IEEE Power Systems Relays Standards Collection: VuSpec™

This VuSpec includes 47 active IEEE standards, guides, recommended practices in the Power Systems Relays family. Power System Relays Standards concentrate on the application, design, construction and operation of protective, regulating, monitoring, reclosing, synch-check, synchronizing and auxiliary relays. This includes items used in the operation of relays and relaying systems in the transmission, generation, distribution and utilization of electrical energy and their effect on system operation.

The standards included in IEEE Power Systems Relays Collection: VuSpec are suited for the electrical environment, including relay withstand capabilities to electromagnetic interference, performance of instrument transformers, testing procedures, applications, performance criteria, and definitions of relays and relay systems.

This indispensable collection of standards is ideal for electrical and electronics, power, high-voltage, insulation, electrical-power, transmission and distribution, and industrial engineers; and power system researchers and technicians.

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- IEEE Std C37.90.2-2004 (R2010), IEEE Standard for Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers
- IEEE Std C37.90.3-2001 (R2012), IEEE Standard Electrostatic Discharge Tests for Protective Relays
- IEEE Std C37.91-2008 (Revision of IEEE Std C37.91-2000), IEEE Guide for Protective Relay Applications to Power Transformers


IEEE Std C37.102-2006, IEEE Guide for AC Generator Protection


IEEE Std C37.105-2010, IEEE Standard for Qualifying Class 1E Protective Relays and Auxiliaries for Nuclear Power Generating Stations


IEEE Std C37.110-2007/Cor 1, IEEE Guide for the Application of Current Transformers Used for Protective Relaying Purposes


IEEE Std C37.112-1996 (R2007), IEEE Standard Inverse-Time Characteristic Equations for Overcurrent Relays

IEEE Std C37.113-1999 (R2004), IEEE Guide for Protective Relay Applications to Transmission Lines


IEEE Std C37.118.2-2011, IEEE Standard for Synchrophasor Data Transfer for Power Systems


IEEE Std C37.231-2006 (R2012), IEEE Recommended Practice for Microprocessor-Based Protection Equipment Firmware Control
• IEEE Std C37.232-2011, IEEE Recommended Practice for Naming Time Sequence Data Files
• IEEE Std C37.234-2009, IEEE Guide for Protective Relay Applications to Power System Buses
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• IEEE Std C57.13.3-2014, IEEE Guide for Grounding of Instrument Transformer Secondary Circuits and Cases

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