas covered are:
• Automatic reclosers and sectionalizers
• Fuses and cutouts
• Gas-Insulated Switchgear (aka GIS)
• Switches, switchgear assemblies and devices
• Insulation, insulators and hardware for switchgear
• All buses included in switchgear assemblies
• Power circuit breakers

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Includes 89 active IEEE Standards, Guides, Recommended Practices and Corrigendums in PDF format.

• IEEE Std 1247- 2005, IEEE Standard for Interrupter Switches for Alternating Current, Rated Above 1000 Volts
• IEC/IEEE 62271-37-082:2012(E), High-voltage switchgear and controlgear - Part 37-082: Standard practice for the measurement of sound pressure levels on alternating current-circuit-breakers
• IEEE Std C37.04a-2003 (R2006), IEEE Standard Rating AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis - Amendment 1: Capacitance Current Switching
• C37.04b-2008 - IEEE Standard for Rating Structure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis Amendment 2: To Change the Description of Transient Recovery Voltage for Harmonization with IEC 62271-100
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- IEEE Std C37.06-2009, IEEE Standard for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis -Preferred Rating and Related Required Capabilities for Voltages Above 1000V
- ANSI C37.06.1-2000, Guide for High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis Designated "Definite Purpose for Fast Transient Recovery Voltage Rise Times"
- IEEE Std C37.09b-2010 (Amendment to IEEE Std C37.09-1999) - IEEE Standard Test Procedure for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis -- Amendment 2: To Change the Description of Transient Recovery Voltage for Harmonization with IEC 62271-100
- IEEE Std C37.016-2006, IEEE Standard for AC High-Voltage Circuit Switcher rated 15.5 kV through 245 kV
- IEEE Std C37.017-2010 Standard for Bushings for High Voltage (over 1000 Volts ac) Circuit Breakers and Gas Insulated Switchgear
- IEEE Std C37.081a-1997 (R2007), Supplement to IEEE Guide for Synthetic Fault Testing of AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis B.3.2: Recovery Voltage for Terminal Faults; Asymmetrical Short-Circuit Current
• IEEE Std C37.11-1997 (R2003), IEEE Standard Requirements for Electrical Control for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis
• IEEE Std C37.13a-2012, IEEE Standard for Low-Voltage AC Power Circuit Breakers Used in Enclosures Amendment 1: Increase of Voltages to 1000 V AC and Below
• IEEE Std C37.16-2009, IEEE Standard for Preferred Ratings, Related Requirements, and Application Recommendations for Low-Voltage AC (635 V and below) and DC (3200 V and below) Power Circuit Breakers
• IEEE Std C37.17-2012, American National Standard for Trip Devices for AC and General Purpose DC Low Voltage Power Circuit Breakers
• IEEE Std C37.20.1a-2005 (R2007) (Amendment to IEEE Std C37.20.1-2002), IEEE Standard for Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear; Amendment 1: Short-Time and Short-Circuit Withstand Current Tests-Minimum Areas for Multiple Cable Connections
• IEEE Std C37.20.2-1999 (R2005), IEEE Standard for Metal-Clad Switchgear
• IEEE Std C37.20.3-2001 (R2006), IEEE Standard for Metal-Enclosed Interrupter Switchgear
• IEEE Std C37.20.4-2013, IEEE Standard for Indoor AC Switches (1kV- 38kV) for Use in Metal-Enclosed Switchgear
• IEEE Std C37.20.6-2007, IEEE Standard for 4.76 kV to 38kV Rated Grounding and Testing Devices Used in Enclosures
• IEEE Std C37.20.7-2007/Cor1-2010, IEEE Guide for Testing Metal-Enclosed Switchgear Rated Up to 38 kV for Internal Arcing Faults
• IEEE Std C37.21-2005, IEEE Standard for Control Switchboards
• IEEE Std C37.23-2003 (R2008), IEEE Standard for Metal Enclosed Bus
IEEE Std C37.30-1997, IEEE Standard Requirements for High-Voltage Switches
IEEE Std C37.35-1995, IEEE Guide for the Application, Installation, Operation and Maintenance of High Voltage Air Disconnecting and Interrupter Switches
IEEE Std C37.42-2009, IEEE Standard Specifications for High-Voltage (>1000V) Expulsion Type Distribution-Class Fuses, Fuse and Disconnecting Cutouts, Fuse Disconnecting Switches and Fuse Links, and Accessories Used with These Devices
IEEE Std C37.43-2008 - IEEE Standard Specifications for High-Voltage Expulsion, Current-Limiting, and Combination-Type Distribution and Power Class External Fuses, with Rated Voltages from 1 kV through 38 kV, Used for the Protection of Shunt Capacitors
IEEE Std C37.45-2007, IEEE Standard Specifications for High-Voltage Distribution Class Enclosed Single-Pole Air Switches with Rated Voltages from 1 kV through 8.3 kV
IEEE Std C37.46- 2010, American National Standard for High Voltage Expulsion and Current-Limiting Type Power Class Fuses and Fuse Disconnecting Switches
ANSI Std C37.47- 2011, American National Standard for High Voltage Current-Limiting Type Distribution Class Fuses and Fuse Disconnecting Switches

ANSI Std C37.50-2012, American National Standard for Switchgear — Low-Voltage AC Power Circuit Breakers Used in Enclosures; Test Procedures

ANSI Std C37.51-2003 (R2010), American National Standard for Switchgear — Metal-Enclosed Low-Voltage AC Power-Circuit Breaker Switchgear Assemblies; Conformance Test Procedures


IEEE Std C37.60-2012 - IEEE Standard for High-voltage switchgear and controlgear - Part 111: Automatic circuit reclosers and fault interrupters for alternating current systems up to 38 kV


IEEE Std C37.66-2005 - IEEE Standard Requirements for Capacitor Switches for AC Systems (1 kV to 38 kV)


ANSI/IEEE C37.82-1987 (R2009) - IEEE Standard for the Qualification of Switchgear Assemblies for Class 1E Applications in Nuclear Power Generating Stations


IEEE C37.100.1-2007 - IEEE Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V

IEEE Std C37.122-2010 - IEEE Standard for High Voltage Gas-Insulated Substations Rated Above 52 kV

- IEEE Std C37.122.2-2011 - IEEE Guide for the Application of Gas-Insulated Substations 1 kV to 52 kV
- IEEE Std C37.122.3-2011 - IEEE Guide for Sulphur Hexafluoride (SF6) Gas Handling for High-Voltage (over 1000 Vac) Equipment

**Bonus Features**

- New VuSpec™ Series Interface: Starts Automatically in Your Web Browser with Free Adobe Reader Software
- Powerful Search Features: Search on Abstracts, Keywords, An Entire Standard, or Across Multiple Standards
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