

Aktuelle Liste der im Geltungsbereich der Akkreditierung enthaltenen Prüfverfahren auf Grundlage der Anforderung der DAkkS-Regel R-17025-PL (Rev. 1.0)

Ausgabe dieser Liste:	30.10.2024
Ausgabe des letzten Geltungsbereichs der DAkkS-Akkreditierung:	13.03.2024

Änderungen gegenüber dem letzten Ausgabestand des Geltungsbereichs der DAkkS-Akkreditierung (Anlage zur Urkunde) sind in **blauer Schriftfarbe** wiedergegeben.

Gruppe <i>Testing field</i>	Norm / Version <i>Standard / Version</i>	Titel der Norm <i>Title of Standard</i>	Prüfbereich /Einschränkung <i>Test Range /Restrictions</i>
Allgemein / General			
	IEC 62271-1:2017	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear	
	IEC 62271-1 AMD 1:2021	High-voltage switchgear and controlgear – Part 1: Common specifications for alternating current switchgear and controlgear; Amendment 1	
	IEEE 4:2013	IEEE Standard for High-Voltage Testing Techniques	
	IEEE Std C37.20.2:2022	IEEE Standard for Metal-Clad Switchgear	
	IEEE Std C37.20.3:2023	IEEE Standard for Metal-Enclosed Interrupter Switchgear Rated above 1 kV AC up to and Including 48.3 kV AC	
	IEEE Std C37.100:1992	IEEE Standard Definitions for Power Switchgear	
	IEEE Std C37.100.1:2018	IEEE Standard of Common Requirements for High Voltage Power Switchgear Rated Above 1000 V	
	GOST 1516.3-96	Electrical equipment for a.c. voltages from 1 to 750 kV - Requirements for electric strength of insulation	
Leistungsschalter / Circuit-breakers			
	IEC 62271-100:2021	High-voltage switchgear and controlgear - Part 100: High-voltage alternating-current circuit-breakers	
	IEC 62271-101:2021	High-voltage switchgear and controlgear - Part 101: Synthetic testing	
	IEC 62271-108:2020	High-voltage switchgear and controlgear - Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages of 72,5 kV and above	
	IEC 62271-109:2019	High-voltage switchgear and controlgear - Part 109: Alternating-current series capacitor by-pass switches	
	IEC 62271-110:2023	High-voltage switchgear and controlgear - Part 110: Inductive load switching	

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	IEC 62271-111:2019 IEEE C 37.60:2019	High-voltage switchgear and controlgear - Part 111: Automatic circuit reclosers for alternating current systems up to and including 38 kV	
	DIN EN 50152-1:2013 VDE 0115-320-1:2013 BS EN 50152-1:2012+A1:2013 DIN EN 50152-1/A1:2014 VDE 0115-320-1/A1:2014	Bahnanwendungen. Ortsfeste Anlagen. Besondere Anforderungen an Wechselstrom-Schaltanlagen. Leistungsschalter mit einer Nennspannung größer als 1 kV	
	DIN EN 50152-2:2013 VDE 0115-320-2:2013 EN 50152-2:2012	Railway applications. Fixed installations. Particular requirements for alternating current switchgear. Disconnectors, earthing switches and switches with nominal voltage above 1 kV	
	IEC 60077-1:2017	Railway applications - Electric equipment for rolling stock - Part 1: General service conditions and general rules	
	IEC 60077-2:2017	Railway applications - Electric equipment for rolling stock - Part 2: Electrotechnical components - General rules	
	IEC 60077-4:2017	Railway applications - Electric equipment for rolling stock - Part 4: Electrotechnical components - Rules for AC circuit-breakers	
	IEC/TR 62271-300:2006	High-voltage switchgear and controlgear - Part 300: Seismic qualification of alternating current circuit-breakers	
	IEC/TR 62271-302:2010	High-voltage switchgear and controlgear - Part 302: Alternating current circuit-breakers with intentionally non-simultaneous pole operation	
	IEC/TR 62271-310:2008	High-voltage switchgear and controlgear - Part 310: Electrical endurance testing for circuit-breakers a rated voltage 52 kV	
	IEEE C37.04:2018	IEEE Standard for Ratings and Requirements for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V	
	IEEE Std C37.06.1:2017	IEEE Recommended Practice for Preferred Ratings for High-Voltage (>1000 volts) AC Circuit Breakers Designated Definite Purpose for Fast Transient Recovery Voltage Rise Times	
	IEEE Std C37.09:2018	IEEE Standard Test Procedures for AC High-Voltage Circuit Breakers with Rated Maximum Voltage Above 1000 V	
	IEEE Std C37.010:2016	IEEE Guide for AC High-Voltage Circuit Breakers > 1000 Vac Rated on a Symmetrical Current Basis	

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	IEEE Std C37.011:2019	IEEE Guide for the Application of Transient Recovery Voltage for AC High-Voltage Circuit Breakers with Rated Maximum Voltage above 1000 V	
	IEEE Std. C37.012:2022	IEEE Guide for the Application of Capacitive Current Switching for AC High-Voltage Circuit Breakers Above 1000 V	
	IEC/IEEE 62271-37-013:2021	Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 37-013: Wechselstrom-Generatorschalter	
	IEEE Std C37.015:2017	IEEE Application Guide for Shunt Reactor Switching	
	IEEE Std C37.016:2018	AC high-voltage circuit switchers rated 15.5 kV through 245 kV	
	IEEE Std C37.11:2022	IEEE Standard Requirements for Electrical Control for AC High-Voltage (>1000 V) Circuit Breakers	
	ANSI C37.54:2023	Standard for Alternating Current High-Voltage Circuit Breakers Applied in Metal-Enclosed Switchgear - Conformance Test Procedures	
	CSA C22.2 No. 31:2023	Switchgear assemblies	
	GOST R 52565-2006	Alternating-current circuit-breakers for voltages from 3 to 750 kV. General specifications	
	IEC 62146-1:2013 IEC 62146-1 AMD1:2016	Grading capacitors for high-voltage alternating current circuit-breakers - Part 1: General	
Lastschalter / Switches			
	IEC 62271-103:2021	High-voltage switchgear and controlgear - Part 103: Alternating current switches for rated voltages above 1 kV up to and including 52 kV	
	IEC 62271-104:2020	High-voltage switchgear and controlgear - Part 104: Alternating current switches for rated voltages higher than 52 kV	
	IEC 62271-105:2021	High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV	
Schütze und Motorstarter / Contactors and motorstarters			
	IEC 62271-106:2021	High-voltage switchgear and controlgear - Part 106: Alternating current contactors, contactor-based controllers and motor-starters	
	UL347:2020 CSA C22.2 No. 253-20:2020 NMX-J-564/106-ANCE:2020	Medium-voltage AC contactors, controllers, and control centers	

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Trenn- und Erdungsschalter / Disconnectors and earthing switches			
	IEC 62271-102:2018	High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches	
	IEC 62271-102 AMD1:2022	Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 102: Wechselstrom-Trennschalter und -Erdungsschalter	
	IEEE C37.30.1:2011	IEEE Standard Requirements for AC High-Voltage Air Switches Rated Above 1000 V	
	IEEE C37.41:2016	IEEE Standard Design Tests for High-Voltage (>1000 V) Fuses and Accessories	
	GOST R 52726-2007	Alternating current disconnectors and earthing switches for voltage above 1 kV and operating mechanisms for them. General specifications	
Schaltanlagen / Switchgear and controlgear			
	IEC 62271-200:2021	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	
	IEC 62271-200 AMD1:2024	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	
	IEC 62271-201:2014	Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 201: Isolierstoffgekapselte Wechselstrom-Schaltanlagen für Bemessungsspannungen über 1 kV bis einschließlich 52 kV	
	IEC 62271-203:2022	Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 203: Gasisolierte metallgekapselte Schaltanlagen für Bemessungsspannungen über 52 kV	
	IEC 62271-205:2008	High-voltage switchgear and controlgear - Part 205: Compact switchgear assemblies for rated voltages above 52 kV	
	IEC 62271-209:2019	High-voltage switchgear and controlgear - Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV - Fluid-filled and extruded insulation cables - Fluid- filled and dry-type cable terminations	
	IEC 62271-209 AMD1:2022	High-voltage switchgear and controlgear - Part 209: Cable connections for gas-insulated metal-enclosed switchgear for rated voltages above 52 kV - Fluid-filled and extruded insulation cables - Fluid- filled and dry-type cable terminations	

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	IEC 62271-211:2014 CORRIGENDUM 1: 2015 CORRIGENDUM 2: 2017	Hochspannungs-Schaltgeräte und - Schaltanlagen - Teil 211: Direkte Verbindungen zwischen Leistungstransformatoren und gasisolierten metallgekapselten Schaltanlagen für Bemessungsspannungen über 52 kV	
	IEEE Std C37.122:2021	IEEE Standard for High-Voltage Gas- Insulated Substations Rated Above 52 kV	
	IEEE Std C37.122.1:2014	IEEE Guide for Gas-Insulated Substations Rated Above 52 kV	
	GOST R 54828-2011	Gas-insulated metal-enclosed switchgear for nominal voltages above 110 kV. General technical specification	
Überspannungsschutzgeräte / Surge arresters			
	DIN EN 50526-1:2012 VDE 0115-526-1:2012 EN 50526-1:2012	Railway applications - Fixed installations - D.C. surge arresters and voltage limiting devices - Part 1: Surge arresters; German version EN 50526-1:2012	
	DIN EN 60099-1:2000 VDE 0675-1:2000 EN 60099-1:1994 + AMD1:1999	Surge arresters - Part 1: Non-linear resistor type gapped surge arresters for a.c. systems	
	IEC 60099-4:2014	Überspannungsableiter - Teil 4: Metalloxidableiter ohne Funkenstrecken für Wechselspannungsnetze	
	GB/T 11032-2020	Metal-oxide surge arresters without gaps for a.c. systems	
	IEC 60099-8:2017	Surge arresters - Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV	
	IEC 60099-9:2014	Surge arresters - Part 9: Metal-oxide surge arresters without gaps for HVDC converter stations	
	IEEE Std C62.11:2020	IEEE Standard for Metal-Oxide Surge Arresters for AC Power Circuits (>1 kV)	
	CIGRE WG 33/14- 05:1989	Application Guide for Metal oxide Arresters without gaps for HVDC Converter Stations	
	GOST R 52725-2007	Surge arresters for a.c. electrical installations for voltage from 3 kV to 750kV. General specifications	
Übertragungsleitungen / Transmission lines			
	IEC 62271-204:2022	Hochspannungs-Schaltgeräte und - Schaltanlagen - Teil 204: Starre gasisierte Übertragungsleitungen für Bemessungsspannungen über 52 kV	
	IEC 60353:1989 IEC 60353 AMD1: 2002	Line traps for a.c. power systems	
	IEC 61284:1997	Overhead lines - Requirements and tests for fittings	

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	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	
	IEC 60358-1:2012	Coupling capacitors and capacitor dividers - Part 1: Common clauses	
Transformatoren, Drosselspulen / Transformers, Reactors			
	IEC 60076-6:2007	Power transformers - Part 6: Reactors	
Strom- und Spannungswandler / Instrument transformers			
	IEC 61869-1:2023	Instrument transformers - Part 1: General requirements	
	IEC 61869-2:2012	Instrument transformers - Part 2: Additional requirements for current transformers	
	IEC 60044-7:1999	Messwandler - Teil 7: Elektronische Spannungswandler	
	IEC 60044-8:2002	Messwandler - Teil 8: Elektronische Stromwandler	
	IEEE Std C57.13:2016	IEEE Standard Requirements for Instrument Transformers	
Isolierkörper, Durchführungen / Insulators, Bushings			
	IEC 60383-1:2023	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	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 60137:2017	Insulated bushings for alternating voltages above 1000 V	
	IEC 60168:1994 IEC 60168 AMD1:1997 IEC 60168 AMD2:2000	Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1000 V	
	IEC 61109:2008	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 62217:2012	Polymeric HV insulators for indoor and outdoor use - General definitions, test methods and acceptance criteria	
	IEC 60437:2023	Radio interference test on high-voltage insulators	
	IEC 62155:2003	Druckbeanspruchte und drucklose Hohlisolatoren aus keramischem Werkstoff und Glas für Anwendungen in elektrischen Betriebsmitteln mit Nennspannungen über 1000 V	

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	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	
	IEC/TS 60815-2:2008	Selection and dimensioning of high-voltage insulators intended for use in polluted conditions - Part 2: Ceramic and glass insulators for a.c. systems	
	DIN 48113:1973	Post insulators for switchgears and substation with nominal voltages greater than 1000 V; co-ordination of the definitions for mechanical bending strength	
	IEC 62231:2006	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 62231-1:2015	Composite station post insulators for substations with AC voltages greater than 1000 V up to 245 kV - Part 1: Dimensional, mechanical and electrical characteristics	
	IEC 61952:2008	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 61462:2023	Verbundhohlisolatoren - Druckbeanspruchte und drucklose Isolatoren für den Einsatz in elektrischen Betriebsmitteln mit Bemessungsspannungen über 1000 V - Begriffe, Prüfverfahren, Annahmekriterien und Konstruktionsempfehlungen	
	ANSI C29.1:2018	Test Methods for Electrical Power Insulators	
	ANSI C29.11:2020	Composite Insulators - Test Methods	
	ANSI C29.12:2020	Insulators - Composite-Suspension Type	
	ANSI C29.13:2018	Composite Insulators Distribution Deadend Type	
	ANSI C29.17:2023	Composite Insulators - Distribution Line Post Type	
Hochspannungsprüftechnik / High-voltage test techniques			
	IEC 60060-1:2010	High-voltage test techniques - Part 1: General definitions and test requirements	
	IEC 60060-2:2010	High-voltage test techniques - Part 2: Measuring systems	
	IEC 60270:2000 IEC 60270 AMD1:2015	High-voltage test techniques - Partial discharge measurements	
	IEEE C37.301:2009	IEEE Standard for High-Voltage Switchgear (Above 1000 V) Test Techniques—Partial Discharge Measurements	

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Mechanische Prüfungen, Umwelt- und Schutzprüfungen / Mechanical testings, environment- and guardtesting			
	IEC 60068-2-14:2023	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	
	IEC 60068-2-17:2023	Environmental testing - Part 2-17: Tests - Test Q: Sealing	
	IEC 60529:1989 IEC 60529 AMD1:1999 IEC 60529 AMD2:2013	Degrees of protection provided by enclosures (IP code)	
	ISO 3744:2010	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane	
	DIN 45635-1:1984	Measurement of noise emitted by machines; airborne noise emission; enveloping surface method; basic method, divided into 3 grades of accuracy	
	DIN 45635-12:1978	Measurement of noise emitted by machines; Airborne noise measurement, enveloping surface method; Electrical switchgear and control gear	
	IEC/IEEE 62271-37- 082:2012 IEEE 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	

Hinweise:	
1.	Angegeben sind ausschließlich offizielle Versionen von Dokumenten der Herausgeber (IEC, IEEE, usw.).
2.	Im Rahmen der Flexibilisierung können ggf. auch abweichende Ausgabestände von Normen als Grundlage für Prüfungen angewendet werden. Auf Anfrage kann eine entsprechende Detailprüfung erfolgen.