

IEEE Surge Protective Devices Standards Collection: VuSpec™

IEEE Surge Protective Devices Standards Collection: VuSpec™ represents the most complete resource available for professional engineers looking for best practices and techniques covers content for treatment of all matters in which the dominant factors are the design, construction, testing, safety, preparation of standards and guides, selection, application and integration of protective devices with auxiliary systems and equipment (such as shield wires, lightning masts, etc.) designed to prevent damage and/or outages to electrical power generation, transmission, distribution, utilization and communication systems, and associated equipment due to transient overvoltages, transient currents, temporary overvoltages and temporary fault currents. Excluded are interrupting devices with and without current-limiting ability.

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Includes 32 active IEEE standards, guides and recommended practices, errata & interpretations in the Surge Protective Device family:

- C62.11™-2012 - IEEE Standard for Metal-Oxide Surge Arresters for AC Power Circuits (> 1 kV)
- C62.21™-2003 (R2009) - IEEE Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 Volts and Greater
- C62.21™-2003 Errata to IEEE Guide for the Application of Surge Voltage Protective Equipment
- C62.21™-2003/Cor 1-2008 (R2009) - IEEE Guide for the Application of Surge Voltage Protective Equipment on AC Rotating Machinery 1000 V and Greater - Corrigendum 1: Correct Table 2, A.1, and A.2
- C62.22™-2009 - IEEE Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems
- C62.22a™-2013, IEEE Guide for the Application of Metal-Oxide Surge Arresters for Alternating-Current Systems Amendment 1: Supplement to Consider Energy Handling Capabilities
- C62.23™-1995 (R2001) - IEEE Application Guide for Surge Protection of Electric Generating Plants
- C62.31™-2006 (R2011)- IEEE Standard Test Methods for Low-Voltage Gas-Tube Surge-Protective Device Components
- C62.33™-1982 (R2001)- IEEE Standard Test Specifications for Varistor Surge-Protective Devices
- C62.34™-1996 (R2001)- IEEE Standard for Performance of Low-Voltage Surge-Protective Devices (Secondary Arresters)
- C62.35™-2010 - IEEE Standard Test Methods for Avalanche Junction Semiconductor Surge-Protective Device Components

- C62.36™-2014 - IEEE Standard Test Methods for Surge Protectors Used in Low-Voltage Data, Communications, and Signaling Circuits
- C62.37.1™-2012 - IEEE Guide for the Application of Thyristor Surge Protective Devices
- C62.37™-1996 (R2010) - IEEE Standard Test Specification for Thyristor Diode Surge Protective Devices
- C62.39™-2012, IEEE Standard for Test Methods and Preferred Values for Self-Restoring Current-Limiter Components Used in Telecommunication Surge Protection
- C62.41.1™-2002 (R2008)- IEEE Guide on the Surge Environment in Low-Voltage (1000V and Less) AC Power Circuits
- C62.41.2™-2002 - IEEE Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and Less) AC Power Circuits
- C62.42™-2005 - IEEE Guide for the Application of Component Surge-Protective Devices for Use in Low-Voltage [Equal to or Less than 1000 V (ac) Or 1200 V (dc)] Circuits
- C62.41.2™-2002/Cor 1-2012, IEEE Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and Less) AC Power Circuits
- C62.43™-2005 (R2010) - IEEE Guide for the Application of Surge Protectors Used in Low-Voltage (Equal to or Less than 1000 Vrms or 1200 Vdc) Data, Communications, and Signaling Circuits
- C62.45™-2002 (R2008) - IEEE Recommended Practice on Surge Testing for Equipment Connected to Low-Voltage (1000 V and Less) AC Power Circuits
- C62.48™-2005, IEEE Guide on Interactions Between Power System Disturbances and Surge Protective Devices
- C62.50™-2012, IEEE Standard for Performance Criteria and Test Methods for Plug-in (Portable) Multiservice (Multiport) Surge-Protective Devices for Equipment Connected to a 120 V/240 V Single Phase Power Service and Metallic Conductive Communication Line(s)
- C62.62™-2010 - IEEE Standard Test Specifications for Surge-Protective Devices (SPDs) for Use on the Load Side of the Service Equipment in Low Voltage (1000 V and less) AC Power Circuits
- C62.64™-2009 - IEEE Standard Specifications for Surge Protectors Used in Low-Voltage Data, Communications, and Signaling Circuits
- C62.72™-2007 - IEEE Guide for the Application of Surge Protective Devices for Low Voltage (1000 Volts or Less) AC Power Circuits
- C62.82.1™-2010 - IEEE Standard for Insulation Coordination--Definitions, Principles, and Rules
- C62.92.1™-2000 (R2005) - IEEE Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part 1 - Introduction
- C62.92.2™-1989 (R2005) - IEEE Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part II - Grounding of Synchronous Generator Systems
- C62.92.3™-2012 - IEEE Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part III - Generator Auxiliary Systems
- C62.92.4™-2014 - IEEE Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part IV-Distribution
- C62.92.5™-2009 - IEEE Guide for the Application of Neutral Grounding in Electrical Utility Systems, Part V-Transmission Systems and Subtransmission Systems

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