

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-12059-01-03 according to DIN EN ISO/IEC 17025:2018

Valid from:	14.07.2023	Valid to:	13.07.2028
Date of issue:	14.07.2023		

This annex is a part of the accreditation certificate D-PL-12059-01-00.

Holder of partial accreditation certificate:

**TÜV Rheinland Japan Ltd.
Yokohama Laboratories
Global Technology Assessment Center
4-25-2 Kita-Yamata, Tsuzuki-ku, YOKOHAMA 224-0021, JAPAN**

The testing laboratory meets the minimal requirements of DIN EN ISO/IEC 17025:2018 and, if applicable, additional legal and normative requirements, including those in relevant sectoral schemes, in order to carry out the conformity assessment activities listed below.
The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

Safety of electrical appliances, Analogue Network Access, Acoustics, WiFi, OpenADR, Active Medical Devices

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAKkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation. The testing laboratory maintains a current list of all testing procedures within the flexible scope of accreditation.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

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Department	Standard / in house procedure / Version	Title of standard or in house procedure (deviations / modifications of standard)	Test area / reductions
Product Safety	EN 41003:2008-11 DIN EN 41003: 2009-04 VDE 0804-100:2009-04	Particular safety requirements for equipment to be connected to telecommunication networks and/or a cable distribution system.	
Product Safety	EN 50332-1:2013 DIN EN 50332-1:2014-08	Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General method for "one package equipment".	
Product Safety	EN 50332-2:2013 DIN EN 50332-2:2014-03	Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 2: Matching of sets with headphones if either or both are offered separately.	
Product Safety	IEC 62852:2014+A1:2020 EN 62852:2015 + AC:2019 +A1:2020 DIN EN 62852 (VDE 0126-300):2015 + A1:2019	Connectors for photovoltaic systems - Safety requirements and tests.	
Product Safety	EN IEC 62790:2020 IEC 62790:2020 EN 62790:2015 DIN EN 62790:2016 DIN EN IEC 62790:2021	Junction boxes for photovoltaic modules.	
Product Safety	IEC 60034-1: 2022 IEC 60034-1:2017-05 EN 60034-1:2010 + AC:2010 DIN EN 60034-1:2015-02 VDE 0530-1:2015-02	Rotating electrical machines - Part 1: Rating and performance.	Limitation: Maximum rated voltage: 1000 V Maximum electrical rated power: 50 kW.
Product Safety	EN IEC 60034-5:2020 DIN EN IEC 60034-5:2020	Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification	

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Product Safety	IEC 60034-11:2020 IEC 60034-11:2004 EN 60034-11:2004 DIN EN 60034-11:2005	Rotating electrical machines - Part 11: Thermal protection	
Product Safety	IEC 60065:2014 EN60065:2014 DIN EN 60065:2016-05 VDE 0860:2016-05 AS/NZS 60065	Audio, video and similar electronic apparatus - Safety requirements.	
Product Safety	IEC 60204-1:2016+A1 EN 60204-1:2018	Safety of machinery - electrical equipment of machines - Part 1: General requirements.	
Product Safety	IEC 60335-1:2020-09 EN 60335-1:2020 DIN EN 60335-1:2020- 08 VDE 0700-1:2020-08	Household and similar electrical appliances - Safety - Part 1: General requirements.	
Product Safety	IEC 60335-2-2:2019 EN 60335-2-2:2010 + A1:2013 DIN EN 60335-2-2 VDE 0700-2	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances.	
Product Safety	IEC 60335-2-8:2022 EN 60335-2-8:2015 A1:2016 DIN EN 60335-2- 8:2016-08 VDE 0700-8:2016-08	Household and similar electrical appliances - Safety - Part 2-8: Particular requirements for shavers, hair clippers and similar appliances.	
Product Safety	IEC 60335-2-9:2019 EN 60335-2-9:2003 + A1:2004 + A2:2006 + A12:2007 + A13:2010 DIN EN 60335-2-9 VDE 0700-9	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances.	
Product Safety	IEC 60335-2-13:2021 EN 60335-2-13:2010 + A11:2012 +A1:2019 DIN EN 60335-2-13 VDE 0700-13	Household and similar electrical appliances - Safety - Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances.	

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Product Safety	IEC 60335-2-14:2016 + A1:2019 EN 60335-2-14:2006 + A1:2008 + A11:2012 DIN EN 60335-2-14 VDE 0700-14	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines.	
Product Safety	IEC 60335-2-15:2012 + A2:2018 EN 60335-2-15: 2016+A11:2018 DIN EN 60335-2-15 VDE 0700-15	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids.	
Product Safety	IEC 60335-2- 23:2016/AMD1:2019 EN 60335-2-23:2003 + A1:2008 + A11:2010 +A2:2015 DIN EN 60335-2-23 VDE 0700-23	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care.	
Product Safety	IEC 60335-2-24:2020 EN 60335-2-24:2010/ +A1:2019+ A2:2019+A11:2020 DIN EN 60335-2-24 VDE 0700-24	Household and similar electrical appliances - Safety Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers.	
Product Safety	IEC 60335-2-28:2021 EN 60335-2-28:2003 + A1:2008+ A11:2018 DIN EN 60335-2-28 VDE 0700-28	Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines.	
Product Safety	IEC 60335-2-29:2016 + A1:2019 EN 60335-2- 29:2021+A1:2021 DIN EN 60335-2-29 VDE 0700-29	Household and similar electrical appliances - Safety - Part 2-29: Particular requirements for battery chargers.	
Product Safety	IEC 60335-2-30:2009/ AMD2:2021 EN 60335-2-30:2009/ A1:2020 A2:2022 DIN EN 60335-2-30 VDE 0700-30	Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters.	

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Product Safety	IEC 60335-2-32:2019 EN IEC 60335-2-32:2021 DIN EN 60335-2-32:2015-07 VDE 0700-32:2015-07	Household and similar electrical appliances - Safety - Part 2-32: Particular requirements for massage appliances.	
Product Safety	IEC 60335-2-40:2022 EN 60335-2-40:2003 + A11:2004 + A12:2005 + A1:2006 + A2:2009 + A13:2012 DIN EN 60335-2-40 VDE 0700-40	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air conditioners and dehumidifiers.	
Product Safety	IEC 60335-2-44:2021 EN 60335-2-44:2002 + A1:2008 + A2:2012 DIN EN 60335-2-44 VDE 0700-44	Household and similar electrical appliances - Safety - Part 2-44: Particular requirements for ironers.	
Product Safety	IEC 60335-2-45:2002 + A1:2008 + A2:2011 EN 60335-2-45:2002 + A1:2008 + A2:2012 DIN EN 60335-2-45 VDE 0700-45	Household and similar electrical appliances - Safety - Part 2-45: Particular requirements for portable heating tools and similar appliances.	
Product Safety	IEC 60335-2-55:2021 EN 60335-2-55:2003/ A11:2018 DIN EN 60335-2-55 VDE 0700-55	Household and similar electrical appliances - Safety - Part 2-55: Particular requirements for electric appliances for use with aquariums and garden ponds.	
Product Safety	IEC 60335-2-56:2002 + A1:2008 + A2:2014 EN 60335-2-56:2003 + A1:2008 + A2:2014 DIN EN 60335-2-56 VDE 0700-56	Household and similar electrical appliances - Safety - Part 2-56: Particular requirements for projectors and similar appliances.	
Product Safety	IEC 60335-2-75:2012 + A2:2018 EN 60335-2-75:2004 + A1:2005 + A11:2006 + A2:2008 + A12:2010 DIN EN 60335-2-75 VDE 0700-75	Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines.	

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Product Safety	IEC 60335-2-80:2015 EN 60335-2-80:2003 + A1:2004 + A2:2009 DIN EN 60335-2-80 VDE 0700-80	Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans.	
Product Safety	IEC 60335-2-82:2017/ AMD1:2020 EN 60335-2-82:2003 + A2:2020 DIN EN 60335-2-82 VDE 0700-82	Household and similar electrical appliances - Safety - Part 2-82: Particular requirements for amusement machines and personal service machines.	
Product Safety	IEC 60335-2-84:2019 EN 60335-2-84:2003 + A2:2019 DIN EN 60335-2-84 VDE 0700-84	Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilets.	
Product Safety	IEC 60335-2-85:2002 + A1:2008 + A2:2017 EN 60335-2-85:2003 + A2:2020 DIN EN 60335-2-85 VDE 0700-85	Household and similar electrical appliances - Safety - Part 2-85: Particular requirements for fabric steamers.	
Product Safety	IEC 60335-2-89:2019 EN 60335-2-89:2010 + A2:2017 DIN EN 60335-2-89 VDE 0700-89	Household and similar electrical appliances - Safety - Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor.	
Product Safety	IEC 60335-2-102:2017 EN 60335-2-102:2016 DIN EN 60335-2-102 VDE 0700-102	Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections.	
Product Safety	IEC 60335-2-106:2021 EN 60335-2-106:2008 DIN EN 60335-2-106 VDE 0700-106	Household and similar electrical appliances - Safety - Part 2-106: Particular requirements for heated carpets and for heating units for room heating installed under removable floor coverings.	

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Product Safety	IEC 60529:2013-08 EN 60529:1991-10 + A1: 2000-02 DIN EN 60529:2000-09 + A1:2010-04 VDE 0470-1:2000-09 + A1:2010-04	Degrees of protection provided by enclosures (IP Code).	
Product Safety	IEC 60598-1:2020-08 EN 60598-1:2021-03 DIN EN 60598-1:2020- 08 VDE 0711-1:2015 + A1:2016	Luminaires - Part 1: General requirements and tests.	
Product Safety	IEC 60598-2-1:2020-01 EN 60598-2-1:2021-05 DIN EN 60598-2- 1:2021-11 VDE 0711-201	Luminaires - Part 2: Particular requirements; Section One: Fixed general purpose luminaires.	
Product Safety	IEC 60598-2-2:2011 EN 60598-2-2:2012 DIN EN 60598-2-2 VDE 0711-202	Luminaires - Part 2: Particular requirements; Section 2: Recessed luminaires.	
Product Safety	IEC 60598-2-4:2017-04 EN 60598-2-4:2018-03 DIN EN 60598-2-4 VDE 0711-2-4	Luminaires - Part 2: Particular requirements; Section 4: Portable general purpose luminaires.	
Product Safety	IEC 60598-2-6:1994 + A1:1996 EN 60598-2-6:1994 + A1:1997 DIN EN 60598-2-6 VDE 0711-206	Luminaires - Part 2: Particular requirements; Section 6: Luminaires with built-in transformers for filament lamps.	
Product Safety	IEC 60598-2-8:2013-04 EN 60598-2-8:2013-06 DIN EN 60598-2- 8:2014-03 VDE 0711-2-8	Luminaires - Part 2-8: Particular requirements - Handlamps.	
Product Safety	IEC 60598-2-10:2003 EN 60598-2-10:2003 DIN VDE 711-2-10 VDE 0711-2-10	Luminaires - Part 2-10: Particular requirements - Portable luminaires for children.	

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Product Safety	IEC 60598-2-20:2014 EN 60598-2-20:2015 DIN EN 60598-2-20 VDE 0711-2-20	Luminaires - Part 2-20: Particular requirements - Lighting chains.	
Product Safety	IEC 60601-1:2005 + A1:2012 IEC 60601-1:2005/AMD2 EN 60601-1:2006 + A1:2013 + A12 :2014+A2 :2021 DIN EN 60601-1:2013-12 VDE 0750-1:2013-12	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.	
Product Safety	IEC 60601-1-1:2000 EN 60601-1-1:2001 DIN EN 60601-1-1:2002-08 VDE 0750-1-1:2002-08	Medical electrical equipment - Part 1-1: General requirements for safety - Collateral standard: Safety requirements for medical electrical systems.	
Product Safety	IEC 60601-1-3:2008 + A1:2013 IEC 60601-1-3:2008/A2:2021 EN 60601-1-3:2008 + A1:2013 EN 60601-1-3:2008/A2:2021 DIN EN 60601-1-3:2014-06 VDE 0750-1-3:2014-6	Medical electrical equipment - Part 1-3: General requirements for basic safety and essential performance - Collateral Standard: Radiation protection in diagnostic X-ray equipment.	
Product Safety	IEC 60601-1-4:1996 + A1:1999 EN 60601-1-4:1996+A1:1999 DIN EN 60601-1-4:2001-04 VDE 0750-1-4:2001-04	Medical electrical equipment - Part 1-4: General requirements for safety - Collateral Standard: Programmable electrical medical systems.	

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Product Safety	IEC 60601-1-6:2010 + A1:2013 IEC 60601-1- 6:2010/A2:2020 EN 60601-1-6:2010 EN 60601-1- 6:2010/A1:2015 EN 60601-1- 6:2010/A2:2021 DIN EN 60601-1- 6:2010-10 + A1:2012- 07 DIN EN 60601-1- 6:2016-02 VDE 0750-1-6:2010-10 + A1:2012-07 VDE 0750-1-6:2016-02	Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability.	
Product Safety	IEC 60601-1-8:2006 + A1:2012 IEC 60601-1- 8:2006/A2:2020 EN 60601-1-8:2007 + A1:2013 EN 60601-1- 8:2007/A2:2021 DIN EN 60601-1- 8:2008-02 + A1:2011- 01 VDE 0750-1-8:2008-02 + A1:2011-01 DIN EN 60601-1- 8:2021-12 VDE 0750-1-8:2021-12	Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems.	

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Product Safety	IEC 60601-1-9:2007 IEC 60601-1-9:2007/A1:2013 IEC 60601-1-9:2007/A2:2020 EN 60601-1-9:2008 EN 60601-1-9:2008/A1:2013 EN 60601-1-9:2008/A2:2020 DIN EN 60601-1-9:2021-05 VDE 0750-1-9:2021-05	Medical electrical equipment - Part 1-9: General requirements for basic safety and essential performance - Collateral Standard: Requirements for environmentally conscious design	
Product Safety	IEC 60601-1-11:2015 IEC 60601-1-11:2015/A1:2020 EN 60601-1-11:2015 EN 60601-1-11:2015/A1:2021 DIN EN 60601-1-11:2021-12 VDE 0750-1-11:2021-12	Medical electrical equipment - Part 1-11: General requirements for basic safety and essential performance - Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment	
Product Safety	IEC 60601-2-2:2017 IEC 60601-2-2:2017/A1:2023 EN 60601-2-2:2018 DIN EN 60601-2-2:2010-01 VDE 0750-2-2:2010-01 DIN EN IEC 60601-2-2:2018-12 VDE 0750-2-2:2018-12	Medical electrical equipment - Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories.	

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Product Safety	IEC 60601-2-4:2010 + A1:2018 EN 60601-2-4:2011 EN 60601-2-4:2011/A1:2019 DIN EN 60601-2-4:2012-05 VDE 0750-2-4:2012-05 DIN EN 60601-2-4:2021-09 VDE 0750-2-4:2021-09	Medical electrical equipment - Part 2-4: Particular requirements for basic safety and essential performance of cardiac defibrillators.	
Product Safety	IEC 60601-2-5:2009 EN 60601-2-5:2015 DIN IEC 60601-2-5:2015 VDE 0750-2-5: 2016-08	Medical electrical equipment - Part 2-5: Particular requirements for basic safety and essential performance of ultrasonic physiotherapy equipment.	
Product Safety	IEC 60601-2-7:1998 EN 60601-2-7:1998 DIN EN 60601-2-7:2000-03 VDE 0750-2-7: 2000-03	Medical electrical equipment - Part 2-7: Particular requirements for the safety of high-voltage generators of diagnostic X-ray generators.	
Product Safety	IEC 60601-2-10:2012 + A1:2016 IEC 60601-2-10:2012/A2:2023 EN 60601-2-10:2015 EN 60601-2-10:2015/A1:2016 DIN EN 60601-2-10 VDE 0750-2-10:2017-09	Medical electrical equipment - Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators.	
Product Safety	ISO 80601-2-12:2020 EN 60601-2-12:2006 DIN EN ISO 80601-2-12:2012-02 VDE 0750-2-12:2012-02 DIN EN ISO 80601-2-12 VDE 0750-2-12:2020-07	Medical electrical equipment - Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators	

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Product Safety	IEC 60601-2-16:2018 EN 60601-2-16:2015 DIN EN 60601-2- 16:2016-02 VDE 0750-2-16:2016- 02 DIN EN IEC 60601-2-16 VDE 0750-2-16:2020- 05	Medical electrical equipment - Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment.	
Product Safety	IEC 60601-2-18:2009 EN 60601-2-18:2015 DIN EN 60601-2- 18:2016 VDE 0750-2-18:2016- 10	Medical electrical equipment - Part 2-18: Particular requirements for the basic safety and essential performance of endoscopic equipment.	
Product Safety	IEC 60601-2-22:2019 EN 60601-2-22:2020 DIN EN 60601-2- 22:2022 VDE 0750-2-22:2022	Medical electrical equipment - Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment.	
Product Safety	IEC 60601-2-24:2012 EN 60601-2-24:2015 DIN EN 60601-2- 24:2016-04 VDE 0750-2-24:2016- 04	Medical electrical equipment - Part 2-24: Particular requirements for basic safety and essential performance of infusion pumps and controllers.	
Product Safety	IEC 60601-2-25:2011 EN 60601-2-25:2015 DIN IEC 60601-2- 25:2016-08 VDE 0750-2-25:2016- 08	Medical electrical equipment - Part 2-25: Particular requirements for basic safety and essential performance of electrocardiographs.	
Product Safety	IEC 60601-2-27:2011 EN 60601-2-27:2014 DIN IEC 60601-2-27 VDE 0750-2-27:2015- 04	Medical electrical equipment - Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment.	

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Product Safety	IEC 60601-2-28:2017 EN 60601-2-28:2010 DIN EN 60601-2- 28:2010-11 VDE 0750-2-28:2010- 11 DIN EN IEC 60601-2-28 VDE 0750-2-28:2020- 08	Medical electrical equipment - Part 2-28: Particular requirements for basic safety and essential performance of X-ray tube assemblies for medical diagnosis.	
Product Safety	IEC 80601-2-30:2018 EN 80601-2-30:2019 EN 80601-2- 30:2010/A1:2015 DIN EN 80601-2-30: 2011-05 VDE 0750-2-30:2011- 05 DIN EN IEC 80601-2-30 VDE 0750-2-30:2020- 03	Medical electrical equipment - Part 2-30: Particular requirements for the basic safety and essential performance of automated non- invasive sphygmomanometers.	
Product Safety	IEC 60601-2-33:2010 + A1:2013 + A2:2015 IEC 60601-2-33:2022 EN 60601-2-33 + A1:2015 + A2:2015 DIN EN 60601-2- 33:2017-11 VDE 0750-2-33:2017- 11	Medical electrical equipment - Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis.	
Product Safety	IEC 60601-2-34:2011 EN 60601-2-34:2014 DIN IEC 60601-2- 34:2008-01 VDE 0750-2-34:2008- 01 DIN EN 60601-2-34 VDE 0750-2-34:2015- 01	Medical electrical equipment - Part 2-34: Particular requirements for the basic safety and essential performance of invasive blood pressure monitoring equipment.	

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Product Safety	IEC 60601-2-37:2007 + A1:2015 EN 60601-2-37:2008 + A11:2011 + A1:2015 DIN EN 60601-2-37:2016-11 VDE 0750-2-37:2016-11	Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment.	
Product Safety	IEC 60601-2-41:2009 + A1:2013 IEC 60601-2-41:2021 EN 60601-2-41:2009 + A11:2011 + A1:2015 EN 60601-2-41:2021	Medical electrical equipment - Part 2-41: Particular requirements for the basic safety and essential performance of surgical luminaires and luminaires for diagnosis.	
Product Safety	IEC 60601-2-43:2010 + A1:2017 IEC 60601-2-43:2010/ A2:2019 IEC 60601-2-43:2022 EN 60601-2-43:2023 DIN EN 60601-2-43:2011-03 VDE 0750-2-43:2011-03	Medical electrical equipment - Part 2-43: Particular requirements for basic safety and essential performance of X-ray equipment for interventional procedures.	
Product Safety	IEC 60601-2-44:2009 + A1:2012 + A2:2016 EN 60601-2-44:2009 + A11:2011 + A1:2012 + A2:2016 DIN EN 60601-2-44:2017-03 VDE 0750-2-44:2017-03	Medical electrical equipment - Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography.	

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Product Safety	IEC 60601-2-45:2011 + A1:2015 IEC 60601-2-45:2011/A2:2022 EN 60601-2-45:2011 + A1:2015 DIN EN 60601-2-45:2017-01 VDE 0750-2-45:2017-01	Medical electrical equipment - Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices.	
Product Safety	IEC 80601-2-49:2018 EN 60601-2-49 :2019 DIN EN IEC 80601-2-49 VDE 0750-2-49:2020-10	Medical electrical equipment - Part 2-49: Particular requirements for the basic safety and essential performance of multifunction patient monitors.	
Product Safety	IEC 60601-2-50:2009 + A1:2016 EN 60601-2-50:2009 + A11:2011 + A1:2016 DIN EN 60601-2-50:2010 +A11:2012 VDE 0750-2-50: 2010+A11:2012 IEC 60601-2-50:2020 EN 60601-2-50:2021 DIN EN 60601-2-50:2022 VDE 0750-2-50:2022	Medical electrical equipment - Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment.	
Product Safety	IEC 60601-2-52:2009 + A1:2015 EN 60601-2-52:2010 + A1:2015 DIN EN 60601-2-52:2010-12 VDE 0750-2-52:2010-12	Medical electrical equipment - Part 2-52: Particular requirements for the basic safety and essential performance of medical beds	

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Product Safety	IEC 60601-2-54:2009 + A1:2015 IEC 60601-2-54:2009/A2:2018 IEC 60601-2-54:2022EN 60601-2-54:2009 + A1:2015 + A2:2019 DIN EN 60601-2-54:2016-07 VDE 0750-2-54:2016-07	Medical electrical equipment - Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy.	
Product Safety	IEC 60601-2-63:2012 + A1:2017 IEC 60601-2-63:2012/A2:2021 EN 60601-2-63:2015 EN 60601-2-63:2015/A2:2021 DIN EN 60601-2-63:2016-11 VDE 0750-2-63:2016-11 DIN EN 60601-2-63 VDFE 0750-2-63:2020-09	Medical electrical equipment - Part 2-63: Particular requirements for the basic safety and essential performance of dental extra-oral X-ray equipment.	
Product Safety	IEC 60601-2-65:2012 + A1:2017 IEC 60601-2-65:2012/A2:2021 EN 60601-2-65:2013 EN 60601-2-65:2013/A1:2020 EN 60601-2-65:2013/A2:2021 DIN EN 60601-2-65:2016-11 VDE 0750-2-65:2016-11 DIN EN 60601-2-65 VDE 0750-2-65:2021-01	Medical electrical equipment - Part 2-65: Particular requirements for the basic safety and essential performance of dental intra-oral X-ray equipment.	

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Product Safety	IEC 80601-2-60:2012 EN 80601-2-60:2015 IEC 80601-2-60:2019 DIN EN IEC 80601-2-60 VDE 0750-2-60:2021-09	Medical electrical equipment - Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment	
Product Safety	ISO 7494-1:2011	Dentistry - Dental units - Part 1: General requirements and test methods	
Product Safety	ISO 7494-1:2018	Dentistry-Stationary dental units and dental patient chairs - Part 1: General requirements	
Product Safety	ISO 14457:2012	Density-Handpieces and motors	
Product Safety	ISO 14457:2017	Density-Handpieces and motors	
Product Safety	IEC 60704-1:2021 EN 60704-1:2010-03 + A11:2012-11 DIN EN 60704-1:2012-11 + A11:2013-10	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 1: General requirements	
Product Safety	IEC 60747-5-1:2002 EN 60747-5-1:2001 + A1:2002 + A2:2002 DIN EN 60747-5-1:2003-01 VDE 0884-1:2003-01	Discrete semiconductor devices and integrated circuits - Part 5-1: Optoelectronic devices - General.	
Product Safety	IEC 60747-5-3:2009 EN 60747-5-3:2001 + A1:2002 DIN EN 60747-5-3:2003-01 VDE 0884-3:2003-01	Discrete semiconductor devices and integrated circuits - Part 5-3: Optoelectronic devices - Measuring methods.	
Product Safety	EN IEC 60747-5-5:2020 IEC 60747-5-5:2007 + A1:2013 EN 60747-5-5:2011 + A1:2015 DIN EN 60747-5-5:2021-10 VDE 0884-5:2021-10	Discrete semiconductor devices and integrated circuits - Part 5-5: Optoelectronic devices - Essential ratings and characteristics.	

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Product Safety	IEC 60825-1:2014 EN 60825-1:2014 /A11:2021 DIN EN 60825-1:2015-07 VDE 0837-1:2015-07	Safety of laser products - Part 1: Equipment classification and requirements.	
Product Safety	IEC 60838-1:2020 IEC 60838-1:2004 + A1:2008 + A2:2011 EN 60838-1:2004 + A1:2008 + A2:2011 DIN EN 60838-1 VDE 0616-5	Miscellaneous lampholders - Part 1: General requirements and tests.	
Product Safety	IEC 60838-2-2:2006 EN 60838-2-2:2006 DIN EN 60838-2-2 VDE 0616-6	Miscellaneous lampholders - Part 2-2: Particular requirements - Connectors for LED-modules.	
Product Safety	IEC 60838-2-2:2012 IEC 60939-2:2005 + Cor.1: 2005 EN 60939-2:2005 DIN EN 60939-2:2006-05 VDE 0565-3-1:2006-05	Sectional specification - Passive filter units for which safety tests are appropriate - Test methods and general requirements.	
Product Safety	IEC 60939-3:2015 + AC:2016 + AC:2018 EN 60939-3:2015 + AC:2016 + AC:2018 DIN EN 60939-3:2016 + AC:2018	Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate	
Product Safety	IEC 60950-1:2005 + A1:2009 + A2:2013 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 DIN EN 60950-1 VDE 0805-1 AS/NZS 60950.1	Information technology equipment - Safety - Part 1: General requirements.	
Product Safety	IEC 60950-22:2016 EN 60950-22:2006 DIN EN 60950-22 VDE 0805-22	Information technology equipment - Safety - Part 22: Equipment installed outdoors.	

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Product Safety	IEC 60999-1:1999 EN 60999-1:2000 DIN EN 60999-1 VDE 0609-1:2000-12	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 1: General requirements and particular requirements for clamping units for conductors from 0,2 mm ² up to 35 mm ² (included).	
Product Safety	IEC 61010-1:2010 + A1:2016 EN 61010-1:2010 DIN EN 61010-1 VDE 0411-1	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 1: General requirements.	
Product Safety	IEC 61010-2-020:2016 DIN EN 61010-2-020:2017-12 VDE 0411-2-020:2017-12	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges.	
Product Safety	IEC 61010-031:2015 + A1:2018 EN 61010-31:2015 + A1:2021 + A11:2021 DIN EN 61010-031:2016-07 VDE 0411-031:2016-07	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 031: Safety requirements for hand-held probe assemblies for electrical measurement and test.	
Product Safety	IEC 61010-2-032:2021 IEC 61010-2-032:2012 DIN EN 61010-2-032:2013-07 VDE 0411-2-032:2013-07 IEC 61010-2-032:2019	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-032: Particular requirements for hand-held and hand manipulated current sensors for electrical test and measurement.	
Product Safety	IEC 61010-2-081:2001 + A1:2003 IEC 61010-2-081:2015 E DIN EN 61010-2-081:2018-05 E VDE 0411-2-081:2018-05 IEC 61010-2-081:2019	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes.	

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Product Safety	IEC 61347-1:2017 EN 61347-1:2008 + A1:2011 DIN EN 61347-1 VDE 0712-30	Lamp controlgear - Part 1: General and safety requirements.	
Product Safety	IEC 61347-2-13:2016 EN 61347-2-13:2006 DIN EN 61347-13 VDE 0712-43	Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules.	
Product Safety	EN IEC 61439-1:2021 + AC:2022 IEC 61439-1:2020 DIN EN 61439-1:2021- 10 VDE 0660-600-1:2021- 10	Low-voltage switchgear and controlgear assemblies - Part 1: General rules.	Limitation: Only equipment rated up to 400 V and 25 A, without short-circuit tests, short circuit making and breaking tests and withstand current tests.
Product Safety	EN IEC 61558-1:2019 IEC 61558-1:2009 + Cor.2:2010 + Cor.3:2011 EN 61558-1:2005 + AC:2006 + A1:2009 DIN EN 61558-1:2019- 12 VDE 0570-1:2019-12	Safety of power transformers, power supplies, reactors and similar products - Part 1: General requirements and tests.	Limitation: Excluding Annex K.
Product Safety	IEC 61558-2-1:2021 IEC 61558-2-1:2007 EN 61558-2-1:2007 DIN EN 61558-2- 1:2007-11 VDE 0570-2-1:2007-11	Safety of power transformers, power supplies, reactors and similar products - Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications.	
Product Safety	IEC 61558-2-2:2022 EN 61558-2-2:2007 DIN EN 61558-2- 2:2007-11 VDE 0570-2-2:2007-11	Safety of power transformers, power supplies, reactors and similar products - Part 2-2: Particular requirements and tests for control transformers and power supplies incorporating control transformers.	

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Product Safety	IEC 61558-2-4:2021 EN 61558-2-4:2009 DIN EN 61558-2-4:2009-12 VDE 0570-2-4:2009-12	Safety of power transformers, power supply units and similar - Part 2-4: Particular requirements for isolating transformers for general use.	
Product Safety	IEC 61558-2-6:2021 EN 61558-2-6:2009 DIN EN 61558-2-6:2010-04 VDE 0570-2-6:2010-04	Safety of power transformers, power supply units and similar - Part 2-6: Particular requirements for safety isolating transformers for general use.	
Product Safety	IEC 61558-2-7:2007 EN 61558-2-7:2007 DIN EN 61558-2-7:2008-06 VDE 0570-2-7:2008-06	Safety of power transformers, power supplies, reactors and similar products - Part 2-7: Particular requirements and tests for transformers and power supplies for toys.	
Product Safety	IEC 61558-2-16:2021 EN 61558-2-16:2009 + A1:2013 DIN EN 61558-2-16:2014-06 VDE 0570-2-16:2014-06	Safety of power transformers, power supply units and similar - Part 2-16: Particular requirements for safety isolating transformers for switch mode power supplies.	
Product Safety	IEC 61800-5-1:2022 EN 61800-5-1:2007 + A11:2021 DIN EN 61800-5-1:2017	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy	Limitation: Up to and including system voltages of 1000 V.
Product Safety	EN IEC 61851-1:2019 IEC 61851-1:2017 EN 61851-1:2011 DIN EN 61851-1:2012-01 VDE 0122-1: 2019-12	Electrical vehicle conductive charging system - Part 1: General requirements.	

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Product Safety	EN IEC 61851-21-1:2017 EN IEC 61851-21-2:2021 IEC 61851-21:2017 IEC 61851-21:2018 DIN EN 61851-21:2018-04 DIN EN 61851-21-2:2021-11 VDE 0122-2-1: 2018-04 VDE 0122-2-1: 2021-11	Electrical equipment of electric road vehicles - Electric vehicles conductive charging system - Part 2-1: Electric vehicle requirements for conductive connection to an a.c./d.c. supply.	
Product Safety	IEC 61851-22:2012 EN 61851-22:2002 DIN EN 61851-22:2002-10 VDE 0121-2-2:2002-10	Electrical equipment of electric road vehicles - Electric vehicles conductive charging system - Part 2-2: AC electric vehicle charging station.	
Product Safety	IEC 62031:2018 EN 62031:2008 DIN EN 62031:2009 VDE 0715-5:2009	LED modules for general lighting - Safety specifications.	
Product Safety	IEC 62040-1:2022 EN 62040-1:2008 + A1:2013 EN IEC 62040-1:2019 + A11:2021 DIN EN IEC 62040-1:2020 + A11:2021	Uninterruptible Power Systems (UPS) - Part 1: General and safety requirements for UPS.	Limitation. Maximum power is 20 kVA.
Product Safety	IEC 62087:2011-04 EN 62087:2012-04 DIN EN 62087:2013-08	Methods of measurement for the power consumption of audio, video and related equipment.	
Product Safety	EN 50178:1997 DIN EN 50178 VDE 0160:1998-04	Electronic equipment for use in power installations.	Limitation: Excluding equipment with rated voltages in excess of 1000 V.

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Product Safety	IEC 62109-1:2010 EN 61109-1:2010 DIN EN 62109-1:2011-04 VDE 0126-14-1:2011-04	Safety of power converters for use in photovoltaic power systems - Part 1: General requirements.	
Product Safety	IEC 62109-2:2010 EN 62109-2:2011 DIN EN 62109-2:2012-04 VDE 0126-14-2:2012-04	Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters.	
Product Safety	EN IEC 62196-1: 2022 IEC 62196-1:2014 EN 62196-1:2014 DIN EN 62196-1:2014 VDE 0623-5:2015	Plug, socket-outlets, vehicle couplers and vehicle inlets - Conductive charging of electrical vehicles - Part 1: Charging of electrical vehicles up to 250 A a.c. or 400 A d.c.	Limitation: The conditional short circuit current test according to clause 31 is limited to 10 kA.
Product Safety	IEC 62262:2002 + AMD1:2021 EN 62262:2002 EN 62262:2002/ A1:2021	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	
Product Safety	IEC 62301: 2011-01	Household electrical appliances - Measurement of standby power.	
Product Safety	IEC 62304:2006 + A1:2015 EN 62304:2006 + A1:2015	Medical Device software - Software life cycle processes.	
Product Safety	IEC 62366:2007 EN 62366:2008 DIN EN 62366:2008 VDE 0750-241	Medical devices - Application of usability engineering to medical devices.	
Product Safety	IEC 62366-1:2015 EN 62366-1:2015 IEC 62366-1:2015/ AMD1:2020	Medical devices - Part 1: Application of usability engineering to medical devices.	

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Product Safety	IEC 62368-1:2018 EN IEC 62368-1:2020 + A11:2020 DIN EN 62368-1 VDE 0868-1	IEC 62368-1: Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements.	
Product Safety	IEC 62384:2020 EN 62384:2020 DIN EN 62384 VDE 0712-26	DC or AC supplied electronic control gear for LED modules - Performance requirements.	
Product Safety	IEC 62471:2006-07 EN 62471:2008 DIN EN 62471:2009-03 VDE 0837-471:2009-03	Photobiological safety of lamps and lamp systems.	
Product Safety	IEC 62471-5:2015 EN 62471-5:2015 DIN EN 62471-5:2017- 02 VDE 0837-471-5:2017- 02	Photobiological safety of lamps and lamp systems - Part 5: Image projectors.	
Product Safety	IEC 62477-1: 2022 IEC 62477-1:2012 + A1:2016 EN 62477-1:2012 + A11:2014 + A1:2017 + A12:2021 DIN EN 62477-1:2017 VDE 0558-477-1:2017	Safety requirements for power electronic converter systems and equipment - Part 1: General.	Limitation: Maximum rated voltage: 1000 V Maximum electrical rated power: 50 kW. Excluding the high current arcing ignition test acc. To cl. 5.2.5.2.
Product Safety	IEC 62560:2015 EN 62560:2012 DIN EN 62560:2013-11 VDE 0715-13:2013-11	Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications.	
Product Safety	ISO 4892-1:2016 EN ISO 4892-1:2000-09 DIN EN ISO 4892- 1:2001-09	Plastics - Methods of exposure to laboratory light sources - Part 1: General guidance.	

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Product Safety	ISO 4892-2:2013-03 EN ISO 4892-1:2013-03 DIN EN ISO 4892-2:2013-06	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps.	
Product Safety	ISO 7779:2018-11 EN ISO 7779:2018-12 DIN EN ISO 7779:2019-04	Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment.	
Environmental Testing	IEC 60068-2-1:2007-03 EN 60068-2-1:2007-04 DIN EN 60068-2-1:2008-01 VDE 0468-2-1:2008-01	Environmental testing - Part 2-1: Tests - Test A: Cold.	
Environmental Testing	IEC 60068-2-2:2007-07 EN 60068-2-2:2007-09 DIN EN 60068-2-2:2008-05 VDE 0468-2-2:2008-05	Environmental testing - Part 2-2: Tests - Test B: Dry heat.	
Environmental Testing	IEC 60068-2-6:2007-12 EN 60068-2-6:2008-02 DIN EN 60068-2-6:2008-10 VDE 0468-2-6:2008-10	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal).	
Environmental Testing	IEC 60068-2-11:2021-03 EN 60068-2-11:2021-04 DIN EN 60068-2-11:2020-09	Environmental testing - Part 2: Tests - Test Ka: Salt mist.	
Environmental Testing	IEC 60068-2-14:2009-01 EN 60068-2-14:2009-07 DIN EN 60068-2-14:2010-04	Environmental testing - Part 2: Tests - test N: Change of temperature.	
Environmental Testing	IEC 60068-2-27:2008-02 EN 60068-2-27:2009-05 DIN EN 60068-2-27:2010-02	Basic environmental testing procedures - Part 2: Tests - test Ea and guidance: Shock.	Limitation: Shock duration between 2 ms and 11 ms.

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Environmental Testing	IEC 60068-2-30:2005-08 EN 60068-2-30:2005-12 DIN EN 60068-2-30:2006-06	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle).	
Environmental Testing	IEC 60068-2-31: 2008-05 EN 60068-2-31: 2008-09 DIN EN 60068-2-31:2009-04	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	
Environmental Testing	IEC 60068-2-52:2017-11 EN 60068-2-52:2018-02 DIN EN 60068-2-52:2018-02	Environmental testing - Part 2: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution).	
Environmental Testing	IEC 60068-2-64:2008 + A1:2019-10 EN 60068-2-64:2008 + A1:2019-11 DIN EN 60068-2-64:2020 VDE 0468-2-64:2009-04	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance.	Limitation: Frequency range from 5 Hz to 2 kHz.
Low Voltage	EN IEC 60947-1:2021 IEC 60947-1:2020 EN 60947-1:2007 + A1:2011 DIN EN 60947-1:2015-05 VDE 0660-100:2015 + Corr	Low-voltage switchgear and controlgear - Part 1: General rules.	Limitation: Only equipment rated up to 400 V and 25 A, without short-circuit tests and short circuit making and breaking tests.

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Low Voltage	IEC 60947-2:2016 + AC:2016 + A1:2019 EN 60947-2:2017 + A1:2020 DIN EN 60947-2:2020 VDE 0660-101:2020	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers.	Limitation: Only equipment rated up to 400 V and 25 A, without short-circuit tests and short circuit making and breaking tests.
Low Voltage	EN IEC 60947-4-1:2019 IEC 60947-4-1:2018 EN 60947-4-1:2010 + A1:2012 DIN EN IEC 60947-4-1:2020 DIN EN 60947-4-1:2014-02 VDE 0660-102:2020-05	Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters.	Limitation: Only equipment rated up to 400 V and 25 A, without short-circuit tests and short circuit making and breaking tests.
Low Voltage	IEC 60947-4-2:2020 EN 60947-4-2:2012 DIN EN 60947-4-2:2018 VDE 0660-117:2018	Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters.	Limitation: Only equipment rated up to 400 V and 25 A, without short-circuit tests and short circuit making and breaking tests.
Low Voltage	IEC 60947-4-3:2020 EN 60947-4-3:2014 DIN EN 60947-4-3:2015 VDE 0660-109:2015	Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads.	Limitation: Only equipment rated up to 400 V and 25 A, without short-circuit tests, short circuit making and breaking tests and withstand current tests.

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Low Voltage	IEC 60947-5-1:2016 EN 60947-5-1:2017 DIN EN 60947-5-1:2018-03 VDE 0660-200:2018-03	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	Limitation: Only equipment rated up to 400 V and 25 A, without short- circuit tests and short circuit making and breaking tests.
Low Voltage	IEC 60947-5-5:2016 EN 60947-5-5:1997 + A1:2005 + A11:2013 + A2:2017 DIN EN 60947-5-5:2017-08 VDE 0660-210:2017-08	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function.	Limitation: Only equipment rated up to 400 V and 25 A, without short- circuit tests and short circuit making and breaking tests.
Low Voltage	EN IEC 60947-5-8:2021 IEC 60947-5-8:2006 EN 60947-5-8:2006 DIN EN 60947-5-8:2021 VDE 0660-215:2021	Low-voltage switchgear and controlgear - Part 5-8: Control circuit devices and switching elements - Three-position enabling switches.	Limitation: Only equipment rated up to 400 V and 25 A, without short- circuit tests and short circuit making and breaking tests.
Low Voltage	IEC 60947-7-1:2009 EN 60947-7-1:2009 DIN EN 60947-7-1:2010-03 VDE 0611-1:2010-03	Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors.	
Low Voltage	IEC 60947-7-2:2009 EN 60947-7-2:2009 DIN EN 60947-7-2:2010-03 VDE 0611-3:2010-03	Low-voltage switchgear and controlgear - Part 7-2: Ancillary equipment - Protective conductor terminal blocks for copper conductors.	

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Telecommu- nication	TBR 21 January 1998	Access and Terminals (AT); Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE (excluding TE supporting the voice telephony service) in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signalling.	
Telecommu- nication	ES 203 021-1 August 2005	Harmonized basic attachment requirements for Terminals for connection to analogue interfaces of the Telephone Networks; Update of the technical contents of TBR 021, EN 301 437, TBR 015, TBR 017 Part 1: General aspects.	
Telecommu- nication	ES 203 021-2 January 2006	Harmonized basic attachment requirements for Terminals for connection to analogue interfaces of the Telephone Networks; Update of the technical contents of TBR 021, EN 301 437, TBR 015, TBR 017 Part 2: Basic transmission and protection of the network of harm.	Without A.2.2.1 A.2.2.2 A.2.2.3
Telecommu- nication	ES 203 021-3 January 2006	Harmonized basic attachment requirements for Terminals for connection to analogue interfaces of the Telephone Networks; Update of the technical contents of TBR 021, EN 301 437, TBR 015, TBR 017 Part 3: Basic Interworking with the Public Telephone Networks.	
Telecommu- nication	EN 301 437 June 1999	Terminal Equipment (TE); Attachment requirements for pan-European approval for connection to the analogue Public Switched Telephone Networks (PSTNs) of TE supporting the voice telephony service in which network addressing, if provided, is by means of Dual Tone Multi Frequency (DTMF) signalling.	Without A.3.2.1 A.3.2.2 A.3.2.3
Telecommu- nication	ETSI EG 201 120 January 1998	Public Switched Telephone Network (PSTN); Method of rating terminal equipment so that it can be connected in series and/or in parallel to a Network Termination Point (NTP).	
Telecommu- nication	ETSI EG 201 121 February 2000	A guide to the application of TBR21	

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Telecommunication	AS/CA S002:2015 February 2015	Analogue interworking and non-interference requirements for Customer Equipment for connection to the Public Switched Telephone Network.	
Telecommunication	TIA-968-B August 2009 + Addendum 1 June 2012 + Addendum 2 January 2015 + Addendum 3 March 2016	Telecommunications Telephone Terminal Equipment Technical Requirements for Connection of Terminal Equipment to the Telephone Network	
Telecommunication	CS-03 Part I Issue 9, Amendment 5 March 2016	Requirements for Terminal Equipment and Related Access Arrangement Intended for Direct Connection to Analogue Wireline Facilities.	
Telecommunication	ETSI ES 201 187 March 1999	2-wire analogue voice band interfaces; Loop Disconnect (LD) dialling specific requirements.	
Telecommunication	ETSI ES 201 729 February 2000	Public Switched Telephone Network (PSTN); 2-wire analogue voice band switched interfaces; Timed break recall (register recall); Specific requirements for terminals	
Telecommunication	IMDA TS PSTN Issue 1, October 2016	Technical Specification for Terminal Equipment connecting to the Public Switched Telephone Network (PSTN)	
Telecommunication	HKTA 2011 May 2010	Network Connection Specification for Connection of Customer Premises Equipment (CPE) to Direct Exchange Lines (DEL) of the Public Switched Telephone Network (PSTN) in Hong Kong.	
Telecommunication	SKMM MTSFB TC T001:2013 January 2013	Specification for Terminal Equipment Connecting to The Public Switched Telephone Network (PSTN)	
Telecommunication	Wi-Fi WPA2 Version 1.17	Wi-Fi CERTIFIED WPA2™ Test Plan	
Telecommunication	Wi-Fi IEEE 802.11n 2.21	Wi-Fi CERTIFIED™ n Test Plan	
Telecommunication	Wi-Fi Multimedia Version 2.3	WMM System Interoperability Test Plan with Test Engine.	

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Telecommunication	Wi-Fi WMM Power Save Version 2.1.6	WMM Power Save System Interoperability Test Plan.	
Telecommunication	Wi-Fi Protected Setup Version 2.0.22 and 2.0.24	Wi-Fi Protected Setup Test Plan	
Telecommunication	Wi-Fi Direct Version 1.10	Wi-Fi CERTIFIED Wi-Fi Direct® Test Plan	
Telecommunication	Wi-Fi Miracast Version 2.8	Wi-Fi CERTIFIED Miracast™ Test Plan	
Telecommunication	Wi-Fi CERTIFIED ac Version 2.8	Wi-Fi CERTIFIED ac Interoperability Test Plan	
Telecommunication	Wi-Fi CERTIFIED Protected Management Frames Version 1.8	Wi-Fi CERTIFIED Protected Management Frames System Interoperability Test Plan	
Telecommunication	Wi-Fi CERTIFIED Passpoint Release 2 and Release 3 Version 3.2	Wi-Fi CERTIFIED Passpoint (Release 2) Interoperability Test Plan	
Telecommunication	Wi-Fi CERTIFIED TDLS Version 1.0.2	Wi-Fi CERTIFIED TDLS System Interoperability Test Plan	
Telecommunication	Wi-Fi Aware™ Version 4.0	Wi-Fi CERTIFIED Wi-Fi Aware™ Test Plan	
Telecommunication	Wi-Fi Agile Multiband™ Version 1.4	Wi-Fi CERTIFIED Agile Multiband Test Plan	
Telecommunication	Wi-Fi CERTIFIED 6™ Version 2.2	Wi-Fi CERTIFIED 6 Test Plan	
Telecommunication	Wi-Fi CERTIFIED Location Version 2.1	Wi-Fi CERTIFIED Location Test Plan	
Telecommunication	Wi-Fi CERTIFIED Easy Connect Version 3.0	Wi-Fi CERTIFIED Easy Connect Test Plan Note: Now this version 1.0 is expired, but we have plan to do qualification in early next year by new version (2.0).	
Telecommunication	WPA3 Version 3.3 and 3.4	Wi-Fi CERTIFIED WPA3 Test Plan	

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Telecommunication	Enhanced Open Version 1.4	Wi-Fi CERTIFIED Enhanced Open Test Plan	
Telecommunication	Key Reinstallation Vulnerability Detection Version 2.7	"Security Vulnerability Detection Key Reinstallation Vulnerability Detection Test Plan"	
Telecommunication	Fragment and Forge Vulnerability Detection Version 1.2	"Security Vulnerability Detection Fragment and Forge Vulnerability Detection Test Plan"	
Telecommunication	Wi-Fi CERTIFIED HaLow™ Version 1.0	Wi-Fi CERTIFIED HaLow Test Plan	
Telecommunication	Wi-SUN MAC Conformance Test Suite Specification for Echonet Lite 1v06	Wi-SUN MAC Conformance Test Suite Specification for Echonet Lite	
Telecommunication	Wi-SUN Echonet Profile Interface Conformance 1v10	Wi-SUN Interface Conformance Test Suite Specification for Echonet Profile	
Telecommunication	Wi-SUN Echonet Profile interoperability 1v05	Wi-SUN Echonet Profile Interoperability Test Suite Specification for Echonet Lite	
Telecommunication	Wi-SUN MAC Conformance Test Suite Specification for Single-hop HAN 1v02	Wi-SUN Echonet Profile MAC Conformance Test Suite Specification - Amendment on Single-hop HAN	
Telecommunication	Wi-SUN Echonet Profile Interface Conformance Test Specification for Single-hop HAN 1v03	Wi-SUN Echonet Profile Interface Conformance Test Suite Specification - Amendment on Single-hop HAN	
Telecommunication	Wi-SUN Echonet Profile Interoperability Test Specification for Single-hop HAN 1v03	Wi-SUN Echonet Profile Interoperability Test Specification - Amendment on Single-hop HAN	
Telecommunication	Wi-SUN MAC Conformance Test Suite Specification for Extended HAN 1V01	Wi-SUN Echonet Profile MAC Conformance Test Suite Specification - Amendment for Extended HAN	

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Telecommu- nication	Wi-SUN Echonet Profile Interface Conformance Test Specification for HAN extension stage 2 1v01	Wi-SUN Echonet Profile Interface Conformance Test Suite Specification - Supplement 2: HAN Extension stage 2	
Telecommu- nication	Wi-SUN Interoperability Test Specification for HAN extension stage 2 1v02	Wi-SUN Interoperability Test Specification for ECHONET Lite - Supplement 2: HAN Extension stage 2	
Telecommu- nication	Wi-SUN PHY Conformance Test Suite Specification 1v16	Wi-SUN PHY Conformance Test Suite Specification	
Telecommu- nication	Wi-SUN PHY Interop Test Suite Specification 1v06	Wi-SUN PHY Interop Test Suite Specification	
Telecommu- nication	OpenADR 2.0a Certification Test Specification Version 1.1.2	Test cases for systems implementing the OpenADR 2.0a profile	
Telecommu- nication	OpenADR 2.0b Certification Test Specification Version 1.1.5	Test cases for systems implementing the OpenADR 2.0b profile	

Abbreviations used:

AC	AC stands for Amending Corrigendum
AS/ACIF	AUSTRALIA STANDARD/AUSTRALIAN COMMUNICATION INDUSTRY FORUM
AS/NZS	AUSTRALIA STANDARD/NEW ZEALAND STANDARD
Cor	Corrigendum
CS	CANADIAN STANDARD
DIN	Deutsches Institut für Normung e.V. - German institute for standardization
EN	EUROPEAN STANDARD
ETSI ES	European Telecommunications Standards Institute
ETSI EG	European Telecommunications Standards Institute GUIDE (EG)
HAN	Health Alert Network (HAN)
HKTA	HONG KONG TRUSTEE'S ASSOCIATION
IEC	International Electrotechnical Commission
IMDA TS PSTN	INFOCOMM MEDIA DEVELOPMENT AUTHORITY (IMDA) Technical Specification Public Switched Telephone Network (PSTN)
ISO	ISO - International Organization for Standardization
MTSFB	Malaysian Technical Standards Forum Bhd (MTSFB)
OpenADR	Open Automated Demand Response (OpenADR)
prEN	Proposed European Standard
SKMM	STANDARD KEY MANAGEMENT MODULE
TBR	Technical Basis for Regulation
TC	TECHNICAL COMMITTEES
TIA	Telecommunicatios Industry Association
VDE	Verband der Elektrotechnik (Association for Electrical, Electronic & Information Technologies)
Wi-Fi	wireless fidelity
Wi-SUN PHY	Smart Utility Networks (SUN) Physical Layer (PHY)
Wi-SUN MAC	Smart Utility Networks (SUN) Media Access Control (MAC)
WPA	Wi-Fi Protected Access