Flexible Scope of accreditation in addition to

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Testing in the fields:

- **High-voltage equipment, systems and their components**

Technical field	Standard / Version In-House Procedure / Version	Title of Standard or In-House Procedure (Deviations / Modifications of Standard)	Test Range/ Restrictions
Wechselstrom-schaltgeräte für Spannungen über 1 kV (allgemein) A.C. switchgear, voltage above 1 kV (general)	IEC 62271-1: 2017-07+ 2021 AMD	High voltage switchgear and controlgear – Part 1: Common specification	
	IEEE Std C37.100: 1992	IEEE Standard Definitions for Power Switchgear	
	IEEE Std C37.20.2: 2015	IEEE Standard for Metal-Clad Switchgear	
	IEEE Std C37.20.3: 2013	IEEE Standard for Metal-Enclosed Interrupter Switchgear (1kV-38kV)	
	IEEE Std C37.21: 2017	IEEE Standard for Control Switchboards	
Leistungsschalter Circuit-breakers	IEC 62271-100: 2021-07	High-voltage switchgear and controlgear – Part 100: Alternating current circuit-breakers	Without 7.8-7.101, 8.5
	IEC 62271-108: 2020-07	High-voltage switchgear and controlgear - Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages of 72,5 kV and above	without 7.8-7.11
	IEC 62271-110: 2017-10	High-voltage switchgear and controlgear – Part 110: Inductive load switching	

	VDE 0115 Teil 300-2: 2003-11 DIN EN 50123-2: 2003-11 EN 50123-2: 2003	Bahnanwendungen - Ortsfeste Anlagen - Gleichstrom-Schaltanlagen – Teil 2: Gleichstrom-Leistungsschalter Railway applications – Fixed installations – D.C. switchgear – Part 2: D.C. circuit breakers	
	IEEE Std C37.06: 2009	IEEE Standard for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis - Preferred Ratings an Related Required Capabilities for Voltages Above 1000 V	
	IEEE Std C37.06.1: 2017	American National Standard Guide for High-Voltage Circuit Breakers Rated on Symmetrical Current Basis Designated - Definite Purpose for Fast Transient Recovery Voltage Rise Times	
	IEEE Std C37.09: 2018	IEEE Standard Test Procedure for AC High-Voltage Circuit-Breakers Rated on a Symmetrical Current Basis	
	IEEE Std C37.010: 2016	IEEE Application Guide for AC High-Voltage Circuit Breakers Rated an a Symmetrical Current Basis	
	IEEE Std C37.011: 2019	IEEE Application Guide for Transient Recovery Voltage for AC High-Voltage Circuit Breakers	
	IEEE Std C37.012: 2014	IEEE Application Guide for Capacitive Current Switching for AC High-Voltage Circuit Breakers	
	IEEE Std C37.013: 2007	IEEE Standard for AC High-Voltage Generator Circuit Breakers Rated an a Symmetrical Current Basis	
	IEEE/IEC 62271-37-013: 2015	IEEE/IEC International Standard for High-voltage switchgear and controlgear Part 37-013: Alternating –current generator circuit-breaker	
	IEEE Std C37.015: 2017	IEEE Guide for the Application of Shunt Reactor Switching	
	IEEE Std C37.081: 1981	IEEE Guide for Synthetic Fault Testing of AC High-Voltage Circuit Breakers Rated an a Symmetrical Current Basis	

	IEEE Std C37.081a: 1997	Supplement to IEEE Guide for Synthetic Fault Testing of AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis. 8.3.2: Recovery Voltage for Terminal Faults; Asymmetrical Short-Circuit Current	
	IEEE Std 62271-37-082:2012	High-voltage switchgear and controlgear - Part 37-082: Standard practice for the measurement of sound pressure levels on alternating current circuit-breakers	
	IEEE Std C37.083: 1999	IEEE Guide for Synthetic Capacitive Current Switching Tests of AC High-Voltage Circuit Breakers	
	IEEE Std C37.11: 2014	IEEE Standard Requirements for Electrical Control for AC High-Voltage Circuit Breakers Rated an a Symmetrical Current Basis	
Lastschalter High-voltage switches	IEC 62271-103: 2021-05	High-voltage switchgear and controlgear – Part 103: Switches for rated voltages above 1 kV up to and including 52 kV	Without 7.8-7.11, 7.102
	IEC 62271-104: 2020-08	High-voltage switchgear and controlgear – Part 104: Alternating current switches for rated voltages of 52 kV and above	Without 7.8-7.11,7.105-7.108, 8.3, 8.5
	IEC 62271-105: 2021-06	High-voltage switchgear and controlgear – Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV	Without 7.8-7.11, 7.103-7.105
Schütze und Motorstarter High-voltage a.c. contactors and motorstarters	IEC 62271-106: 2021-04	High-voltage switchgear and controlgear – Part 106: Alternating current contactors, contactor-based controllers and motor-starters	Without 7.5,7.8-7.11, 7.103-7.110, 8.5, 8.102
Trenn- und Erdungsschalter	IEC 62271-102: 2018-05 + 2022AMD	High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches	Without 7.11, 8.3, 8.5

Disconnectors and earthing switches	VDE 0115 Teil 320-2: 2013-07 DIN EN 50152-2: 2013-07 EN 50152-2: 2012	Bahnanwendungen - Ortsfeste Anlagen – Besondere Anforderungen an Wechselstrom-Schaltanlagen – Teil 2: Einphasige Trennschalter, Erdungsschalter und Lastschalter mit Un über 1 kV Railway applications – Fixed installations – Particular requirements for a.c. switchgear – Part 2: Single-phase disconnectors, earthing switches and switches with Un above 1 kV	
	IEEE Std C37.30.1: 2011	IEEE Standard Requirements for AC High-Voltage Switches Rated Above 1000 V	
	IEEE Std C37.34: 1994	IEEE Standard Test Code for High-Voltage Air Switches	
	IEEE Std C37.37: 1996	IEEE Loading Guide for AC High-Voltage Air Switches (In Excess of 1000 V)	
	IEEE Std C37.38: 1989	IEEE Standard for Gas-Insulated, Metal-Enclosed Disconnecting, Interrupter and Grounding Switches	
	IEEE Std C37.41: 2016	IEEE Standard Design Tests for High-Voltage (>1000 V) Fuses, Fuses and Disconnecting Cutouts, Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Fuse Links and Accessories Used with These Devices	
Sicherungen Fuses	VDE 0670 Teil 4: 2017-10 DIN EN 60282-1: 2017-10 IEC 60282-1: 2014-07 EN 60282-1: 2014	Hochspannungssicherungen – Teil 1: Strombegrenzende Sicherungen High-voltage fuses – Part 1: Current-limiting fuses	
	IEC 60282-2: 2008-04	High-voltage fuses – Part 2: Expulsion fuses	
	VDE 0636-6:2011-11: 2011-11 DIN EN 60269-6: 2011-11 IEC 60269-6: 2010 EN 60269-6: 2011	Niederspannungssicherungen Teil 6: Zusätzliche Anforderungen an Sicherungseinsätze für den Schutz von solaren photovoltaischen Energieerzeugungssystemen Low-voltage fuses - Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems	

	VDE 0670-404: 2014-02 DIN EN 60549: 2014-02 IEC 60549: 2013 EN 60549-2013	Hochspannungssicherungen für den externen Schutz von Parallelkondensatoren High-voltage fuses for the external protection of shunt capacitors	
	VDE 0670 Teil 401: 2010-07 DIN EN 60644: 2010-07 IEC 60644: 2009-08 EN 60644: 2009	Anforderungen für Hochspannungs-Sicherungseinsätze für Motorstromkreise Specification for high-voltage fuse-links for motor circuit applications	
Schaltanlagen Switchgear and controlgear	IEC 62271-200: 2021-05	High-voltage switchgear and controlgear – Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	Without 7.8-7.11, 7.103, 8.3, 8.5, 8.103, 8.105
	IEC 62271-201: 2014-03	High-voltage switchgear and controlgear – Part 201: AC insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV	
	IEC 62271-202: 2015-04	High-voltage switchgear and controlgear – Part 202: High-voltage/low-voltage prefabricated substations	
	IEC 62271-203: 2013-07	High-voltage switchgear and controlgear – Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	
	IEC 62271-205: 2008-01	High-voltage switchgear and controlgear – Part 205: Compact switchgear assemblies for rated voltages above 52 kV	
	IEC 62271-206: 2011-01	High-voltage switchgear and controlgear – Part 206: Voltage presence indicating systems for rated voltages above 1 kV and up to and including 52 kV	
	IEC 62271-212: 2016-10	High-voltage switchgear and controlgear - Part 212: Compact Equipment Assembly for Distribution Substation (CEADS)	

	IEC TS 62271-304:2019-03	High-voltage switchgear and controlgear –Part 304: Design classes for indoor enclosed switchgear and controlgear for rated voltages above 1 kV up to and including 52 kV to be used in severe climatic conditions	
	VDE 0115 Teil 300-1: 2004-05 DIN EN 50123-1: 2004-05 EN 50123-1: 2003	Bahnanwendungen – Ortsfeste Anlagen – Gleichstrom-Schalteinrichtungen – Teil 1: Allgemeines Railway applications – Fixed installations – D.C. switchgear – Part 1: General	
Überspannungs-schutzgeräte Surge arresters	IEC 60099-1: 1999-12	Surge arresters – Part 1: Non-linear resistor type gapped surge arresters for a.c. systems	
	IEC 60099-4: 2014-06	Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems	
	IEC 60099-9: 2014	Surge arresters - Part 9: Metal-oxide surge arresters without gaps for HVDC converter stations	
	IEC/TR 60099-3:1990-09	Surge arrsters – Part 3: Artifical pollution testing of surge arresters	
	IEEE C62.11:2012	IEEE Standard for Metal-Oxide Surge Arresters for AC Power Circuits (>1kV)	
Transformatoren, Drosselspulen, TFH-Anlagen, Stufenschalter Transformers, reactors, PLC-systems, On-load tap-changers	IEC 60076-1: 2011-04	Power transformers – Part 1: General	
	IEC 60076-2: 2011-02	Power transformers – Part 2: Temperature rise for liquid-immersed transformers	
	IEC 60076-3: 2013-07 + 2018 AMD	Power transformers – Part 3: Insulation levels, dielectric tests and external clearances in air	
	IEC 60076-5: 2006-02	Power transformers – Part 5: Ability to withstand short-circuit	
	IEC 60076-10: 2016-03	Power Transformers – Part 10: Determination of sound levels	

	IEC 60076-11: 2018-08	Power transformers – Part 11: Dry-type transformers	
	IEC 60076-13: 2006-05	Power transformers – Part 13 : Self-protected liquid-filled transformers	
	IEC 60076-4: 2002-06	Power transformers – Part 4: Guide to the lightning impulse and switching impulse testing - Power transformers and reactors	
	IEC 60076-6: 2007-12	Power transformers – Part 6: Reactors	
	VDE 0532 Teil 21: 1982-03 DIN 57532-21: 1982-03	Transformatoren und Drosselspulen: Anlaßtransformatoren und Anlaßdrosselspulen	
	IEC 61378-1: 2011-07	Convertor transformers – Part 1: Transformers for industrial applications	
	IEC 61378-2: 2001-02	Convertor transformers – Part 2: Transformers for HVDC applications	
	VDE 0115 Teil 329: 2011-02 DIN EN 50329: 2011-02 EN 50329: 2010	Bahnanwendungen, Ortsfeste Anlagen, Bahn-Transformatoren Railway applications – Fixed installations – Traction transformers	
	IEC 60214-1: 2014-05	Tap-changers – Part 1: Performance requirements and test methods	
	IEEE C57.131: 2012	IEEE Standard Requirements for Tap Changers	
	IEC 60146-1-3: 1991-04	Semiconductor convertors - General requirements and line commutated convertors – Part 1-3: Transformers and reactors	
	IEC 60310: 2016-01	Railway applications – Traction transformers and inductors on board rolling stock	
	IEC 60481: 1974-01	Coupling devices for power line carrier systems	
	IEEE Std C57.21: 2008	IEEE Standard Requirements, Terminology, and Test Code for Shunt Reactors Rated Over 500 kVA	
	IEEE Std C57.12.90: 2015	IEEE Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers	

	IEEE Std C57.12.00: 2015	IEEE Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers	
Strom- und Spannungs-wandler Instrument transformers	IEC 60044-7: 1999-12	Instrument transformers – Part 7: Electronic voltage transformers	
	IEC 60044-8: 2002	Instrument transformers - Part 8: Electronic current transformers	
	IEC 61869-1: 2007-10	Instrument transformers – Part 1: General requirements	
	IEC 61869-2: 2012-09	Instrument transformers – Part 2: Additional requirements for current transformers	
	IEC 61869-3: 2011-07	Instrument transformers – Part 3: Additional requirements for inductive voltage transformers	
	IEC 61869-4: 2014-08	Instrument transformers – Part 4: Additional requirement for combined transformers	
	IEC 61869-5: 2015-08	Instrument transformers – Part 5: Additional requirements for capacitor voltage transformers	
	VDE 0414 Teil 6: 2008-07 DIN EN 50482: 2008-07 EN 50482: 2008	Messwandler - Dreiphasige Spannungswandler mit Um bis 52 kV Instrument transformers - Three-phase voltage transformers for voltage levels having Um up to 52 kV	
	IEEE C57.12.01: 2015	IEEE general requirements for dry type distribution and power trafos	
	IEEE C57.12.20: 2017	IEEE Standard for Overhead-Type Distribution Transformers ≤ 500 kVA	
	IEEE C57.138: 2016	IEEE Recommended Practice for Routine Impulse Tests for Distribution Transformers	
	IEEE C57.12.91: 2011	IEEE Standard Test Code for Dry-Type Distribution and Power Transformers	

	IEC 60252-1: 2013-08	AC motor capacitors – Part 1: General; Performance, testing and rating; Safety requirements; Guide for installation and operation	
	IEC 60110-1: 1998-06	Power capacitors for induction heating installations – Part 1: General	
	IEC 60143-1: 2015-06	Series capacitors for power systems – Part 1: General	
	IEC 60143-2:2012	Series capacitors for power systems - Part 2: Protective equipment for series capacitor banks	
	IEC 60143-3: 2015	Series capacitors for power systems - Part 3: Internal fuses	
	IEC 60143-4: 2010	Series capacitors for power systems - Part 4: Thyristor controlled series capacitors	
	IEC 60871-1: 2014-05	Shunt capacitors for a.c. power systems having a rated voltage above 1000 V – Part 1: General	
	IEC TS 60871-2: 2014-11	Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V – Part 2: Endurance testing	
	IEC 60871-4: 2014-03	Shunt capacitors for AC power systems having a rated voltage above 1000 V – Part 4: Internal fuses	
	IEEE Std 18: 2012	IEEE Standard for Shunt Power Capacitors	
	HN 54-S-05:1998/ Amd 1: 2006	MV power capacitors with an all-film dielectric impregnated with a non-chlorinated dielectric liquid and with or without internal fuses	
Isolierkörper, Durchführungen, Isolatoren Insulators, Bushings	IEC 62217: 2012-09	Polymeric HV insulators for indoor and outdoor use – General definitions, test methods and acceptance criteria	
	ANSI C29.11: 2012	Composite Insulators - Test Methods	
	ANSI C29.13: 2018-11	Insulators – composite. distribution deadend type	

	IEC 60660: 1999-10	Insulators – Tests on indoor post insulators of organic material for systems with nominal voltages greater than 1000 V up to but not including 300 kV	
	IEC 60383-1: 1993-04	Insulators for overhead lines with a nominal voltage above 1000 V – Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria	
	IEC 60383-2: 1993-04	Insulators for overhead lines with a nominal voltage above 1000 V – Part 2: Insulator strings and insulator sets for a.c. systems - Definitions, test methods and acceptance criteria	
	IEC 61325: 1995-03	Insulators for overhead lines with a nominal voltage above 1000 V – Ceramic or glass insulator units for d.c. systems - Definitions, test methods and acceptance criteria	
	IEC 60507: 2013-12	Artificial pollution tests on high-voltage ceramic and glass insulators to be used on a.c. systems	
	IEC 60168: 1994-11 + 1997 AMD + 2000 AMD	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1000 V	
	IEC 60137: 2017-06	Insulated bushings for alternating voltages above 1000 V	
	IEEE C57.19.00: 2004	IEEE Standard General Requirements and Test Procedure for Power Apparatus Bushings	
	IEC 60437: 1997-09	Radio interference test on high-voltage insulators	
	IEC 61109: 2008-05	Insulators for overhead lines - Composite suspension and tension insulators for a.c. systems with a nominal voltage greater than 1000 V -Definitions, test methods and acceptance criteria	
	IEC 61211 2004-11	Insulators of ceramic material or glass for overhead lines with a nominal voltage greater than 1000 V – Impulse puncture testing in air	

	IEC/TS 61245: 2015-03	Artificial pollution tests on high-voltage insulators to be used on d.c. systems	
	IEC TS 60815-1:2008	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 1: Definitions, information and general principles Only Annex C: Measurement of ESDD and NSDD	
	IEC 61462: 2007-02	Composite hollow insulators – Pressurized and unpressurized insulators for use in electrical equipment with rated voltage greater than 1000 V - Definitions, test methods, acceptance criteria and design recommendations	
	IEC 61467: 2008-08	Insulators for overhead lines – Insulator strings and sets for lines with a nominal voltage greater than 1000 V - AC power arc tests	
	IEC 61952: 2008-05	Insulators for overhead lines – Composite line post insulators for A.C. systems with a nominal voltage greater than 1000 V - Definitions, test methods and acceptance criteria	
	IEC TS 62073:2016-02	Guidance on the measurement of hydrophobicity of insulator surface Methode C: The spray method	
	IEC 62231: 2006-02	Composite station post insulators for substations with a.c. voltages greater than 1000 V up to 245 kV – Definitions, test methods and acceptance criteria	
	IEC 62621: 2011-06	Railway applications – Fixed installations – Electric traction – Special requirements for composite insulators used for overhead contact line systems	
	IEC 62772: 2016	Composite hollow core station post insulators for substations with a.c. voltage greater than 1 000 V and d.c. voltage greater than 1 500 V - Definitions, test methods and acceptance criteria	
	IEC TS 62896: 2015-11	Hybrid insulators for a.c. and d.c. for high-voltage applications - Definitions, test methods and acceptance criteria	

	IEC/IEEE 65700-19-03: 2014-07	Bushings for DC application	
Armaturen für Freileitungen und Schaltanlagen Fittings for overhead lines and switchgear	VDE 0212 Teil 1: 1998-05 DIN EN 61284: 1998-05 IEC 61284: 1998-09	Freileitungen – Anforderungen und Prüfungen für Armaturen Overhead lines – Requirements and tests for fittings	
	VDE 0212 Teil 2: 1999-08 DIN EN 61854: 1999-08 IEC 61854: 2020-02	Freileitungen – Anforderungen und Prüfungen für Feldabstandhalter Overhead lines – Requirements and tests for spacers	
	VDE 0212 Teil 3: 1999-08 DIN EN 61897: 1999-08 IEC 61897: 2020-03	Freileitungen – Anforderungen und Prüfungen für Schwingungsdaempfer - Typ Stockbridge Overhead lines – Requirements and tests for Stockbridge type aeolian vibration dampers	
	DIN VDE V 0212-490 VDE V 0212-490: 2014-12	Armaturen für Freileitungen Teil 490: Bauteile für den Vogelschutz – Anforderungen und Prüfungen	
	DIN EN 50119 VDE 0115-601:2014-01	Bahnanwendungen – Ortsfeste Anlagen Oberleitungen für den elektrischen Zugbetrieb	Chapter 8.11.1.3
HGÜ-Stromrichter-ventile HVDC-thyristor valves	VDE 0553 Teil 1: 2016-07 DIN EN 60700-1: 2016-07 IEC 60700-1: 2017	Thyristorventile für Hochspannungsgleichstrom-Energieübertragung (HGÜ) – Teil 1: Elektrische Prüfung Thyristor valves for high voltage direct current (HVDC) power transmission – Part 1: Electrical testing	
	VDE 0553 Teil 100: 2018-01 DIN EN 61954: 2018-01 IEC 61954: 2017-04	Statische Blindleistungskompensatoren (SVC) – Prüfung von Thyristorventilen Static var compensators (SVC) – Testing of thyristor valves	

	VDE 0553-501: 2018-08 DIN EN 62501: 2018-08 IEC 62501: 2017	Ventile von Spannungszwischenkreis-Stromrichtern (VSC) für die Hochspannungsgleichstromübertragung (HGÜ) Elektrische Prüfung Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission - Electrical testing	
Geräte zum Betätigen, Prüfen, Abschranken, Arbeiten, an unter Spannung stehender Teile Geräte zum Erden, Kurzschließen Operating, detecting and safe-guarding devices for work on electrically energized systems Equipment for earthing, short-circuiting	VDE V 0681Teil 1: 2016-11 DIN VDE V 0681-1: 2016-11	Arbeiten unter Spannung - Geräte zum Betätigen und Prüfen mit Nennspannungen über 1 kV - Teil 1: Allgemeine Festlegungen	
	VDE V 0681 Teil 2: 2016-11 DIN VDE V 0681-2: 2016-11	Arbeiten unter Spannung - Geräte zum Betätigen und Prüfen mit Nennspannungen über 1 kV - Teil 2: Festlegungen für Schaltstangen	
	VDE V 0681 Teil 3: 2016-11 DIN VDE V 0681-3: 2016-11	Arbeiten unter Spannung - Geräte zum Betätigen und Prüfen mit Nennspannungen über 1 kV - Teil 3: Festlegungen für Sicherungszangen	
	VDE 0682 Teil 201: 2019-04 DIN EN 60900: 2019-04 IEC 60900: 2018-06	Arbeiten unter Spannung - Handwerkzeuge zum Gebrauch bis AC 1 000 V und DC 1 500 V Live working - Hand tools for use up to 1000 V a.c. and 1500 V d.c.	
	VDE 0682 Teil 551: 2003-09 DIN EN 61229: 2003-09 IEC 61229: 2002-06	Starre Schutzabdeckungen zum Arbeiten unter Spannung in Wechselspannungsanlagen Rigid protective covers for live working on a.c. installations	
	VDE 0682 Teil 552: 2003-10 DIN VDE 0682-552: 2003-10	Arbeiten unter Spannung - Isolierende Schutzplatten über 1 kV	
	VDE 0682 Teil 211: 2010-12 DIN EN 60832-1: 2010-12 IEC 60832-1: 2010-02	Arbeiten unter Spannung – Isolierende Stangen und auswechselbare Arbeitsköpfe – Teil 1: Isolierende Stangen Live working – Insulating sticks an attachable devices – Part 1: Insulating sticks	

	VDE 0682 Teil 212: 2010-12 DIN EN 60832-2: 2010-12 IEC 60832-2: 2010-02	Arbeiten unter Spannung – Isolierende Stangen und auswechselbare Arbeitsköpfe – Teil 2: Auswechselbare Arbeitsköpfe Live working – Insulating sticks and attachable devices – Part 2: Attachable devices	
	VDE 0682 Teil 411: 2010-09 DIN EN 61243-1: 2010-09 IEC 61243-1: 2009-04	Arbeiten unter Spannung - Spannungsprüfer – Teil 1: Kapazitive Ausführung für Wechselspannungen über 1 kV Live working - Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.	
	VDE 0682 Teil 412: 2003-09 DIN EN 61243-2: 2003-09 IEC 61243-2: 2002-06	Arbeiten unter Spannung - Spannungsprüfer – Resistive (ohmsche) Ausführung für Wechselspannungen von 1 kV bis 36 kV Live working - Voltage detectors – Part 2: Resistive type to be used for voltages of 1 kV to 36 kV a.c.	
	VDE 0683 Teil 100: 2009-07 DIN EN 61230: 2009-07 IEC 61230: 2008-07	Arbeiten unter Spannung – Ortsveränderliche Geräte zum Erden oder Erden und Kurzschliessen Live working – Portable equipment for earthing or earthing and short-circuiting	
	IEC 62193:2003 DIN EN 62193:2003	Arbeiten unter Spannung - Teleskopische Stangen und teleskopische Messstangen	
	IEC 61235:1993 DIN EN 61235:1995	Arbeiten unter Spannung - Isolierende hohle Rohre für elektrotechnische Zwecke	Chapter 8 & 9
	VDE 0683 Teil 200: 1995-01 DIN EN 61219: 1995-01 IEC 61219: 2000-05	Arbeiten unter Spannung – Erdungs- oder Erdungs- und Kurzschließvorrichtung mit Stäben als kurzschliessendes Gerät - Staberdung Live working - Earthing or earthing and short-circuiting equipment using lances as a short-circuiting device - Lance earthing	

Hochspannungs-prüftechnik High-voltage test techniques	VDE 0432 Teil 1: 2011-10 DIN IEC 60060-1: 2011-10 IEC 60060-1: 2010-11	Hochspannungs-Prüftechnik – Teil 1: Allgemeine Begriffe und Prüfbedingungen High voltage test techniques – Part 1: General definitions and test requirements	
	IEEE 4: 2013	IEEE Standard for High-Voltage Testing Techniques	
	CISPR TR 18/2: 2017	Radio interference characteristics of overhead power lines and high-voltage equipment - Part 2: Methods of measurement and procedure for determining limits	
	NEMA 107: 2016	Methods of Measurement of Radio Influence Voltage (RIV) of High-Voltage Apparatus	
	VDE 0432 Teil 9: 2003-06 DIN EN 60052: 2003-06 IEC 60052: 2002-10	Spannungsmessungen mit Standard-Luftfunkenstrecken Voltage measurement by means of standard air gaps	
	VDE 0434: 2020-02 DIN EN 60270: 2020-02 IEC 60270: 2015-11	Hochspannungs-Prüftechnik – Teilentladungsmessungen High-voltage test techniques – Partial discharge measurements	
	IEC 61180:2016	High-voltage test techniques for low-voltage equipment - Definitions, test and procedure requirements, test equipment	Chapter 6
Kabel und Garnituren Cables and their accessories	VDE 0604-202: 2016-11 DIN EN 61914: 2016-11 IEC 61914: 2015-11	Kabelhalter für elektrische Installationen Cable cleats for electrical installations	
	VDE 0278-393: 2015-10 DIN EN 50393: 2015-10 EN 50393: 2015	Prüfverfahren und Prüfanforderungen für die Garnituren von Verteilerkabeln mit einer Nennspannung von 0,6/1,0 (1,2) kV; Test methods and requirements for accessories for use on distribution cables of rated voltage 0,6/1,0 (1,2) kV;	

	IEC 61442: 2005-03	Test methods for accessories for power cables with rated voltages from 6 kV (Um=7,2 kV) up to 36 kV (Um=42 kV)	
	VDE 0278-629-1: 2019-11 DIN VDE 0278-629-1: 2019-11 HD 629.1 S3: 2019-03	Prüfanforderungen für Kabelgarnituren für Starkstromkabel mit einer Nennspannung von 3,6/ 6 (7,2) kV bis 20,8/ 36 (42) kV – Teil 1: Kabel mit extrudierter Kunststoffisolierung Test requirements on accessories for use on power cables of rated voltage from 3,6/6 (7,2) kV up to 20,8/36 (42) kV – Part 1: Cables with extruded insulation	
	VDE 0278-629-2: 2009-07 DIN VDE 0278-629-2: 2009-07 HD 629.1 S2: 2006 +A1:2008	Prüfanforderungen für Kabelgarnituren für Starkstromkabel mit einer Nennspannung von 3,6/ 6 (7,2) kV bis 20,8/ 36 (42) kV – Teil 2: Kabel mit massegetränkter Papierisolierung Test requirements on accessories for use on power cables of rated voltage from 3,6/6 (7,2) kV up to 20,8/36 (42) kV – Part 2: Cables with impregnated paper insulation	
	VDE 0276 Teil 620: 2018-04 DIN VDE 0276-620: 2018-04 HD 620 S2: 2010	Starkstromkabel –Energieverteilungskabel mit extrudierter Isolierung für Nennspannungen 3,6/ 6 (7,2) kV bis 20,8/ 36 (42) kV Power cables – Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV up to and including 20,8/36 (42) kV	
	VDE 0276 Teil 621: 1997-05 DIN VDE 0276-621: 1997-05 HD 621 S1: 1996	Starkstromkabel – Teil 621: Energieverteilungskabel mit getränkter Papierisolierung für Mittelspannung Medium voltage impregnated paper insulated distribution cables	
	VDE 0276 Teil 622: 2006-05 DIN VDE 0276-622: 2006-05 HD 622 S1: 1996 +A1:2000 +A2:2005	Starkstromkabel – Teil 622: Starkstromkabel mit Nennspannungen von 3,6/ 6 (7,2) kV bis 20,8/ 36 (42) kV mit verbessertem Verhalten im Brandfall für Kraftwerke Power cables – Power cables having rated voltages from 3,6/6 (7,2) kV up to and including 20,8/36 (42) kV with special fire performance for use in power stations	

	VDE 0276 Teil 632-3: 2013-05 DIN VDE 0276-632-3: 2013-05 HD 632 S1: 1998	Starkstromkabel mit extrudierter Isolierung und ihre Garnituren– Nennspannungen über 36 kV bis 150 kV Power cables with extruded insulation and their accessories for rated voltages above 36 kV (Um=42 kV) up to 150 kV (Um=170 kV)	
	VDE 0276 Teil 605: 2009-07 DIN VDE 0276-605: 2009-07 HD 605 S2: 2008	Starkstromkabel –Ergänzende Prüfverfahren Electric cables – Additional test methods	
	VDE 0481 Teil 230: 2018-10 DIN EN 60230: 2018-10 IEC 60230: 2018-01	Stoßspannungsprüfungen an Kabeln und Leitungen und deren Garnituren Impulse tests on cables and their accessories	
	VDE 0481 Teil 885-2: 2004-11 DIN EN 60885-2: 2004-11 IEC 60885-2: 1987-03	Elektrische Prüfverfahren für Starkstromkabel – Teil 2: Teilentladungsprüfungen Electrical test methods for electric cables – Part 2: Partial discharge tests	
	VDE 0481 Teil 885-3: 2015-11 DIN EN 60885-3: 2015-11 IEC 60885-3: 2015-04	Elektrische Prüfverfahren für Starkstromkabel – Teil 3: Prüfverfahren zur Teilentladungsmessung an Längen von extrudierten Kabeln Electrical test methods for electric cables – Part 3: Test methods for partial discharge measurements on lengths of extruded power cables	
	IEC 60055-2: 2005-02	Paper-insulated metal-sheathed cables for rated voltages up to 18/30 kV (with copper or aluminium conductors and excluding gas-pressure and oil-filled cables) – Part 2: General and construction requirements	
	IEC 60502-1: 2009-11	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)	

	IEC 60502-2: 2014-02	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 2: Cables for rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)	
	IEC 60502-4: 2010-12	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 4: Test requirements on accessories for cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)	
	IEC 60840: 2011-11	Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um = 36 kV) up to 150 kV (Um = 170 kV) - Test methods and requirements	
	IEC 62067: 2011-11,	Power cables with extruded insulation and their accessories for rated voltages above 150 kV (Um = 170 kV) up to 500 kV (Um = 550 kV) - Test methods and requirements	
	DIN IEC 62895 VDE 0276-2895: 2019-02 IEC 62895: 2017-05	Kabel zur Hochspannungs-Gleichstrom-Übertragung (HGÜ)- Kabel mit extrudierter Isolierung und ihre Garnituren für Nennspannungen bis 320 kV für Anwendungen an Land – Prüfverfahren und Anforderungen High voltage direct current (HVDC) power transmission – Cables with extruded insulation and their accessories for rated voltages up to 320 kV for land applications – Test methods and requirements	
	CIGRE TB 496: 2012-04	Recommendations for Testing DC Extruded Cable Systems for Power Transmission at a Rated Voltage up to 500 kV	
	IEC 61238-1:2003	Compression and mechanical connectors for power cables for rated voltages up to 30 kV (Um = 36 kV) - Part 1: Test methods and requirements	
	IEC TR 61901:2016	Tests recommended on cables with a longitudinally applied metal foil for rated voltages above 30 kV (Um = 36 kV) up to and including 500 kV (Um = 550 kV)	without chapter 4.1

	VDE 0888-100-24: 2015-03 DIN EN 60794-1-24:2015-03 IEC 60794-1-24: 2014	Lichtwellenleiterkabel -Teil 1-24: Fachgrundspezifikation - Grundlegende Prüfverfahren für Lichtwellenleiterkabel - Elektrische Prüfverfahren (IEC 60794-1-24:2014); Deutsche Fassung EN 60794-1-24:2014 Optical fibre cables - Part 1-24: Generic specification - Basic optical cable test procedures - Electrical test methods	
	IEEE Std. 1138 - 2009	IEEE Standard for Testing and Performance for Optical Ground Wire (OPGW) Use on Electric Utility Power Lines	