

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-12061-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 26.09.2022

Date of issue: 03.03.2023

This annex is a part of the accreditation certificate D-PL-12061-01-00.

Holder of partial accreditation certificate:

VDE Prüf- und Zertifizierungsinstitut GmbH

with its testing laboratory

Merianstraße 28, 63069 Offenbach (location A)
Goethering 43, 63067 Offenbach (location B)
Landsberger Allee 378a, 12681 Berlin (location C)

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.

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.

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>.

Tests at the all locations in the fields:

- 1. Safety of electrical equipment and their components**
- 2. Energy efficiency**
- 3. Components for Household, Commerce and Industry, Switches for Appliances and fixed Installations, control devices, Miniature Fuses**
- 4. Cables and cords, materials, special tests, Insulated power cables**
- 5. Acoustics**
- 6. Testing of functional safety of products (household appliances, consumer products), laboratory equipment and machines, components (assembly, safety components, elements), subsystems (sensor, actor or control), systems and units**

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1 Safety of electrical equipment and their components:

Lighting, information technology, consumer electronics, photovoltaics, industrial and medical technology, lamps, luminaires, components for luminaires

Department	Standard/Procedure/ Version	Title of Standard or Procedure	Location
1.1	Lampholders		
	IEC 60061-1:1969 EN 60061-1:1993 DIN EN 60061-1:2012	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamp caps	A
	IEC 60061-2:1969 EN 60061-2:1993 DIN EN 60061-2:2012	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders	A
	IEC 60238:2016 IEC 60238:2016/AMD1:2017 EN 60238:2018 + A1:2018 DIN EN IEC 60238 (VDE 0616-1):2019	Edison screw lampholders	A
	IEC 61184:2017 EN 61184:2017 DIN EN 61184 (VDE 0616-2):2018	Bayonet lampholders	A
	IEC 60400:2017 EN 60400:2017 DIN EN 60400 (VDE 0616-3):2018	Lampholders for tubular fluorescent lamps and starter-holders	A
	IEC 60838-2-1:1994 EN 60838-2-1:1996 DIN EN 60838-2-1 (VDE 0616-4): 2005	Miscellaneous lampholders - Part 2: General requirements and tests – Lampholders S14	A
	IEC 60838-1:2016 EN 60838-1:2017 DIN EN 60838-1 (VDE 0616-5):2017	Miscellaneous lampholders - Part 1: General requirements and tests	A

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	IEC 60838-2- 1:1994/AMD1:1998 IEC 60838-2- 1:1994/AMD2:2004 EN 60838-2-1:1996 + A1:1998 + A2:2004	Miscellaneous lampholders - Part 2: Particular requirements; Section 1: Lampholders S14 (IEC 60838-2- 1:1994 + A1:1998); German version EN 60838-2-1:1996 + A1:1998	A
	IEC 60838-2- 2:2006/ AMD1:2012 EN 60838-2-2:2006 + A1:2012 DIN EN 60838-2-2 (VDE 0616- 6):2012	Miscellaneous lampholders - Part 2-2: Particular requirements - Connectors for LED modules	A
1.2	Lamps		
	IEC 60064:1993 + AMD2:2002 + AMD3:2005 + AMD4:2007 + AMD5:2009 EN 60064:1995 + A2:2003 + A3:2006 + A4:2007 + A11:2007 + A5:2009 DIN EN 60064:2010	Tungsten filament lamps for domestic and similar general lighting purposes – Performance requirements	A
	IEC 60357:2002 + AMD1:2006 + AMD2:2008 + AMD3:2011 EN 60357:2003 + A1:2008 + A2:2008 + A3:2011 + A11:2016 DIN EN 60357:2001 DIN EN 60357:2017	Tungsten halogen lamps (non-vehicle) – Performance specifications	A
	IEC 60432-1:1999 + AMD1:2005 + AMD2:2011 EN 60432-1:2000 + A1:2005 + A2:2012 DIN EN 60432-1 (VDE 0715-1):2012	Incandescent lamps - Safety specifications - Part 1: Tungsten filament lamps for domestic and similar general lighting purposes	A

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	IEC 60432-2:1999 + AMD1:2005 + AMD2:2012 EN 60432-2:2000 + A1:2005 + A2:2012	Incandescent lamps - Safety specifications - Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes	A
	IEC 62031:2008 IEC 62031:2018 EN 62031:2000 EN 62031:2008 + A1:2013 + A2: 2015 EN IEC 62031:2020 DIN EN 62031 (VDE 0715-5):2015 DIN EN IEC 62031 (VDE 0715-5): 2020-08	LED modules for general lighting	A
	IEC 62717:2014 + AMD1:2015 + AMD2:2019 EN 62717:2017 + A1:2019 DIN EN 62717:2018	LED modules for general lighting – Performance requirements	A
	IEC 60968:2015 EN 60968:2015 DIN EN 60968 (VDE 0715-6):2016	Self-ballasted fluorescent lamps for general lighting services - Safety requirements	A
	IEC 60969:1988 EN 60969:1993 DIN EN 60969:2001	Self-ballasted lamps for general lighting services - Performance requirements	A
	IEC 61195:1999 + AMD1:2012 + AMD2:2014 EN 61195:1999 + A1:2013 + A2:2015 DIN EN 61195 (VDE 0715-8):2015	Double cabbed fluorescent lamps	A
	IEC 61199:2011 EN 61199:2011 DIN EN 61199 (VDE 0715-9):2015	Single Double cabbed fluorescent lamps	A

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	IEC 60901:1996 + AMD1 + AMD2 + AMD3:2004 + AMD4:2007 + AMD5:2011 + AMD6:2014 EN 60901:1996 + A1:1997 + A2:2000 + A3:2004 + A4:2008+ A5:2012 + A6:2017	Single-capped fluorescent lamps – Performance specifications	A
	IEC 60432-3:2012 EN 60432-3:2013 DIN EN 60432-3 (VDE 0715-11): 2013	Incandescent lamps - Safety specifications - Part 3: Tungsten- halogen lamps (non-vehicle)	A
	IEC 61549:2003 + AMD1:2005 + AMD2:2010 + AMD3:2012 EN 61549:2003 + A1:2005 + A2:2010 + A3:2012	Miscellaneous lamps	A
	IEC 62560:2011 + AMD1:2015 EN 62560:2012 + A1:2015 + 11:2019 DIN EN 62560:2019 VDE 0715-13:2019	Self-ballasted LED-lamps for general lighting services by voltage > 50 V - Safety specifications	A
	IEC 62612:2013 EN 62612:2013 DIN EN 62612:2018	Self-ballasted LED lamps for general lighting services with supply voltages > 50 V – Performance requirements	A
	IEC 62532:2011 + AMD1:2016 EN 62532:2012 + A1:2017 DIN EN 62532 (VDE 0715-14):2017	Fluorescent induction lamps - Safety specifications	A
	IEC 62776:2014 EN 62776:2015 DIN EN 62776 (VDE 0715-16):2015	Double-capped LED lamps for general lighting services - Safety specifications	A

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	IEC 62838:2015 EN 62838:2016 DIN EN 62838 (VDE 0715-17):2016	Self-ballasted LED-lamps for general lighting services with supply voltages not exceeding 50 V a. c. r. m. s.	A
1.3	Luminaire		
	DIN 57710-13:1981 DIN VDE 0710-13:1981 VDE 0710-13 1981	Luminaire with operating voltages below 1000 V; luminaire safety to ball throwing	A
	DIN 18032-3:2018	Sports halls - Halls and rooms for sports and multi-purpose use - Part 3: Testing of safety against ball throwing	A
	DIN 57710-14:1982 DIN VDE 0710-14:1982 VDE 0710-14:1982	Luminaire with operating voltages below 1000 V; luminaire for building-in into furniture	A
	VDE 0710-11:1968 DIN VDE 0710-11:1968	Specifications for lighting fittings with service voltages below 1000 V; Specification rules for flush-fitting signal-light fittings	A
	IEC 60598-1:2014 +AMD1:2017 EN 60598-1:2015 +A1:2018 DIN EN 60598-1:2018-09 VDE 0711:2018-09	Luminaire - Part 1: General requirements and tests	A
	IEC 60598-2-1:1979 + AMD1:1987 EN 60598-2-1:1979 EN 60598-2-1:1989 DIN VDE 0711-201:1991	Luminaire - Part 2-1: particular requirements, section one: fixed general purpose luminaire	A
	IEC 60598-2-2:2011 EN 60598-2-2:2012 DIN EN 60598-2-2 (VDE 0711-2-2):2012	Luminaire - Part 2-2: Particular requirements - Recessed luminaire	A

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	IEC 60598-2-3:2002 + AMD1:2011 EN 60598-2-3:2003 DIN EN 60598-2-3 + A1:2011 (VDE 0711-2-3):2011	Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting	A
	IEC 60598-2-4:1997 EN 60598-2-4:1997 EN 60598-2-4:2018 DIN EN 60598-2-4 (VDE 0711-2-24):1998 DIN EN 60598-2-4:2018 VDE 0711-2-24:2018	Luminaires - Part 2-4: Particular requirements - Portable general purpose luminaires	A
	IEC 60598-2-5:2015 EN 60598-2-5:2015 DIN EN 0711-2-5 (VDE 0711-2-5):2016	Luminaires - Part 2-5: Particular requirements - Floodlights	A
	IEC 60598-2-6:1994 + AMD1:1996 EN 60598-2-6:1994 + A1:1997 DIN EN 60598-2- 6 + A1:1997 VDE 0711-206 + A1:1997	Luminaires - Part 2: Particular requirements; section 6: Luminaires with built-in transformers for filament lamps	A
	IEC 60598-2-7:1982 EN 60598-2-7:1989 DIN VDE 0711-207:1992	Luminaires - Part 2: Particular requirements; section 7: Portable luminaires for garden use	A
	IEC 60598-2-7:1982 EN 60598-2-7:1989 DIN VDE 0711-207:1998	Luminaires - Part 2: Particular requirements; section 7: Portable luminaires for garden use	A
	IEC 60598-2-8:2013 EN 60598-2-8:2013 DIN EN 60598-2-8 (VDE 0711-2-8):2014	Luminaires - Part 2-8: Particular requirements - Handlamps	A
	IEC 60598-2-9:1987 + AMD1:1993 EN 60598-2-9:1989 + A1:1994 DIN VDE 0711-209:1992	Luminaires; part 2: particular requirements, section nine: photo and film luminaires	A

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	IEC 60598-2-10:2003 EN 60598-2-10:2003 DIN EN 60598-2-10 (VDE 0711-2-10):2004	Luminaires - Part 2-10: Particular requirements - Portable luminaires for children	A
	IEC 60598-2-11:2013 EN 60598-2-11:2013 DIN EN 60598-2-11 (VDE 0711-2-11):2014	Luminaires - Part 2-11: Particular requirements - Aquarium luminaires	A
	IEC 60598-2-12:2013 EN 60598-2-12:2013 DIN EN 60598-2-12 (VDE 0711-2-12):2014	Luminaires - Part 2-12: Particular requirements - Mains socket-outlet mounted night-lights	A
	IEC 60598-2-13:2006 + AMD1:2011 + AMD2:2016 EN 60598-2-13:2006 + A1:2012 + A2:2016 DIN EN 60598-2-13 (VDE 0711-2-13):2017	Luminaires - Part 2-13: Particular requirements - Ground recessed luminaires Restrictions: Only tests with a maximum pressure value up to 20kN	A
	IEC 60598-2-14:2009 EN 60598-2-14:2009 DIN EN 60598-2-14 (VDE 0711-2-14):2009	Luminaires - Part 2-14: Particular requirements - Luminaires for cold cathode tubular discharge lamps (neon tubes) and similar equipment	A
	IEC 60598-2-17:1984 IEC 60598-2-17:2017 EN 60598-2-17:1989 EN IEC 60598-2-17:2018 DIN VDE 0711-217:1992 DIN EN IEC 60598-2-17:2018 VDE 0711-217:2018	Luminaires - Part 2: Particular requirements. Section seventeen - Luminaires for stage lighting, television and film studios (outdoor and indoor)	A
	IEC 60598-2-18:1993 + AMD1:2011 EN 60598-2-18:1994 + A1:2012 DIN EN 60598-2-18 (VDE 0711-2-18):2012	Luminaires - Part 2-18: Particular requirements - Luminaires for swimming pools and similar applications	A

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	IEC 60598-2-19:1981 + AMD2:1997 EN 60598-2-19:1989 + A2:1998 DIN VDE 0711-219:1992	Luminaires; Part 2: particular requirements; section nineteen: air-handling luminaires (safety requirements)	A
	IEC 60598-2-20:2014 EN 60598-2-20:2015 DIN EN 60598-2-20 (VDE 0711-2-20):2015	Luminaires - Part 2-20: Particular requirements - Lighting chains	A
	IEC 60598-2-21:2014 EN 60598-2-21:2015 DIN EN 60598-2-21 (VDE 0711-2-20):2015	Luminaires - Part 2-21: Particular requirements – Rope lights	A
	IEC 60598-2-22:2014 EN 60598-2-22:2014 DIN EN 60598-2-22 (VDE 0711-2-22):2015	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	A
	IEC 60598-2-23:1996 + AMD1:2001 EN 60598-2-23:1996 + A1:2001 DIN EN 60598-2-23 (VDE 0711-2-23):2001	Luminaires - Part 2-23: Particular requirements; Extra low-voltage lighting systems for filament lamps	A
	IEC 60598-2-24:2013 EN 60598-2-24:2013 DIN EN 60598-2-24 (VDE 0711-2-24):2014	Luminaires - Part 2-24: Particular requirements - Luminaires with limited surface temperatures	A
	IEC 60598-2-25:1994 + AMD1:2004 EN 60598-2-25:1994 + A1:2004 DIN IEC 60598-2-25 (VDE 0711-2-25):2005	Luminaires - Part 2-25: Particular requirements - Luminaires for use in clinical areas of hospitals and healthcare buildings	A

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	IEC 60570:2003 + AMD1:2017 EN 60570:2003 + A1:2018 DIN EN 60570:2004 DIN EN 60570:2018 (VDE 0711-300):2003 VDE 0711-300:2018	Electrical supply track systems for luminaires	A
	IEC 62722-1:2014 EN 62722-1:2016 DIN IEC 62722-1:2016	Luminaire performance - Part 1: General requirements	A
	IEC 62722-2-1:2014 EN 62722-2-1:2016 DIN EN 62722-2-1:2017	Luminaire performance - Part 1: General requirements	A
1.4	Lamp controlgear		
	IEC 61347-1:2015 + A1:2021 EN 61347-1:2015 DIN EN 61347-1: :2021-08 VDE 0712-30:2016 VDE 0712-30:2021-08	Lamp controlgear - Part 1: General and safety requirements	A
	IEC 61347-2-1:2000 + AMD1:2005 + AMD2:2013 EN 61347-2-1:2001 + A1:2006 + A2:2014 DIN EN 61347-2-1 (VDE 0712-31):2014	Lamp controlgear - Part 2-1: Particular requirements for starting devices (other than glow starters)	A
	IEC 60927:2007 + AMD1:2013 EN 60927:2007 + A1:2013 DIN EN 60927 (VDE 0712-15):2014	Starting devices (others than glow starters) – Performance requirements	A

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	IEC 61347-2-2:2011 EN 61347-2-2:2012 DIN EN 61347-2-2 (VDE 0712-32):2012	Lamp controlgear - Part 2-2: Particular requirements for d. c. or a. c. supplied electronic step-down convertors for filament lamps	A
	IEC 61047:2004 EN 61047:2004 DIN EN 61047 (VDE 0712-25):2005	DC or AC supplied electronic step-down convertors for filament lamps – Performance requirements	A
	IEC 61347-2-3:2011 + AMD1:2016 EN 61347-2-3:2011 + A1:2017 DIN EN 61347-2-3:2017 (VDE 0712-33):2017	Lamp controlgear - Part 2-3: Particular requirements for a. c. and/or d. c. supplied electronic controlgear for fluorescent lamps	A
	IEC 60929:2011 + AMD1:2015 EN 60929:2011 DIN EN 60929: 2011 +A1:2016 (VDE 0712-23):2016	AC and/or DC-supplied electronic controlgear for tubular fluorescent lamps – Performance requirements	A
	IEC 61347-2-7:2011 EN 61347-2-7:2012 DIN EN 61347-2-7 (VDE 0712-37):2012	Lamp controlgear - Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)	A
	IEC 61347-2-8:2000 + AMD1:2006 EN 61347-2-8:2001 + A1:2006 DIN EN 61347-2-8 (VDE 0712-38):2006	Lamp controlgear - Part 2-8: Particular requirements for ballasts for fluorescent lamps	A
	IEC 60921:2004 +AMD1:2006 EN 60921:2004 +A1:2006 DIN EN 60921:2007 (VDE 0712-11):2007	Ballasts for tubular fluorescent lamps – Performance requirements	A
	IEC 61347-2-9:2012 EN 61347-2-9:2013 DIN EN 61347-2-9 (VDE 0712-39):2013	Lamp controlgear - Part 2-9: Particular requirements for electromagnetic controlgear for discharge lamps (excluding fluorescent lamps)	A

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	IEC 60923:2005 +AMD1:2006 EN 60923:2005 +A1:2006 DIN EN 60923 (VDE 0712-13):2007	Auxiliaries for lamps - Ballasts for discharge lamps (excluding tubular fluorescent lamps) - Performance requirements	A
	IEC 61347-2-10:2000 + AMD1:2008 EN 61347-2-10:2001 +A1:2009 DIN EN 61347-2-10 (VDE 0712-40):2009	Lamp controlgear - Part 2-10: Particular requirements for electronic invertors and convertors for high-frequency operation of cold start tubular discharge lamps (neon tubes)	A
	IEC 61347-2-11:2001 + AMD1:2017 EN 61347-2-11:2001 + A1:2019 DIN EN 61347-2-11:2019 VDE 0712-41:2002 VDE 0712-41:2019	Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires	A
	IEC 61347-2-12:2005 + AMD1:2010 EN 61347-2-12:2005 +A1:2010 DIN EN 61347-2-12 (VDE 0712-42):2011	Lamp controlgear - Part 2-12: Particular requirements for d. c. or a. c. supplied electronic ballasts for discharge lamps (excluding fluorescent lamps)	A
	IEC 61347-2-13:2014 + AMD1:2016 EN 61347-2-13:2014 + A1:2017 DIN EN 61347-2-13 (VDE 0712-43):2017	Lamp controlgear - Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules	A
	IEC 62384:2006 + AMD1:2009 IEC EN 62384:2020 EN 62384:2006 + A1:2009 DIN EN 62384 (VDE 0712-26):2010	DC or AC supplied electronic controlgear for LED modules - Performance requirements	A
	IEC 60155:1993 + AMD1:1995 + AMD2:2006 EN 60155:1995 + A1:1995 + A2:2007 DIN EN 60155:2007 (VDE 0712-101):2007	Glow-starters for fluorescent lamps	A

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	IEC 61050:1991 EN 61050:1992 DIN EN 61050 (VDE 0713-6):1994	High reactance transformers	A
1.5 Accumulators, batteries, secondary cells			
	IEC 61960:2011 DIN EN 61960:2012 EN 61960:2011	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications	B
	IEC 62133:2012 DIN EN 62133 (VDE 0510-8):2013 EN 62133:2013	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications Except crush test	B
	IEC 62133-1:2017	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 1: Nickel systems Except crush test	B
	IEC 62133-2:2017	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications - Part 2: Lithium systems Except crush test	B
	IEC 62281:2012 DIN EN 62281:2013 (VDE 0509-6) EN 62281:2013	Safety of primary and secondary lithium cells and batteries during transport Except crush test	B

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	IEC 60086-4:2007	Primary batteries - Part 4: Safety of lithium batteries Except crush test	B
	IEC 60086-4:2014 DIN EN 60086-4:2015 (VDE 0509-4)	Primary batteries - Part 4: Safety of lithium batteries Except crush test	B
1.6	Equipment for testing, measuring or monitoring of protective measures		
	IEC 61557-1:2007 DIN EN 61557-1:2007 VDE 0413-1:2007	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 1: General requirements	A
	IEC 61557-2:2007 DIN EN 61557-2:2008 VDE 0413-2:2008	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 2: Insulation resistance	A
	IEC 61557-3:2007 DIN EN 61557-3:2008 VDE 0413-3:2008	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance	A
	IEC 61557-4:2007 DIN EN 61557-4:2007 VDE 0413-4:2007	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 4: Resistance of earth connection and equipotential bonding	A

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	IEC 61557-5:2007 DIN EN 61557-5:2007 VDE 0413-5:2007	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures – Part 5: Resistance to earth	A
	IEC 61557-6:2007 DIN EN 61557-6:2008 VDE 0413-6:2008	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 6: Effectiveness of residual current devices (RCD) in TT, TN and IT systems	A
	IEC 61557-7:2007 DIN EN 61557-7:2008 VDE 0413-7:2008	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. - Equipment for testing, measuring or monitoring of protective measures - Part 7: Phase sequence	A
	IEC 61557-8:2014 DIN EN 61557-8:2015-12 VDE 0413-8:2015-12	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. - Equipment for testing, measuring or monitoring of protective measures - Part 8: Insulation monitoring devices for IT systems	A
	IEC 61557-9:2014 DIN EN 61557-9:2015 VDE 0413-9:2015	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 9: Equipment for insulation fault location in IT systems	A

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	IEC 61557-10:2013 DIN EN 61557-10:2014 VDE 0413-10:2014	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 10: Combined measuring equipment for testing, measuring or monitoring of protective measures	A
	IEC 61557-11:2009 DIN EN 61557-11:2009 VDE 0413-11:2009	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 11: Effectiveness of residual current monitors (RCMs) type A and type B in TT, TN and IT systems	A
	IEC 61557-12:2007 DIN EN 61557-12:2008 VDE 0413-12:2008	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 12: Performance measuring and monitoring devices (PMD)	A
	IEC 61557-13:2011 DIN EN 61557-13:2012 VDE 0413-13:2012	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 13: Hand-held and hand-manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems	A
	IEC 61557-14:2013 DIN EN 61557-14:2014 VDE 0413-14:2014	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 14: Equipment for testing the safety of electrical equipment of machinery	A

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	IEC 85/411/CD:2012 DIN EN 61557-15:2012 VDE 0413-15:2012	Electrical safety in distribution systems up to 1000 V a. c and 1500 V d. c - Equipment for testing, measuring or monitoring of protective measures - Part 15: Functional safety requirements for insulation monitoring devices in IT systems and equipment for insulation fault location in IT systems	A
	IEC 85/437/CD:2012 DIN EN 61557-16:2013 VDE 0413-16:2013	Electrical safety in low voltage distribution systems up to 1000 V a. c. and 1500 V d. c. – Equipment for testing, measuring or monitoring of protective measures - Part 16: Equipment for testing the safety of electrical equipment and medical electrical equipment	A
	IEC 61243-3:2009-11 DIN EN 61243-3:2011-02 VDE 0682-401:2011-02	Live working - Voltage detectors - Part 3: Two-pole low-voltage type	A
1.7	Safety of power transformers, power supplies, reactors		
	IEC 61558-1:2017 DIN EN 61558-1:2006 VDE 0570-1:2006	Safety of power transformers, power supplies, reactors and similar products - Part 1: General requirements and tests	A
	DIN EN IEC 61558- 1:2019-12 EN IEC 61558-1:2019	Safety of transformers, reactors, power supply units and combinations thereof - Part 1: General requirements and tests (IEC 61558-1:2017); German version EN IEC 61558-1:2019	A

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	IEC 61558-2-1:2007 DIN EN 61558-2-1:2007 VDE 0570-2-1:2007	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	A
	IEC 61558-2-2:2007 DIN EN 61558-2-2:2007 VDE 0570-2-2:2007	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	A
	IEC 61558-2-3:2010 DIN EN 61558-2-3:2011 VDE 0570-2-3:2011	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners	A
	IEC 61558-2-4:2009 DIN EN 61558-2-4:2009 VDE 0570-2-4:2009	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers	A
	IEC 61558-2-5:2010 DIN EN 61558-2-5:2011 VDE 0570-2-5:2011	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-5: Particular requirements and tests for transformer for shavers, power supply units for shavers and shaver supply units	A

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	IEC 61558-2-6:2009 DIN EN 61558-2-6:2010 VDE 0570-2-6:2010	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers	A
	IEC 61558-2-8:2010 DIN EN 61558-2-8:2011 VDE 0570-2-8:2011	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-8: Particular requirements and tests for transformers and power supply units for bells and chimes	A
	IEC 61558-2-9:2010 DIN EN 61558-2-9:2011 VDE 0570-2-9:2011	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-9: Particular requirements and tests for transformers and power supply units for class III hand-lamps for tungsten filament lamps	A
	IEC 61558-2-12:2011 DIN EN 61558-2-12:2011 VDE 0570-2-12:2011	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-12: Particular requirements and tests for constant voltage transformers and power supply units for constant voltage	A
	IEC 61558-2-13:2009 DIN EN 61558-2-13:2009 VDE 0570-2-13:2009	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V - Part 2-13: Particular requirements and tests for auto transformers and power supply units incorporating auto transformers	A

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	IEC 61558-2-14:2012 DIN EN 61558-2-14:2013 VDE 0570-2-14:2013	Safety of transformers, reactors, power supply units and combination thereof - Part 2-14: Particular requirements and tests for variable transformers and power supply units incorporating variable transformers	A
	IEC 61558-2-15:2011 DIN EN 61558-2-15:2012 VDE 0570-2-15:2012	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-15: Particular requirements and tests for isolating transformers for the supply of medical locations	A
	IEC 61558-2-16:2013 DIN EN 61558-2-16:2014 VDE 0570-2-16:2014	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1100 V - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units	A
	IEC 61558-2-19:2000 DIN EN 61558-2-19:2001 VDE 0570-2-19:2001	Safety of power transformers, power supply units and similar devices - Part 2-19: Particular requirements for perturbation attenuation transformers	A
	IEC 61558-2-20:2010 DIN EN 61558-2-20:2011 VDE 0570-2-20:2011	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-20: Particular requirements and tests for small reactors	A
	IEC 61558-2-23:2010 DIN EN 61558-2-23:2011 VDE 0570-2-23:2011	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-23: Particular requirements and tests for transformers and power supply units for construction sites	A

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	IEC 61558-2-26:2013 DIN EN 61558-2-26:2014 VDE 0570-2-26:2014	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-26: Particular requirements and tests for transformers and power supply units for saving energy and other purposes	A
1.8	Safety requirements for electrical equipment for measurement, control and laboratory use		
	IEC 61010-1:2010 + COR:2011 + A1:2016 DIN EN 61010-1 (VDE 0411-1):2020-03	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 1: General requirements	A
	IEC 61010-2-010:2014 DIN EN 61010-2-010: 2015 VDE 0411-2-010:2015	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-010: Particular requirements for laboratory equipment for the heating of materials	A
	DIN EN 61010-2-011: 2017 VDE 0411-2-011:2017 IEC 61010-2-011:2016	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-011: Particular requirements for refrigerating equipment	A
	IEC 61010-2-020:2006 DIN EN 61010-2-020: 2007 VDE 0411-2-020:2007	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-020: Particular requirements for laboratory centrifuges (IEC 61010-2-020:2006); German version EN 61010-2-020:2006	A
	IEC 61010-2-020:2016-05 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	A

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	IEC 61010-2-030:2010 DIN EN 61010-2-030: 2011 VDE 0411-2-030:2011	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-030: Particular requirements for testing and measuring circuits	A
	IEC 61010-031:2015 DIN EN 61010-031:2016 VDE 0411-031:2016	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	A
	IEC 61010-2-032:2012 DIN EN 61010-2-032: 2013 VDE 0411-2-032:2013	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	A
	IEC 61010-2-033:2012 DIN EN 61010-2-033: 2012 VDE 0411-2-033:2012	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-033: Particular requirements for hand-held multimeters and other meters, for domestic and professional use, capable of measuring mains voltage	A
	IEC 61010-2-040:2015 DIN EN 61010-2-040: 2016 VDE 0411-2-040:2016	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 2-040: Particular requirements for sterilizers and washer-disinfectors used to treat medical materials	A
	IEC 61010-2-051:2015 DIN EN 61010-2-051: 2016 VDE 0411-2-051:2016	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-051: Particular requirements for laboratory equipment for mixing and stirring	A

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	IEC 61010-2-061:2015 DIN EN 61010-2-061:2016 VDE 0411-2-061:2016	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization	A
	IEC 61010-2-081:2015 DIN EN 61010-2-081: 2015 VDE 0411-2-081:2015	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	A
	IEC 61010-2-091:2012 DIN EN 61010-2-091:2013 VDE 0411-2-091:2013	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-091: Particular requirements for cabinet X-ray systems	A
	IEC 61010-2-101:2015 DIN EN 61010-2-101: 2013 VDE 0411-2-101:2013	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-101: Particular requirements for laboratory equipment for in vitro diagnostic	A
	IEC 61010-2-201:2013 DIN EN 61010-2-201: 2014 VDE 0411-2-201:2014	Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-201: Particular requirements for control equipment	A
1.9	Information Technology, consumer electronics, industrial technology		
	HD 384.4.442 S2.2012 IEC 60364-4-44:2007 DIN VDE 0100-442:2013 VDE 0100-442:2013	Low-voltage electrical installations - Part 4-442: Protection for safety - Protection of low-voltage installations against temporary over-voltages due to earth faults in the high-voltage system and due to faults in the low voltage system	A

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	HD 384.4.46 S2:2001 IEC 60364-4-46:1981 DIN VDE 0100-460:2002 VDE 0100-460:2002	Erection of power installations – Part 4: Protection for safety; Chapter 46: Isolation and switching	A
	HD 60364-5-52:2011 IEC 60364-5-52:2009 DIN VDE 0100:520:2013 VDE 0100-520:2013	Erection of low voltage installations - Part 5: Selection and erection of electrical equipment - Chapter 52: Wiring systems	A
	HD 384.7.711 S1:2003 IEC 60364-7-711:1998 DIN VDE 0100-711:2003 VDE 0100-711:2003	Erection of low voltage installations – Requirements for special installations or locations – Part 711: Exhibitions, shows and stands	A
	HD 60364-7-714:2012 IEC 60364-7-714:2011 DIN VDE 0100-714:2014 VDE 0100-714:2014	Low-voltage electrical installations - Part 7-714: Requirements for special installations or locations - External lighting installations	A
1.10	Uninterruptible power systems (UPS, for IT equipment)		
	IEC 62040-1:2008 DIN EN 62040-1:2013 VDE 0558-510:2013	Uninterruptible power systems (UPS) - Part 1: Safety requirements	A
	IEC 62040-2:2005 DIN EN 62040-2:2006 VDE 0558-520:2006	Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements	A
	IEC 62040-3:2011 DIN EN 62040-3:2011 VDE 0558-530:2011	Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements	A

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1.11	Low-voltage switchgear and controlgear assemblies		
	IEC 61439-1:2011 EN 61439-1:2011 VDE 0660-600-1:2012	Low-voltage switchgear and controlgear assemblies - Part 1: Type-tested and partially type-tested assemblies	A, C
	IEC 61439-1:2020	Low-voltage switchgear and controlgear assemblies – Part 1: General rules	A, C
	IEC 61439-2:2011 EN 61439-2:2011 VDE 0660-600-2:2012	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	A, C
	IEC 61439-2:2020	Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies	A, C
	IEC 61439-3:2012 EN 61439-3:2012 VDE 0660-600-3:2013	Low-voltage switchgear and controlgear assemblies - Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	A, C
	IEC 61439-4:2012 EN 61439-4:2013 VDE 0660-600-4:2013	Low-voltage switchgear and controlgear assemblies - Part 4: Particular requirements for assemblies for construction sites (ACS)	C
	IEC 61439-5:2014 EN 61439-5:2015 VDE 0660-600-5:2015	Low-voltage switchgear and controlgear assemblies - Part 5: Assemblies for power distribution in public networks	C
	IEC 61439-6:2012 EN 61439-6:2012 VDE 0660-600-6:2013	Low-voltage switchgear and controlgear assemblies - Part 6: Busbar trunking systems (busways)	C
	VDE 0660-505:1998	Low-voltage switchgear and controlgear assemblies - Part 505: Specification for house connection boxes and fuseboxes	A

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	DIN VDE 0660-505 (VDE 0660-505):2018-12	Low-voltage switchgear and controlgear assemblies - Part 505: Specification for house connection boxes and fuseboxes	A
	DIN EN 41003:2009 VDE 0804-100:2009	Particular safety requirements for equipment to be connected to telecommunication networks	A
1.12	Information technology equipment – Safety		
	IEC 60950-1:2005 DIN EN 60950-1:2014 VDE 0805-1:2014	Information technology equipment - Safety - Part 1: General requirements	A
	IEC 60950-21:2002 DIN EN 60950-21:2003 VDE 0805-21:2003	Information technology equipment - Safety - Part 21: Remote power feeding	A
	IEC 60950-22:2005 DIN EN 60950-22:2006 VDE 0805-22:2006	Information technology equipment - Safety - Part 22: Equipment installed outdoors	A
	IEC 60950-23:2005 DIN EN 60950-23:2006 VDE 0805-23:2006	Information technology equipment - Safety - Part 23: Large data storage equipment	A
1.13	Safety requirements for audio, video or similar electronic apparatus		
	IEC 60065:2014 DIN EN 60065:2014 VDE 0860:2015	Audio, video and similar electronic apparatus - Safety requirements	A
	IEC 61965:2003 EN 61965:2003 DIN EN 61965:2004 VDE 0864-1:2004	Mechanical safety of cathode ray tubes	A
	IEC 62368-1:2014 EN 62368-1:2014	Audio/video, information and communication technology equipment - Part 1: Safety requirements	A

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1.14	Round wires, winding wires		
	DIN EN 60317-56:2018 IEC 60317-56:2017 Sections 16, 20, 21 are excluded	Specifications for particular types of winding wires - Part 56: Solderable fully insulated (FIW) zero-defect polyurethane enamelled round copper wire with nominal conductor diameter of 0,040 mm to 1,600 mm, class 180	A
	DIN EN 60317-0-7:2013 IEC 60317-0-7:2017	Fully insulated (FIW) zero-defect enamelled round copper wire with nominal conductor diameter of 0,040 mm to 1,600 mm	A
	DIN EN 60851-05:2012 IEC 60851-5:2011	Winding wires - Test methods - Part 5: Electrical properties	A
2 Energy efficiency			
	IEC 62301:2011 EN 50564:2011 DIN EN 50564:2011	Household electrical appliances - Measurement of standby power	A
	SANS 62301:2012 Edition 2 IEC 62301:2011 Edition 2	SOUTH AFRICAN NATIONAL STANDARD Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills — Methods for measuring performance	A
	IEC 62087:2011 EN 62087:2012 DIN EN 62087 (VDE 0868-100):2013	Methods of measurement for the power consumption of audio, video and related equipment	A
	IEC 62087-1:2015 EN 62087-1:2016 DIN EN 62087-1 (VDE 0868-101):2016	Audio, video, and related equipment - Determination of power consumption - Part 1: General	A
	IEC 62087-2:2015 EN 62087-2:2016 DIN EN 62087-2 (VDE 0868-102):2016	Audio, video, and related equipment - Determination of power consumption - Part 2: Signals and media	A
	IEC 62087-3:2015 EN 62087-3:2016 DIN EN 62087-3 (VDE 0868-03):2016	Audio, video, and related equipment - Determination of power consumption - Part 3: Television sets	A

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	IEC 62087-4:2015 EN 62087-4:2016 DIN EN 62087-4 (VDE 0868-104):2016	Methods of measurement for the power consumption of audio, video and related equipment - Part 4: Video Recording Equipment	A
	IEC 62087-5:2015 EN 62087-5:2016 DIN EN 62087-5 (VDE 0868-105):2016	Audio, video and related equipment - Determination of power consumption - Part 5: Set top boxes (STB)	A
	IEC 62087-6:2015 EN 62087-6:2015 DIN EN 62087-6 (VDE 0868-106):2016	Audio, video and related equipment - Determination of power consumption - Part 6: Audio equipment	A
	EN 62552:2013	Household refrigerating appliances - Characteristics and test methods	A
	IEC 62552-1:2015	Household refrigerating appliances – Characteristics and test methods – Part 1: General requirements	A
	IEC 62552-1: 2015 + AMD1: 2020	Household refrigerating appliances – Characteristics and test methods – Part 1: General requirements	A
	IEC 62552-2: 2015 + AMD1: 2020	Household refrigerating appliances – Characteristics and test methods – Part 2: Performance requirements	A
	IEC 62552-3: 2015 + AMD1: 2020	Household refrigerating appliances – Characteristics and test methods – Part 3: Energy consumption and volume	A
	SANS 62552:2008 Edition 1 and IEC corr.1, nat. amdts 1 und 2 IEC 62552:2007	South African National Standard - Household refrigerating appliances – Characteristics and test methods	A
	IEC 60456:2010 EN 60456:2011 DIN EN 60456:2012	Clothes washing machines for household use - Methods for measuring the performance	A

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	EN 60456:2016 DIN EN 60456:2017	Clothes washing machines for household use - Methods for measuring the performance	A
	SANS 1695:2015 Edition 1 EN 60456:2011 Edition 2	SOUTH AFRICAN NATIONAL STANDARD Clothes washing machines for household use — Methods for measuring the performance	A
	DIN EN 60661:2015	Methods for measuring the performance of electric household coffee makers	A
	SASO 2683:2007	Clothes washing machines for household use - methods for measuring the performance	A
	SASO 2692:2013	Energy labelling requirements of household electrical clothes washing machines	A
	SASO 2693:2007	Clothes washing machines for household use- performance requirements	A
	SASO 2870:2015	Energy efficiency, functionality and labelling; requirements for lighting products – Part 1	A
	SASO 2883:2017	Electrical Clothes Dryers - Energy Performance Requirements and Labelling	A
	SASO 2885:2018	Electrical Clothes Washing Machines - Energy and Water Performance Requirements and Labelling	A
	SASO 2892:2018	Energy performance and capacity of household refrigerators, refrigerator freezers and freezers	A
	AS/NZS 4474.1:2007 including Amendment 1 (2008) & 2 (2011)	Performance of household electrical appliances - Refrigerating appliances - Part 1: Energy consumption and performance	A

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	AS/NZS 4474.2-2009 + A1:11 + A2:2014	Performance of household electrical appliances - Refrigerating appliances - Part 2: Energy labelling and minimum energy performance standard requirements	A
	GB/T 12021.2-2015	Household and similar refrigerating appliances - The maximum allowable values of the energy consumption and energy efficiency grade for household refrigerators	A
	GB/T 8059.2-1995	Household refrigerating appliances Frost-free refrigerators, frost-free refrigerator-freezers, frost-free frozen food storage cabinets and frost-free food freezers	A
	GB/T 8059.4-1993	Household refrigerating appliances Frost-free refrigerators, frost-free refrigerator-freezers, frost-free frozen food storage cabinets and frost-free food freezers	A
	AS/NZS 2007.1:2005	Performance of household electrical appliances-Dishwashers - Part 1: Methods for measuring performance, energy and water consumption	A
	AS/NZS 2007.2:2005	Performance of household electrical appliances-Dishwashers - Part 2: Energy efficiency labeling requirements	A
	AS/NZS 2040.1:2005	Performance of household electrical appliances - Clothes washing machines - Part 1: Methods for measuring - Performance, energy and water consumption	A
	AS/NZS 2040.2:2005	Performance of household electrical appliances - Clothes washing machines - Part 2: Energy efficiency labeling requirements	A

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	AS/NZS 2442.1:1996	Performance of household electrical appliances - Rotary clothes dryers - Part 1: Energy consumption and performance	A
	AS/NZS 2442.2:2000	Performance of household electrical appliances - Rotary clothes dryers - Part 2: Energy labeling requirements	A
	UAE.S 5010 2:2013	Labeling - Energy efficiency label for electrical appliances - Part 2: Washing Machines and Dryers	A
	IEC 62442-1:2011 EN 62442-1:2012 DIN EN 62442-1(VDE 0712-28):2012	Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear	A
	IEC 62442-2:2014 EN 62442-2:2014 DIN EN 62442-2(VDE 0712-29):2015	Energy performance of lamp controlgear - Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) - Method of measurement to determine the efficiency of the controlgear	A
	IEC 62442-3:2014 EN 62442-3:2014 DIN EN 62442-3(VDE 0712-27):2015	Energy performance of lamp controlgear - Part 3: Controlgear for tungsten-halogen lamps and LED light sources - Method of measurement to determine the efficiency of controlgear	A
2.1	Energy Star Program (EPA): Residential Dishwashers		
	CAN/CSA Standard C373-04	Energy Consumption Test Methods and Limits for Household Dishwashers	A
	CAN/CSA Standard C373-04	CAN/CSA Standard C373-04	A

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2.2 Energy Star Program (EPA): Commercial Dishwashers			
	ASTM F1696-07	Standard Test Method for Energy Performance of Single-Rack, Door-Type Commercial Dishwashing Machines	A
	ASTM F1920-11	Standard Test Method for Performance of Rack Conveyor, Commercial Dishwashing Machines	A
2.3 Energy Star Program (EPA): Residential Refrigerators and Freezers			
	United States Code of Federal Regulations. Title 10: Energy Part 430 - Energy Conservation Program for Consumer Products - Subpart B - Test Procedures	Appendix A1 to Subpart B of Part 430 - Uniform Test Method for Measuring the Energy Consumption of Electric Refrigerators and Electric Refrigerator-Freezers and Appendix A	A
	HRF-1-1979 HRF-1-2008	Appendix B1 to Subpart B of Part 430 - Uniform Test Method for Measuring the Energy Consumption of Freezers and Appendix B	A
	CAN/CSA Standard C300-12	Energy performance and Capacity of Household Refrigerators, Refrigerator-Freezers, Freezers and Wine Chillers	A
2.4 Energy Star Program (EPA): Residential and Commercial Clothes Washers			
	United States Code of Federal Regulations. Title 10: Energy Part 430 - Energy Conservation Program for Consumer Products - Subpart B - Test Procedures	Appendix J1 and J2 to Subpart B of Part 430 - Uniform Test Method for Measuring the Energy Consumption of Automatic and Semi-Automatic Clothes Washers	A
	DIN EN 60456:2010 DIN EN 60456:2011	Clothes washing for household use - Methods for measuring the performance	A

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	CAN/CSA Standard C360-03(R2009)	Energy Performance, Water Consumption, and Capacity of Household Clothes Washers - Publication Year: 2003, Reaffirmed Year: 2009	A
2.5 Energy Star Program (EPA): Clothes Dryers			
	United States Code of Federal Regulations Title 10: Energy Part 430 - Energy Conservation Program for Consumer Products - Subpart B - Test Procedures	Appendix D, D1 and D2 to Subpart B of Part 430 - Uniform Test Method for Measuring the Energy Consumption of Clothes Dryers.	A
	CAN/CSA Standard C361-92	Test Method for Measuring Energy Consumption and Drum Volume of Electrically Heated Tumble-Type Clothes Dryers - Publication Year: 2012	A
3 Equipment and systems for home and commercial use			
	IEC 61770:2008 DIN EN 61770:2010 VDE 0700-600:2010 and according to the requirements of DIN EN 1717:2017	Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets; Protection against pollution of potable water installations and general requirements of devices to prevent pollution by backflow	A
	EN 61770:2009 + A11:2018	Electric appliances connected to the water mains - Avoidance of backsiphonage and failure of hose-sets	A

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	IEC 62512:2012 EN 50229:2007 DIN EN 50229:2008	Electric clothes washer-dryers for household use - Methods of measuring the performance	A
	SANS 50229:2010 Edition 1 EN 50229:2007 Edition 3	SOUTH AFRICAN NATIONAL STANDARD Electric clothes washer-dryers for household use — Methods of measuring the performance	A
	IEC 60436:2008 EN 50242:2008 IEC 60436:2012 EN 50242/60436:2016	Electric dishwashers for household use – Methods for measuring the performance	A
	IEC 60436:2015	Electric dishwashers for household use – Methods for measuring the performance	A
	SANS 50242:2010 Edition 1 EN 50242/EN 60436:2008 Edition 1	South African National Standard – Electric dishwashers for household use – Methods for measuring the performance	A
	UAE.S 5010 – 6.2016	Energy efficiency label for electrical appliances – Part 6: Dishwasher	A
	IEC 60350-1:2016 EN 60350-1:2016 DIN EN 60350-1 (VDE 0705-350-1):2018-04	Electric cooking ranges, hobs, ovens and grills for household use - Methods for measuring performance	A
	SANS 60350-1:2015 IEC 60350-1:2011	SOUTH AFRICAN NATIONAL STANDARD Household electric cooking appliances - Part 1: Ranges, ovens, steam ovens and grills — Methods for measuring performance	A
	SANS 941:2014	SOUTH AFRICAN NATIONAL STANDARD Energy efficiency of electrical and electronic apparatus	A

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	IEC 60350-2:2017 EN 60350-2:2015 DIN EN 60350-2 (VDE 0705-350-2):2017	Household electric cooking appliances - Part 2: Hobs - Methods for measuring performance	A
	IEC 60456:2010 EN 60456:2011 DIN EN 60456:2012	Clothes washing machines for household use - Methods for measuring the performance	A
	IEC 61121:2005 (consolidated version IEC 61121:2002 + AMD1:2005)	Tumble dryers for household use – Methods for measuring the performance	A
	IEC 61121:2012 EN 61121:2013 DIN EN 61121:2013 VDE 0705-1121:2013	Tumble dryers for household use - Methods for measuring the performance	A
	SANS 1704:2014 Edition 1 EN 61121:2013 Edition 2	SOUTH AFRICAN NATIONAL STANDARD Tumble dryers for household use — Methods for measuring the performance	A
	IEC 61591:1997 EN 61591:1997 DIN EN 61591 (VDE 0705-1591):2016	Household range hoods and other cooking fume extractors - Methods for measuring performance	A
	IEC 60312-1:2010 EN 60312-1:2008-11 DIN EN 60312-1 (VDE 0705-312-1):2014-01	Vacuum cleaners for household use - Part 1: Dry vacuum cleaners - Methods for measuring the performance	A
	DIN EN 60312-1 (0705-312-1):2017-11	Vacuum cleaners for household use - Part 1: Dry vacuum cleaners - Methods for measuring the performance (IEC 60312-1:2010, modified + A1:2011, modified); German version EN 60312-1:2017	A
	IEC 62885-2:2016	Surface cleaning appliances - Part 2: Dry vacuum cleaners for household or similar use - Methods for measuring the performance	A

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	DIN EN ISO 23953-1:2016 EN ISO 23953-1:2015 ISO 23953-1:2015	Refrigerated display cabinets - Part 1: Vocabulary	A
	DIN EN ISO 23953-2:2016 EN ISO 23953-2:2015 ISO 23953-2:2015	Refrigerated display cabinets - Part 2: Classification, requirements and test conditions	A
	DIN EN 16825:2016 EN 16825:2016	Refrigerated storage cabinets and counters for professional use - Classification, requirements and test conditions	A
	DIN EN 16838:2016 EN 16838:2016	Refrigerated display scooping cabinets for gelato - Classification, requirements and test conditions	A
	DIN EN 16901:2017 EN 16901:2016	Ice-cream freezers - Classification, requirements and test conditions	A
	DIN EN 16902:2017 EN 16902:2016	Commercial beverage coolers - Classification, requirements and test conditions	A
	E DIN EN 17032:2016 prEN 17032:2016	Blast chillers and freezers cabinets for professional use - Classification, requirements and test conditions	A
	DIN EN 50597 (VDE 0705-597):2016 EN 50597:2015	Energy Consumption of Vending Machines	A
	IEC 60335-1:2010 EN 60335-1:2012 DIN EN 60335-1:2012 VDE 0700-1:2012	Household and similar electrical appliances - Safety - Part 1: General requirements	A
	IEC 60335-1:2016	Household and similar electrical appliances – Safety – Part 1: General requirements	A
	IEC 60335-1:2020-09	Household and similar electrical appliances – Safety – Part 1: General requirements	A

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	IEC 60335-2-2:2019 EN 60335-2-2:2010 + A11:2012 + A1: 2013 DIN EN 60335-2-2:2014 VDE 0700-2:2014	Household and similar electrical appliances - Safety - Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances	A
	IEC 60335-2-3:2015-07 EN 60335-2-3:2016 DIN EN 60335-2-3:2017 VDE 0700-3:2017	Household and similar electrical appliances - Safety - Part 2-3: Particular requirements for electric irons	A
	IEC 60335-2-5:2012 + A1:2020 EN 60335-2-5:2015 DIN EN 60335-2-5:2015 VDE 0700-5:2015 DIN EN 60335-2-5 (VDE 0700-5): 2020-07	Household and similar electrical appliances - Safety - Part 2-4: Particular requirements for spin extractors	A
	IEC 60335-2-6:2014 IEC 60335-2-6:2002 EN 60335-2-6:2003 DIN EN 60335-2-6:2013 VDE 0700-6:2013	Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances	A
	EN 60335-2-6:2015	Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances	A
	IEC 60335-2-7:2008 EN 60335-2-7:2010 DIN EN 60335-2-7:2014 VDE 0700-7:2014	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines	A
	IEC 60335-2-7:2019	Household and similar electrical appliances - Safety - Part 2-7: Particular requirements for washing machines	A
	EN 50571:2013 + A1:2018 DIN EN 50571 (VDE 0700-571):2018	Household and similar electrical appliances - Safety - Particular requirements for commercial electric washing machines; German version EN 50571:2013 + A1:2018	A

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	IEC 60335-2-8:2002 EN 60335-2-8:2003 DIN EN 60335-2-8:2009 VDE 0700-8:2009	Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances	A
	IEC 60335-2-8:2012 + A1:2015 EN 60335-2-8:2015+A1:2016 DIN EN 60335-2-8:2016 VDE 0700-8:2016	Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances	A
	IEC 60335-2-9: 2002-03 + A1:2004 + A2:2006 EN 60335-2-9:2003 + A1:2004 + A2:2006 + A12:2007 + A13:2010 DIN EN 60335-2-9:2011 VDE 0700-9:2011	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances	A
	IEC 60335-2-9: 2008-07+ A1:2012 + A2:2016 IEC 60335-2-9:2019	Household and similar electrical appliances - Safety - Part 2-9: Particular requirements for grills, toasters and similar portable cooking appliances	A
	IEC 60335-2-10:2008-07 EN 60335-2-10:2003 + A1:2008 DIN EN 60335-2-10:2009 VDE 0700-10:2009	Household and similar electrical appliances - Safety - Part 2-10: Particular requirements for floor treatment machines and wet scrubbing machines	A
	IEC 60335-2-11:2008 DIN EN 60335-2-11:2014 VDE 0700-11:2015	Household and similar electrical appliances – Safety – Particular requirements for tumble dryers	A
	IEC 60335-2-11:2019	Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers	A

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	EN 60335-2-11:2010/A2:2018	Household and similar electrical appliances – Safety – Particular requirements for tumble dryers	A
	EN 60335-2-11:2010/A2:2018	Household and similar electrical appliances – Safety – Particular requirements for tumble dryers	A
	EN 50570:2013 + A1:2018 DIN EN 50570:2018 (VDE 0700-570):2018	Household and similar electrical appliances – Safety – Particular requirements for commercial electric tumble dryers; German version EN 50570:2013 + A1:2018	A
	IEC 60335-2-12:2017:10 EN 60335-2-12:2003 + A1:2008 DIN EN 60335-2-12:2009 VDE 0700-12:2009	Household and similar electrical appliances - Safety - Part 2-11: Particular requirements for tumble dryers	A
	IEC 60335-2-13:2016-04 EN 60335-2-13:2010 + A11:2012 + A1:2019 DIN EN 60335-2-13:2020 VDE 0700-13:2020	Safety of household and similar electrical appliances; Part 2-13: Frying pans, deep fat fryers and similar appliances	A
	IEC 60335-2-14:2006 + A1:2008 IEC 60335-2-14:2019 EN 60335-2-14:2006 + A1:2008 + A11:2012 + A12:2016 DIN EN 60335-2-14:2017 VDE 0700-14:2017	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines	A

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	IEC 60335-2-15:2012 + AM1:2016 + AM2:2018 IEC 60335-2-15:2018 (consolidated version) EN 60335-2-15:2018 DIN EN 60335-2-15:2019 VDE 0700-15:2019	Household and similar electrical appliances - Safety - Part 2-15: Particular requirements for appliances for heating liquids	A
	IEC 60335-2-16:2002 EN 60335-2-16:2003 DIN EN 60335-2-16:2012 VDE 0700-16:2012	Household and similar electrical appliances - Safety - Part 2-16: Particular requirements for food waste disposers	A
	IEC 60335-2-21:2012 IEC 60335-2-21:2012 + AMD1 :2018 EN 60335-2-21:2003 + A1:2005 + Corr.:2007 + A2:2008 DIN EN 60335-2-21:2009-06 (VDE 0700-21):2009-06	Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters	A
	IEC 60335-2-23:2003 + A1:2008 + A2:2012 IEC 60335-2-23:2016 + AMD1:2019 EN 60335-2-23:2003 + A1:2008 + A11:2010 +A11:2010/AC:2012 + A2:2015 DIN EN 60335-2-23:2015 VDE 0700-23:2015	Household and similar electrical appliances - Safety - Part 2-23: Particular requirements for appliances for skin or hair care	A
	IEC 60335-2-24:2010 EN 60335-2-24:2010 DIN EN 60335-2-24:2010 VDE 0700-24:2010	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers	A

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	EN 60335-2-24:2010/A1:2019	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers (IEC 60335-2-24:2010/A1:2012, modified)	A
	EN 60335-2-24:2010/A2:2019	Household and similar electrical appliances - Safety - Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers (IEC 60335-2-24:2010/A2:2017)	A
	IEC 60335-2-24:2017 IEC 60335-2-24:2020-09	Household and similar electrical appliances - Safety -Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers	A
	IEC 60335-2-25:2010 EN 60335-2-25:2012 DIN EN 60335-2-25 (VDE 0700-25):2016	Household and similar electrical appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens	A
	IEC 60335-2-26:2002 + AMD1:2008 IEC 60335-2-26:2008 (consolidated version) EN 60335-2-26:2003 + A1:2008 DIN EN 60335-2-26:2009 VDE 0700-26:2009	Household and similar electrical appliances - Safety - Part 2-26: Particular requirements for clocks	A
	IEC 60335-2-27:2009 + A1:2012 + A2:2015 EN 60335-2-27:2013+A1:2020 + A2:2020 DIN EN 60335-2-27:2021 VDE 0700-27:2021	Household and similar electrical appliances - Safety - Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation	A

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	IEC 60335-2-28:2002 + AMD1:2008 IEC 60335-2-28:2008 (consolidated version) EN 60335-2-28:2003 + A1:2008 DIN EN 60335-2-28:2009 VDE 0700-28:2009	Household and similar electrical appliances - Safety - Part 2-28: Particular requirements for sewing machines	A
	IEC 60335-2-29:2002 EN 60335-2-29:2004 DIN EN 60335-2-29:2010 VDE 0700-29:2010	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers	A
	IEC 60335-2-29:2016 / AMD1:2019 EN 60335-2-29:2004 / A11:2018	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers	A
	IEC 60335-2-30:2009 + AMD1:2016 EN 60335-2-30:2009 + A12:2020 DIN EN 60335-2-30:2013 VDE 0700-30:2013	Household and similar electrical appliances - Safety - Part 2-30: Particular requirements for room heaters	A
	IEC 60335-2-31:2002 IEC 60335-2-31:2016 IEC 60335-2-31:2012 + AMD1:2016 + AMD2:2018 EN 60335-2-31:2003 DIN EN 60335-2-31:2009 VDE 0700-31:2009	Household and similar electrical appliances - Safety - Part 2-31: Particular requirements for range hoods and other cooking fume extractors	A

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	EN 60335-2-31:2014 DIN EN 60335-2-31:2015-06 VDE 0700-31:2015-06	Household and similar electrical appliances - Safety - Part 2-31: Particular requirements for range hoods and other cooking fume extractors (IEC 60335-2-31:2012, modified); German version EN 60335-2-31:2014	A
	IEC 60335-2-32:2002 + AMD1:2008 + AMD2:2013 IEC 60335-2-32:2013 (consolidated version) EN 60335-2-32:2003 + A1:2008 + A2:2015 DIN EN 60335-2-32:2015 VDE 0700-32:2015	Household and similar electrical appliances - Safety - Part 2-32: Particular requirements for massage appliances	A
	IEC 60335-2-34:2012 IEC 60335-2-34:2021 EN 60335-2-34:2013 DIN EN 60335-2-34:2014 VDE 0700-34:2014	Household and similar electrical appliances - Safety - Part 2-34: Particular requirements for motor-compressors	A
	IEC 60335-2-35:2002 EN 60335-2-35:2002 DIN EN 60335-2-35:2012 VDE 0700-35:2012	Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters	A
	IEC 60335-2-35:2012 + AMD1:2016 + AMD2:2020 EN 60335-2-35:2016 + A1:2019 DIN EN 60335-2-35 (VDE 0700-35):2020-07	Household and similar electrical appliances - Safety - Part 2-35: Particular requirements for instantaneous water heaters	A

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	IEC 60335-2-36:2002 EN 60335-2-36:2002 DIN EN 60335-2-36:2012 VDE 0700-36:2012	Household and similar electrical appliances - Safety - Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements	A
	IEC 60335-2-37:2002 EN 60335-2-37:2002 DIN EN 60335-2-37:2013 VDE 0700-37:2013	Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric deep fat fryers	A
	IEC 60335-2-38:2002 EN 60335-2-38:2003 DIN EN 60335-2-38:2008 VDE 0700-38:2008	Household and similar electrical appliances - Safety - Part 2-38: Particular requirements for commercial electric griddles and griddle grills	A
	IEC 60335-2-39:2002 EN 60335-2-39:2003 DIN EN 60335-2-39:2009 VDE 0700-39:2009	Household and similar electrical appliances - Safety - Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans	A
	IEC 60335-2-40:2002 EN 60335-2-40:2003 DIN EN 60335-2-40:2014 VDE 0700-40:2014	Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	A
	IEC 60335-2-40:2018	Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	A
	IEC 60335-2-41:2002 EN 60335-2-41:2003 DIN EN 60335-2-41:2010 VDE 0700-41:2010	Household and similar electrical appliances - Safety - Part 2-41: Particular requirements for pumps	A

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	IEC 60335-2-42:2002 EN 60335-2-42:2003 DIN EN 60335-2-42:2012 VDE 0700-42:2012	Household and similar electrical appliances - Safety - Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens	A
	IEC 60335-2-43:2017 DIN EN 60335-2-43:2009 EN 60335-2-43:2003 + A1:2006 + A2:2008 VDE 0700-43:2009	Household and similar electrical appliances - Safety - Part 2-43: Particular requirements for clothes dryers and towel rails	A
	IEC 60335-2-44:2002 + A1:2008 + A2:2011 EN 60335-2-44:2002 + A1:2008 + A2:2012 DIN EN 60335-2-44:2012 VDE 0700-44:2012	Household and similar electrical appliances - Safety - Part 2-44: Particular requirements for ironers	A
	IEC 60335-2-45:2002 EN 60335-2-45:2002 DIN EN 60335-2-45:2012 VDE 0700-45:2012	Household and similar electrical appliances - Safety - Part 2-45: Particular requirements for portable heating tools and similar appliances	A
	IEC 60335-2-47:2002 EN 60335-2-47:2003 DIN EN 60335-2-47:2012 VDE 0700-47:2012	Household and similar electrical appliances - Safety - Part 2-47: Particular requirements for commercial electric boiling pans	A
	IEC 60335-2-48:2002 EN 60335-2-48:2003 DIN EN 60335-2-48:2013 VDE 0700-48:2013	Household and similar electrical appliances - Safety - Part 2-48: Particular requirements for commercial electric grillers and toasters	A

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	IEC 60335-2-49:2002 + AMD1:2008 + AMD2:2017 IEC 60335-2-49:2017 (Consolidated version) EN 60335-2-49:2012 DIN EN 60335-2-49:2013 VDE 0700-49:2013	Household and similar electrical appliances - Safety - Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm	A
	IEC 60335-2-50:2002 EN 60335-2-50:2003 DIN EN 60335-2-50:2008 VDE 0700-50:2008	Household and similar electrical appliances - Safety - Part 2-50: Particular requirements for commercial electric bains-marie	A
	IEC 60335-2-51:2002 + A1:2008 + A2:2011 EN 60335-2-51:2003 + A1:2008 + A2:2012 DIN EN 60335-2-51:2012 VDE 0700-51:2012	Household and similar electrical appliances - Safety - Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations	A
	IEC 60335-2-52:2002 + A1:2008 EN 60335-2-52:2003 + A1:2008 + A11:2010 + A12:2019 DIN EN 60335-2-52:2020 VDE 0700-52:2020	Household and similar electrical appliances - Safety - Part 2-52: Particular requirements for oral hygiene appliances	A
	IEC 60335-2-53:2011 EN 60335-2-53:2011 DIN EN 60335-2-53:2012 VDE 0700-53:2012	Household and similar electrical appliances - Safety - Part 2-53: Particular requirements for sauna heating appliances and infrared cabins	A
	IEC 60335-2-54:2008 + A1:2015 EN 60335-2-54:2008 + A11:2012 + A1:2015 DIN EN 60335-2-54:2017 VDE 0700-54:2017	Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam	A

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	IEC 60335-2-55:2002+ AMD1:2008 EN 60335-2-55:2003+A1:2008 +A11:2018 DIN EN 60335-2-55:2019 VDE 0700-55:2019	Household and similar electrical appliances - Safety - Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds	A
	IEC 60335-2-56:2002 + AMD1:2008 + AMD2:2014 IEC 60335-2-56:2014 (consolidated version) EN 60335-2-56:2003 + A1:2008 + A2:2014 DIN EN 60335-2-56:2017 VDE 0700-56:2017	Household and similar electrical appliances - Safety - Part 2-56: Particular requirements for projectors and similar appliances	A
	IEC 60335-2-58:2002 + AMD1:2008+ AMD2:2015 IEC 60335-2-58:2017-12 EN 60335-2-58:2005 + A1:2008 EN 60335-2-58:2005 + A11:2010 EN 60335-2-58:2005 + A2:2015 EN 60335-2-58:2005 + A12:2016-01 DIN EN 60335-2-58:2010 VDE 0700-58:2010	Household and similar electrical appliances - Safety - Part 2-58: Particular requirements for commercial electric dishwashing machines	A
	IEC 60335-2-59:2002 + AMD1:2006 + AMD2:2009 IEC 60335-2-59:2009 (consolidated version) EN 60335-2-59:2009 DIN EN 60335-2-59:2010 VDE 0700-59:2010	Household and similar electrical appliances - Safety - Part 2-59: Particular requirements for insect killers	A
	IEC 60335-2-60:2002 EN 60335-2-60:2003 DIN EN 60335-2-60:2010 VDE 0700-60:2010	Household and similar electrical appliances - Safety - Part 2-60: Particular requirements for whirlpool baths and whirlpool spas	A

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	IEC 60335-2-61:2002 EN 60335-2-61:2003 DIN EN 60335-2-61:2009 VDE 0700-61:2009	Household and similar electrical appliances - Safety - Part 2-61: Particular requirements for thermal-storage room heaters	A
	IEC 60335-2-62:2002 EN 60335-2-62:2003 DIN EN 60335-2-62:2008 VDE 0700-62:2008	Household and similar electrical appliances - Safety - Part 2-62: Particular requirements for commercial electric rinsing sinks	A
	IEC 60335-2-64:2002 + AMD1:2007 + AMD2:2017 IEC 60335-2-64:2017 (consolidated version) EN 60335-2-64:2002 DIN EN 60335-2-64:2004 VDE 0700-64:2004	Safety of household and similar electrical appliances - Part 2-64: Particular requirements for commercial electric kitchen machines	A
	IEC 60335-2-65:2002 EN 60335-2-65:2003 DIN EN 60335-2-65:2013 VDE 0700-65:2013	Household and similar electrical appliances - Safety - Part 2-65: Particular requirements for air-cleaning appliances	A
	IEC 60335-2-66:2002 + A1:2008 + A2:2011 EN 60335-2-66:2003 + A1:2008 + A2:2012 + A11:2019 DIN EN 60335-2-66:2020 VDE 0700-66:2020	Household and similar electrical appliances - Safety - Part 2-66: Particular requirements for waterbed heaters	A
	IEC 60335-2-67:2012 EN 60335-2-67:2012 DIN EN 60335-2-67:2014 VDE 0700-67:2014	Household and similar electrical appliances - Safety - Part 2-67: Particular requirements for floor treatment machines for commercial use	A

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	IEC 60335-2-68:2002 EN 60335-2-68:2009 DIN EN 60335-2-68:2010 VDE 0700-68:2010	Household and similar electrical appliances - Safety - Part 2-68: Particular requirements for spray extraction machines for commercial use	A
	IEC 60335-2-70:2002 EN 60335-2-70:2002 DIN EN 60335-2-70:2008 VDE 0700-70:2008	Household and similar electrical appliances - Safety - Part 2-70: Particular requirements for milking machines	A
	IEC 60335-2-71:2002 EN 60335-2-71:2003 DIN EN 60335-2-71:2008 VDE 0700-71:2008	Household and similar electrical appliances - Safety - Part 2-71: Particular requirements for electrical heating appliances for breeding and rearing animals	A
	IEC 60335-2-72:2012 EN 60335-2-72:2012 DIN EN 60335-2-72:2014 VDE 0700-72:2014	Household and similar electrical appliances - Safety - Part 2-72: Particular requirements for automatic machines for floor treatment for commercial use	A
	IEC 60335-2-73:2002 EN 60335-2-73:2003 DIN EN 60335-2-73:2010 VDE 0700-73:2010	Household and similar electrical appliances - Safety - Part 2-73: Particular requirements for fixed immersion heaters	A
	IEC 60335-2-74:2002 + A1:2006 + A2:2009 EN 60335-2-74:2003 + A1:2006 + A2:2009 + A11:2018 DIN EN 60335-2-74:2019 VDE 0700-74:2019	Household and similar electrical appliances - Safety - Part 2-74: Particular requirements for portable immersion heaters	A

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	IEC 60335-2-75:2002 + A1:2004 + A2:2008 IEC 60335-2-75:2012 + AMD1:2015 + AMD2:2018 EN 60335-2-75:2004 + A1:2005 + A11:2006 + A2:2008 + A12:2010 DIN EN 60335-2-75:2010 VDE 0700-75:2010	Household and similar electrical appliances - Safety - Part 2-75: Particular requirements for commercial dispensing appliances and vending machines	A
	IEC 60335-2-76:2002 EN 60335-2-76:2005 DIN EN 60335-2-76 (VDE 0700-76):2015	Household and similar electrical appliances - Safety - Part 2-76: Particular requirements for electric fence energizers	A
	IEC 60335-2-77:2002 EN 60335-2-77:2010 DIN EN 60335-2-77:2011 VDE 0700-77:2011	Safety of household and similar appliances - Part 2-77: Particular requirements for pedestrian-controlled walk-behind electrically powered lawn mowers	A
	IEC 60335-2-78:2002 + A1:2008 EN 60335-2-78:2003 + A1:2008 + A11:2020 DIN EN 60335-2-78:2021 VDE 0700-78:2021	Household and similar electrical appliances - Safety - Part 2-78: Particular requirements for outdoor barbecues	A
	IEC 60335-2-79:2012 EN 60335-2-79:2012 DIN EN 60335-2-79 (VDE 0700-79): 2015	Household and similar electrical appliances - Safety - Part 2-79: Particular requirements for high pressure cleaners and steam cleaners	A

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	IEC 60335-2-80:2002 EN 60335-2-80:2003 DIN EN 60335-2-80:2009 VDE 0700-80:2009	Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans	A
	IEC 60335-2-80:2008	Particular requirements for fans	A
	IEC 60335-2-81:2002 EN 60335-2-81:2003 DIN EN 60335-2-81:2012 VDE 0700-81:2012	Household and similar electrical appliances - Safety - Part 2-81: Particular requirements for foot warmers and heating mats	A
	IEC 60335-2-82:2002 EN 60335-2-82:2003 DIN EN 60335-2-82:2009 VDE 0700-82:2009	Household and similar electrical appliances - Safety - Part 2-82: Particular requirements for amusement machines and personal service machines	A
	IEC 60335-2-83:2001 EN 60335-2-83:2002 DIN EN 60335-2-83:2009 VDE 0700-83:2009	Household and similar electrical appliances - Safety - Part 2-83: Particular requirements for heated gullies for roof drainage	A
	IEC 60335-2-84:2002 + A1:2008 +A2: 2013 IEC 60335-2-84:2019 EN 60335-2-84:2003 EN 60335-2-84:2003/A2:2019 DIN EN 60335-2-84:2009 VDE 0700-84:2009 DIN EN 60335-2-84 (VDE 0700- 84): 2020-10	Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilets	A
	IEC 60335-2-85:2002 + A1:2008 + A2:2017 EN 60335-2-85:2003 + A1:2008 + A11:2018 + A2:2020 DIN EN 60335-2-85:2020 VDE 0700-85:2020	Household and similar electrical appliances - Safety - Part 2-85: Particular requirements for fabric steamers	A

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	IEC 60335-2-86:2002 EN 60335-2-86:2003 DIN EN 60335-2-86:2006 VDE 0686:2006	Household and similar electrical appliances - Safety - Part 2-86: Particular requirements for electric fishing machines	A
	IEC 60335-2-87:2002 EN 60335-2-87:2002 DIN EN 60335-2-87:2008 VDE 0700-87:2008	Household and similar electrical appliances - Safety - Part 2-87: Particular requirements for electric animal-stunning equipment	A
	IEC 60335-2-88:2002 EN 60335-2-88:2002 DIN EN 60335-2-88:2003 VDE 0700-88:2003	Household and similar electrical appliances - Safety - Part 2-88: Particular requirements for humidifiers intended for use with heating, ventilation, or air-conditioning systems	A
	IEC 60335-2-89:2010 EN 60335-2-89:2010 DIN EN 60335-2-89:2010 VDE 0700-89:2010	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	A
	EN 60335-2-89:2010/A2:2017	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	A
	VDE 0700-89:2018-10	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	A
	IEC 60335-2-90:2006 EN 60335-2-90:2006 DIN EN 60335-2-90:2011 VDE 0700-90:2011	Household and similar electrical appliances - Safety - Part 2-90: Particular requirements for commercial microwave ovens	A

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	IEC 60335-2-89:2016	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	A
	IEC 60335-2-91:2002 EN 60335-2-91:2003 DIN EN 60335-2-91:2014 VDE 0700-91:2004 EN 50636-2-91:2014	Household and similar electrical appliances - Safety - Part 2-91: Particular requirements for walk-behind and hand-held lawn trimmers and lawn edge trimmers	A
	DIN EN 786:2012	Garden equipment - Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers - Mechanical safety	A
	EN 50434:2014	Safety of household and similar appliances – Particular requirements for mains operated shredders and chippers	A
	DIN EN 13683:2013	Garden equipment - Integrally powered shredders/chippers	A
	IEC 60335-2-95:2002 EN 60335-2-95:2004 DIN EN 60335-2-95:2005 VDE 0700-95:2005	Household and similar electrical appliances - Safety - Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use	A
	IEC 60335-2-96:2002 EN 60335-2-96:2002 DIN EN 60335-2-96:2009 VDE 0700-96:2009	Household and similar electrical appliances - Safety - Part 2-96: Particular requirements for flexible sheet heating elements	A
	IEC 60335-2-97:2002 EN 60335-2-97:2006 DIN EN 60335-2-97:2010 VDE 0700-97:2010	Household and similar electrical appliances - Safety - Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment	A

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	IEC 60335-2-98:2002 EN 60335-2-98:2003 DIN EN 60335-2-98:2009 VDE 0700-98:2009	Household and similar electrical appliances - Safety - Part 2-98: Particular requirements for humidifiers	A
	IEC 60335-2-99:2003 EN 60335-2-99:2003 DIN EN 60335-2-99:2004 VDE 0700-99:2004	Household and similar electrical appliances - Safety - Part 2-99: Particular requirements for commercial electric hoods	A
	IEC 60335-2-100:2002 DIN EN 60335-2-100:2010 VDE 0700-100:2010 EN 50636-2-100:2014	Household and similar electrical appliances - Safety - Part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums	A
	DIN EN 15503:2014	Garden equipment - Garden blowers, vacuums and blowers/vacuums – Safety	A
	IEC 60335-2-101:2002 EN 60335-2-101:2002 DIN EN 60335-2-101:2009 VDE 0700-101:2009	Household and similar electrical appliances - Safety - Part 2-101: Particular requirements for vaporizers	A
	EN 60335-2-102:2006 DIN EN 60335-2-102:2010 VDE 0700-102:2010	Household and similar electrical appliances - Safety - Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections	A
	IEC 60335-2-102:2017	Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections	A
	IEC 60335-2-103:2002 EN 60335-2-103:2003 DIN EN 60335-2-103:2010 VDE 0700-103:2010 DIN EN 60335-2-103 (VDE 0700-103):2016	Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows	A

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	IEC 60335-2-103:2015	Particular requirements for drives for gates, doors and windows	A
	IEC 60335-2-105:2004 IEC 60335-2-105:2016 + AMD1:2019 EN 60335-2-105:2005 DIN EN 60335-2-105:2010 VDE 0700-105:2010-07	Household and similar electrical appliances - Safety - Part 2-105: Particular requirements for multifunctional shower cabinets	A
	IEC 60335-2-106:2007 EN 60335-2-106:2007 DIN EN 60335-2-106:2008 VDE 0700-106:2008	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	A
	IEC 60335-2-107:2017	Household and similar electrical appliances - Safety - Part 2-108: Particular requirements for electrolyzers	A
	DIN EN 50636-2-107 (VDE 0700-107:2016)	Household and similar electrical appliances - Safety - Part 2-108: Particular requirements for electrolyzers (IEC 60335-2-107:2012, modified); German Version EN 50636-2-107:2015	A
	IEC 60335-2-108:2008 EN 60335-2-108:2008 DIN EN 60335-2-108:2009 VDE 0700-108:2009	Household and similar electrical appliances - Safety - Part 2-108: Particular requirements for electrolyzers	A
	IEC 60335-2-109:2010+ AMD1:2013 + AMD2:2016 EN 60335-2-109:2012 + A1:2018 + A2:2018 DIN EN 60335-2-109:2019 VDE 0700-109:2019	Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances	A

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	IEC 60335-2-118:2020-03	Household and similar electrical appliances – Safety – Part 2-118: Particular requirements for professional ice-cream makers	A
	VDE 0700-201:2006 DIN VDE 0700-201:2006	Safety of household and similar electrical appliances - Part 201: Central thermal storage heaters for hot water heating and for air heating	A
	EN 50408:2008 DIN EN 50408:2012 VDE 0700-230:2012	Household and similar electrical appliances - Safety - Particular requirements for cab heaters for vehicles	A
	DIN VDE 0700-244:1987	Safety of household and similar electrical appliances; annealing furnace and burning ovens	A
	VDE 0700-245:1984 DIN VDE 0700-244:1984	Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke – Nebelgeräte	A
	VDE 0700-253:2004 DIN VDE 0700-253:2004	Safety of household and similar electrical appliances; smoke machines	A
	VDE 0700-366:2008 DIN EN 62233:2008	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure	A
3.1	Industrial electroheat installations		
	IEC 60519-1:2010 EN 60519-1:2011 DIN EN 60519-1:2011 VDE 0721-1:2011	Safety in installations for electroheating and electromagnetic processing - Part 1: General requirements	A
	IEC 60519-2:2006 EN 60519-2:2006 DIN EN 60519-2:2007 VDE 0721-2:2007	Safety in electroheat installations - Part 2: Particular requirements for resistance heating equipment	A

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	IEC 60519-8:2005 EN 60519-8:2005 DIN EN 60519-8:2006 VDE 0721-8:2006	Safety in electroheat installations - Part 8: Particular requirements for electroslag remelting furnaces	A
	IEC 60519-9:2005 EN 60519-9:2005 DIN EN 60519-9:2006 VDE 0721-9:2006	Safety in electroheat installations - Part 9: Particular requirements for high-frequency dielectric heating installations	A
	IEC 60519-10:2013 EN 60519-10:2013 DIN EN 60519-10:2014 VDE 0721-10:2014	Safety in electroheat installations - Part 10: Particular requirements for electrical resistance trace heating systems for industrial and commercial applications	A
	IEC 60519-11:2007 EN 60519-11:2007 DIN EN 60519-11:2008 VDE 0721-11:2008	Safety in electroheat installations - Part 11: Particular requirements for installations for electromagnetic stirring, transport or pouring of metal liquids	A
	IEC 60519-12:2013 EN 60519-12:2013 DIN EN 60519-12:2014 VDE 0721-12:2014	Safety in electroheating installations - Part 12: Particular requirements for infrared electro-heating installations	A
	IEC 60519-21-2008 EN 60519-21:2009 DIN EN 60519-21:2009 VDE 0721-21:2009	Safety in electroheat installations - Part 21: Particular requirements for resistance heating equipment - Heating and melting glass equipment	A
3.2	Safety of hand-held motor-operated tools		
	IEC 60745-1:2006+ AMD1:2002+AMD2:2003 DIN EN 60745-1:2010+A11:2011 VDE 0740-1:2010+A11:2011	Hand-held motor-operated electric tools - Safety - Part 1: General requirements	A

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	IEC 62841-1:2014+Cor.1:2014+ Cor. 2:2015	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements (IEC 62841-1:2014, modified + Cor. 1:2014 + Cor. 2:2015); German version EN 62841-1:2015 + AC:2015	A
	DIN EN 62841-1:2016+Ber.1:2021 VDE 0740-1:2016+Ber.1:2021 EN 62841-1:2015 + AC:2015+Ber.1:2021	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements (IEC 62841-1:2014, modified + Cor. 1:2014 + Cor. 2:2015); German Version EN 62841-1:2015 + AC:2015	A
	IEC 60745-2-1:2003+ A1:2008 DIN EN 60745-2-1:2011 VDE 0740-2-1:2011	Hand-held motor-operated electric tools - Safety - Part 2-1: Particular requirements for drills and impact drills	A
	IEC 60745-2-2:2003+ A1:2008 DIN EN 60745-2-2:2011 VDE 0740-2-2:2011	Safety of hand-held electric motor-operated tools - Part 2-2: Particular requirements for screw-drivers and impact wrenches	A
	IEC/EN 62841-2-1:2017 EN 62841-2-1:2018+A11:2019	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety Part 2-1: Particular requirements for hand-held drills and impact drills	A
	IEC 62841-2-2:2014+ Cor1:2015 EN 62841-2-2:2014+ AC:2015	Electric motor-operated handheld tools, transportable tools and lawn and garden machinery - Safety - Part 2-2: Particular requirements for hand-held screwdrivers and impact wrenches	A
	IEC 60745-2-3:2006+ AMD1:2010+AMD2:2012 DIN EN 60745-2-3:2015+A13:2016 VDE 0740-2-3:2015+A13:2016	Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders	A

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	IEC 60745-2-4:2002+A1:2008 DIN EN 60745-2-4:2012 VDE 0740-2-4:2012	Hand-held motor-operated electric tools - Safety - Part 2-4: Particular requirements for sanders and polishers other than disc type	A
	IEC 62841-2-4:2014 EN 62841-2-4:2014	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type	A
	IEC 60745-2-5:2010 DIN EN 60745-2-5:2011 VDE 0740-2-5:2011	Hand-held motor-operated electric tools - Safety - Part 2-5: Particular requirements for circular saws	A
	IEC 62841-2-5:2014 EN 62841-2-5:2014	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-5: Particular requirements for handheld circular saws	A
	DIN EN 62841-2-8 (VDE 0740-2- 8): 2010-02 DIN EN 62841-2-8: 2017-05 VDE 0740-2-8: 2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-8: Particular requirements for hand-held shears and nibblers (IEC 62841-2-8:2016, modified); German version EN 62841-2-8:2016	A
	EN 62841-2-8:2016	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-8: Particular requirements for hand-held shears and nibblers	A
	IEC/EN 62841-2-10:2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety Part 2-10: Particular requirements for hand-held mixers	A

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	IEC/EN 62841-2-11:2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Part 2-11: Particular requirements for hand-held reciprocating saws	A
	IEC/EN 62841-2-17:2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety Part 2-17: Particular requirements for hand-held routers	A
	IEC 62841-3-4:2016 + A1:2019 EN 62841-3-4:2016 + AC:2017 +A11:2017+A1:2020+A12:2020	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Part 3-4: Particular requirements for transportable bench grinders	A
	IEC/EN 62841-3-10:2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Part 3-10: Particular requirements for transportable cut-off machines	A
	IEC/EN 62841-3-13:2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety Part 3-13: Particular requirements for transportable drills	A
	IEC/EN 62841-3-14:2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Part 3-14: Particular requirements for transportable drain cleaners	A
	IEC 60745-2-6:2003+ A1:2006 + A2: 2008 DIN EN 60745-2-6:2011 VDE 0740-2-6:2011	Hand-held motor-operated electric tools - Safety - Part 2-6: Particular requirements for hammers	A
	IEC 60745-2-7:1989	Safety of hand-held motor-operated electric tools; Part 2: Particular requirements for spray guns for non-flammable liquids	A

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	EN 50580:2012+A1:2013 DIN EN 50580:2014 VDE 0740-2-7:2014	Safety of hand-held electric motor operated tools - Particular requirements for spray guns	A
	IEC 60745-2-8:2003 DIN EN 60745-2-8:2010 VDE 0740-2-8:2010	Hand-held motor-operated electric tools - Safety - Part 2-8: Particular requirements for shears and nibblers	A
	IEC 60745-2-9:2003 DIN EN 60745-2-9:2010 VDE 0740-2-9:2010	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-9: Particular requirements for hand-held tappers and threaders	A
	IEC 60745-2-11:2003 DIN EN 60745-2-11:2011 VDE 0740-2-11:2011	Hand-held motor-operated electric tools - Safety - Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws)	A
	IEC 60745-2-12:2003 DIN EN 60745-2-12:2009 VDE 0740-2-12:2009	Hand-held motor-operated electric tools - Safety - Part 2-12: Particular requirements for concrete vibrators	A
	IEC 60745-2-13:2006 DIN EN 60745-2-13:2011 VDE 0740-2-13:2011	Hand-held motor-operated electric tools - Safety - Part 2-13: Particular requirements for chain saws	A
	IEC 62841-4-1:2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-1: Particular requirements for chain saws	A
	EN 62841-4-2:2019	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 4-2: Particular requirements for hedge trimmers	A

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	IEC 60745-2-14:2003 DIN EN 60745-2-14:2011 VDE 0740-2-14:2011	Hand-held motor-operated electric tools - Safety - Part 2-14: Particular requirements for planers	A
	IEC 60745-2-15:2006 DIN EN 60745-2-15:2010 VDE 0740-2-15:2010	Hand-held motor-operated electric tools - Safety - Part 2-15: Particular requirements for hedge trimmers	A
	ISO 10517:2009 EN ISO 10517:2009 DIN EN ISO 10517:2014	Powered hand-held hedgetrimmers – Mechanical safety	A
	IEC 60745-2-16:2008 DIN EN 60745-2-16:2011 VDE 0740-2-16:2011	Hand-held motor-operated electric tools - Safety - Part 2-16: Particular requirements for tackers	A
	IEC 60745-2-17:2010 DIN EN 60745-2-17:2011 VDE 0740-2-17:2011	Hand-held motor-operated electric tools - Safety - Part 2-17: Particular requirements for routers and trimmers	A
	IEC 60745-2-18:2003 DIN EN 60745-2-18:2010 VDE 0740-2-18:2010	Hand-held motor-operated electric tools - Safety - Part 2-18: Particular requirements for strapping tools	A
	IEC 60745-2-19:2005 DIN EN 60745-2-19:2011 VDE 0740-2-19:2011	Hand-held motor-operated electric tools - Safety - Part 2-19: Particular requirements for jointers	A
	IEC 60745-2-20:2003 DIN EN 60745-2-20:2010 VDE 0740-2-20:2010	Hand-held motor-operated electric tools - Safety - Part 2-20: Particular requirements for band saws	A
	IEC 60745-2-21:2002 DIN EN 60745-2-21:2011 VDE 0740-2-21:2011	Hand-held motor-operated electric tools - Safety - Part 2-21: Particular requirements for drain cleaners	A

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	IEC 60745-2-22:2011 DIN EN 60745-2-22:2013 VDE 0740-2-22:2013	Hand-held motor-operated electric tools - Safety - Part 2-22: Particular requirements for cut-off machines	A
	IEC 60745-2-23:2012 DIN EN 60745-2-23:2013 VDE 0740-2-23:2013	Hand-held motor-operated electric tools - Safety - Part 2-23: Particular requirements for die grinders and small rotary tools	A
3.3 Safety of transportable motor-operated electric tools			
	IEC 61029-1:1990 DIN EN 61029-1:2010 VDE 0740-500:2010	Safety of transportable motor-operated electric tools - Part 1: General requirements	A
	IEC 61029-2-1:1993 DIN EN 61029-2-1:2013 VDE 0740-501:2013	Safety of transportable motor-operated electric tools - Part 2-1: Particular requirements for circular saw benches	A
	IEC 62841-3-1:2014 EN 62841-3-1:2014	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-1: Particular requirements for transportable table saws	A
	IEC 61029-2-2:1993	Safety of transportable motor-operated electric tools; Part 2: particular requirements for radial arm saws	A
	IEC 61029-2-3:1993 DIN EN 61029-2-3:2012 VDE 0740-503:2012	Safety of transportable motor-operated electric tools - Part 2-3: Particular requirements for planers and thicknessers	A
	IEC 61029-2-4:1993 DIN EN 61029-2-4:2011 VDE 0740-504:2011	Safety of transportable motor-operated electric tools - Part 2-4: Particular requirements for bench grinders	A

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	IEC 61029-2-5:1993 DIN EN 61029-2-5:2012 VDE 0740-505:2012	Safety of transportable motor-operated electric tools - Part 2-5: Particular requirements for band	A
	IEC 61029-2-6:1993 DIN EN 61029-2-6:2011 VDE 0740-506:2011	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system	A
	IEC 62841-3-13:2017 EN 62841-3-13:2017	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-13: Particular requirements for transportable drills	A
	IEC 62841-3-6:2014 EN 62841-3-6:2014	Electric motor operated handheld tools, transportable tools and lawn and garden machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system	A
	IEC 61029-2-7:2014	Safety of transportable motor-operated electric tools - Part 2: Particular requirements for diamond saws with water supply	A
	IEC 61029-2-8:1995 DIN EN 61029-2-8:2010 VDE 0740-508:2010	Safety of transportable motor-operated electric tools - Part 2-8: Particular requirements for single spindle vertical moulders	A

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	IEC 61029-2-9:1995 DIN EN 61029-2-9:2014 VDE 0740-509:2014	Safety of transportable motor-operated electric tools - Part 2-9: Particular requirements for mitre saws	A
	IEC 61029-2-10:1998 DIN EN 61029-2-10:2014 VDE 0740-510:2014	Safety of transportable motor-operated electric tools - Part 2-10: Particular requirements for cutting-off grinders	A
	IEC 61029-2-11:2001 DIN EN 61029-2-11:2014 VDE 0740-511:2014	Safety of transportable motor-operated electric tools - Part 2-11: Particular requirements for combined mitre and bench saws	A
	IEC 61029-2-12:2010 DIN EN 61029-2-12:2011 VDE 0740-512:2011	Safety of transportable motor-operated electric tools - Part 2-12: Particular requirements for threading machines	A
3.4	Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling		
	DIN EN 14511-1:2018 DIN EN 14511-1:2019-07	Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 1: Terms, definitions and classification	A
	DIN EN 14511-2:2018 DIN EN 14511-2:2019-07	Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 2: Test conditions	A
	DIN EN 14511-3:2018 DIN EN 14511-3:2019-07	Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 3: Test methods	A

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	DIN EN 14511-4:2018 DIN EN 14511-4:2019-07	Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 4: Operating requirements, marking and instructions	A
	ISO 5151:2010	Non-ducted air conditioners and heat pumps - Testing and rating for performance	A
	EN ISO 9614-2:1996	Acoustics - Determination of sound power levels of noise sources using sound intensity	A
	DIN EN ISO 10472-1:2009	Safety requirements for industrial laundry machinery - Part 1: Common requirements	A
	ISO 13253:2011	Ducted air-conditioners and air-to air heat pumps - Testing and rating performance	A
	ISO 13256-1:1998 ISO 13256-2:1998	Water-source heat pumps - Testing and rating for performance - Part 1: Water-to-air and brine-to-air heat pumps	A
	DIN EN 14825:2016 DIN EN 14825:2019-07	Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling - Testing and rating at part load conditions and calculation of seasonal performance	A
	DIN EN 16147:2017-08	Heat pumps with electrically driven compressors - Testing and requirements for marking of domestic hot water units	A

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	ISO 13261-2:1998	Sound power rating of air-conditioning and air-source heat pump equipment - Part 1: Non-ducted outdoor equipment	A
3.5	Miniature Fuses		
	IEC 60127-1:2006 EN 60127-1:2006 VDE 0820-1:2011 DIN EN 60127-1 (VDE 0820-1):2015	Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links	A
	VDE 0820-1:2015	Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links	A
	IEC 60127-2:2014 EN 60127-2:2014 VDE 0820-2:2015	Miniature fuses - Part 2: Cartridge fuse-links	A
	IEC 60127-3:1988 EN 60127-3:1996 VDE 0820-3:2003 DIN EN 60127-3 (VDE 0820-3):2015	Miniature fuses - Part 3: Sub-miniature fuse-links	A
	IEC 60127-3:2015 EN 60127-3:2015 VDE 0820-3:2015	Miniature fuses - Part 3: Sub-miniature fuse-links	A
	IEC 60127-4:2005 EN 60127-4:2005 VDE 0820-4:2013	Miniature fuses - Part 4: Universal modular fuse-links (UMF) - Through-hole and surface mount types	A
	IEC 60127-5:2016 EN 60127-5:2017 VDE 0820-5:2017	Miniature fuses; part 5: guidelines for quality assessment of miniature fuse-links	A
	IEC 60127-6:2014 EN 60127-6:2014 VDE 0820-6:2015	Miniature fuses - Part 6: Fuse-holders for miniature fuse-links	A

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	IEC 60127-7:2013 EN 60127-7:2013 VDE 0820-7:2014 DIN EN 60127-7 (VDE 0820-7):2016	Miniature fuses - Part 7: Miniature fuse-links for special applications	A
	IEC 60127-7:2015 EN 60127-7:2016 VDE 0820-7:2016	Miniature fuses - Part 7: Miniature fuse-links for special applications	A
	IEC 60127-10:2001 EN 60127-10:2002 VDE 0820-10:2002	Miniature fuses - Part 10: User guide for miniature fuses	A
3.6	Thermal links		
	IEC 60691:2015 EN 60691:2016 VDE 0821:2017	Thermal-links - Requirements and application guide	A
3.7	Capacitors		
	VDE 0560-1:1969	Specifications for capacitors; General requirements	A
	IEC 60358-1:2012 EN 60358-1:2012 VDE 0560-2:2013	Coupling capacitors and capacitor dividers - Part 1: General rules	A
	IEC 60252-1:2010 EN 60252-1:2011 VDE 0560-8:2014	AC motor capacitors - Part 1: General – Performance, testing and rating - Safety requirements - Guidance for installation and operation	A
	IEC 60110-1:1998 EN 60110-1:1998 VDE 0560-9:1999	Power capacitors for induction heating installations. Part 1: general	A
	VDE 0560-10:1964	Rules for capacitors; part 10: Rules for high frequency power capacitors	A

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	IEC 61270-1:1996 EN 61270-1:1996 VDE 0560-22:1997	Capacitors for microwave ovens - Part 1: General	A
	IEC 60143-4:2010 EN 60143-4:2010 VDE 0560-41:2011	Series capacitors for power systems - Part 4: Thyristor controlled series capacitors	A
	IEC 60143-1:2015 EN 60143-1:2015 VDE 0560-42:2016	Series capacitors for power systems - Part 1: General	A
	IEC 60143-2:2012 EN 60143-2:2013 VDE 0560-43:2014	Series capacitors for power systems - Part 2: Protective equipment for series capacitor banks	A
	IEC 60143-3:2015 EN 60143-3:2015 VDE 0560-44:2016	Series capacitors for power systems - Part 3: Internal fuses	A
	IEC 60931-3:1996 EN 60931-3:1996 VDE 0560-45:1997	Shunt power capacitors of non-self-healing type for a. c. systems having a rated voltage up to and including 1 kV - Part 3: Internal fuses	A
	IEC 60831-1:2014 EN 60831-1:2014 VDE 0560-46:2014	Shunt power capacitors of the self-healing type for a. c. systems having a rated voltage up to and including 1 kV - Part 1: General, performance, testing and rating, safety requirements; guide for installation and operation	A
	IEC 60831-2:2014 EN 60831-2:2014 VDE 0560-47:2014	Shunt power capacitors of the self-healing type for A. C. systems having a rated voltage up to and including 1000 V - Part 2: Ageing test, self-healing test and destruction test	A

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	IEC 60931-1:1996 EN 60931-1:1996 VDE 0560-48:2003	Shunt power capacitors of the non-self-healing type for a. c. systems having a rated voltage up to and including 1 kV - Part 1: General; Performance, testing and rating; Safety requirements; Guide for installation and operation	A
	IEC 60931-2:1995 EN 60931-2:1996 VDE 0560-49:1997	Shunt power capacitors of the non-self-healing type for a. c. systems having a rated voltage up to and including 1 kV - Part 2: Ageing test and destruction test	A
	IEC 61048:2006 + A1:2015 EN 61048:2006 + A1:2016 VDE 0560-61:2007	Auxiliaries for lamps - Capacitors for use in tubular fluorescent and other discharge lamp circuits - General and safety requirements – (IEC 61048:2006 + A1:2015); German Version EN 61048:2006 + A1:2016	A
	IEC 61049:1991 EN 61049:1993 VDE 0560-62:1994	Capacitors for use in tubular fluorescent and other discharge lamp circuits; performance requirements	A
	IEC 60252-2:2010 EN 60252-2:2011 VDE 0560-82:2014	A C motor capacitors - Part 2: Motor start capacitors	A
	IEC 61071:2007 EN 61071:2007 VDE 0560-120:2008	Capacitors for power electronics	A
	IEC 60871-1:2014 EN 60871-1:2014 VDE 0560-410:2015	Shunt capacitors for A C power systems having a rated voltage above 1000 V - Part 1: General	A
	IEC/TS 60871-2:2014 VDE 0560-420:2015	Capacitors; shunt capacitors for a. c. power systems having a rated voltage above 1000 V; Part 2: Endurance testing	A

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	IEC 61642:1997 EN 61642:1997 VDE 0560-430:1998	Industrial a. c. networks affected by harmonics - Application of filters and shunt capacitors	A
	IEC 60871-4:2014 EN 60871-4:2014 VDE 0560-440:2015	Shunt capacitors for A C power systems having a rated voltage above 1000 V - Part 4: Internal fuses	A
	IEC 61921:2017 EN 61921:2017 VDE 0560-700:2004	Power capacitors - Low-voltage power factor correction banks	C
	EN 137000:1995 VDE 0560-800:1998	Generic specification: Fixed aluminium electrolytic a. c. capacitors with non-solid electrolyte for use with motors	A
	EN 137100:1995 VDE 0560-810:1998	Sectional specification - Fixed aluminium electrolytic a.c. capacitors with non-solid electrolyte for motor starter applications – Qualification approval	A
	EN 137101:1995 VDE 0560-811:1998	Blank detail specification - Fixed aluminium electrolytic a. c. capacitors with non-solid electrolyte for motor starter applications – Qualification approval	A
3.8	Fixed capacitors, inductors and passive filter units for electromagnetic interference suppression		
	IEC 60940:2015 EN 60940:2015 VDE 0565:2015	Guidance information on the application of capacitors, resistors, inductors and complete filter units for radio interference suppression	A

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	IEC 60384-1:2016 EN 60384-1:2016 VDE 0565-1:2017	Fixed capacitors for use in electronic equipment - Part 1: Generic specification	A
	IEC 60384-14:2013 EN 60384-14:2013 VDE 0565-1-1:2014	Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	A
	IEC 60384-14-1:2016 EN 60384-14-1:2016 VDE 0565-1-2:2016	Fixed capacitors for use in electronic equipment - Part 14-1: Blank detail specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains – Assessment level DZ – (IEC 60384-14-1:2016); German Version EN 60384-14-1:2016	A
	IEC 60384-14-2:2016 EN 60384-14-2:2017 VDE 0565-1-3:2017	Fixed capacitors for use in electronic equipment - Part 14-2: Blank detail specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains - Safety tests only – (IEC 60384-14-2:2016); German Version EN 60384-14-2:2016	A
	IEC 60938-1:1999 EN 60938-1:1999 VDE 0565-2:2008	Fixed inductors for electromagnetic interference suppression - Part 1: Generic specification	A
	IEC 60938-2:1999 EN 60938-2:1999 VDE 0565-2-1:2008	Fixed inductors for electromagnetic interference suppression - Part 2: Sectional specification	A

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	IEC 60938-2-1:1999 EN 60938-2-1:1999 VDE 0565-2-2:2000	Blank detail specification - Fixed inductors for electromagnetic interference suppression (Inductors for which safety tests are required) - Assessment level D	A
	IEC 60938-2-2:1999 EN 60938-2-2:1999 VDE 0565-2-3:2000	Fixed inductors for electromagnetic interference suppression - Part 2-2: Blank detail specification, inductors for which safety tests are required (only)	A
	IEC 60939-1:2010 EN 60939-1:2010 VDE 0565-3:2011	Passive filter units for electromagnetic interference suppression - Part 1: Generic specification	A
	IEC 60939-2:2005 EN 60939-2:2005 VDE 0565-3-1:2006	Passive filter units for electromagnetic interference suppression - Part 2: Sectional specification: Passive filter units for which safety tests are appropriate - Test methods and general requirements	A
	IEC 60939-2-1:2004 EN 60939-2-1:2004 VDE 0565-3-2:2005	Complete filter units for radio interference suppression - Part 2-1: Blank detail specification - Passive filter units for electromagnetic interference suppression - Filters for which safety tests are required (assessment level D/DZ)	A
	IEC 60939-2-2:2004 EN 60939-2-2:2004 VDE 0565-3-3:2005	Complete filter units for radio interference suppression - Part 2-2: Blank detail specification - Passive filter units for electromagnetic interference suppression - Filters for which safety tests are required (Safety tests only)	A

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	IEC 60939-3:2015 + COR1:2016 EN 60939-3:2015 + AC:2016 DIN EN 60939-3 (VDE 0565-3-4):2016	Passive filter units for electromagnetic interference suppression - Part 3: Passive filter units for which safety tests are appropriate – (IEC 60939-3:2015 + COR1:2016); German Version EN 60939-3:2015 + AC:2016	A
3.9	Portable residual current devices without integral over-current protection (PRCDi)		
	DIN IEC 62335 (VDE 0661-20):2008	Switched protective earth portable residual current devices (SPE-PRCD) for class I and battery powered vehicle applications	C
3.10	Charging line integrated control and protection device		
	DIN IEC 62752 (VDE 0666-10):2012	In-Cable Residual Current Device for mode 2 charging of electric road vehicles (IC-RCD)	A
	DIN EN 62752 (VDE 0666-10):2017-04 Only Clause 9.26	In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD) (IC-CPD); (IEC 62752:2016); German Version EN 62752:2016	A
	IEC 62752:2016-03 Only Clause 9.26, Annex A	In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD)	A
	IEC 61851-1:2010 EN 61851-1:2011 DIN EN 61851-1:2012	Electric vehicle conductive charging system - Part 1: General requirements	A
	IEC 61851-1:2017	Electric vehicle conductive charging system - Part 1: General requirements	A

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	IEC/TS 61439-7:2014 DIN IEC/TS 61439-7:2014	Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicles charging stations	A, C
3.11	Low Voltage Fuses		
	VDE 0635:1984-02 DIN 57635:1984-02	Low-voltage fuses; D-fuses E 16 up to 25 A, 500 V; D-fuses up to 100 A, 750 V; D-fuses up to 100 A, 500 V	C
	IEC 60269-1:2006 + AMD1:2009 + AMD2:2014 EN 60269-1:2007 + A1:2009 + A2: 2014 VDE 0636-1:2015-05	Low-voltage fuses; general requirements	C
	IEC 60269-2:2013 HD 60269-2:2013 VDE 0636-2:2014-09	Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application)	C
	IEC 60269-3:2010 HD 60269-3:2010 VDE 0636-3:2013-12	Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) - Examples of standardized systems of fuses A to F	C
	IEC 60269-6:2010 + COR:2010 EN 60269-6:2011 VDE 0636-6:2011-11	Low-voltage fuses - Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems	C

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	VDE 0636-21:2015-03	Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - National Supplement 1: Protection of special electrical systems	C
	VDE 0636-31:2015-03	Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F - National Supplement 1: Rated voltage = AC 690 V and rated voltage = DC 600 V	C
	IEC 62019:1999 EN 62019:1999 VDE 0640:2015	Electrical accessories - Circuit- breakers and similar equipment for household use – Auxiliary contact units	C
	EN 50550:2011 VDE 0640-10:2015	Power frequency overvoltage protective device for household and similar applications (POP)	C
	EN 50557:2011 VDE 0640-20:2012	Requirements for automatic reclosing devices (ARDs) for circuit breakers- RCBOs-RCCBs for household and similar uses	C
3.12	Circuit-breakers for overcurrent protection		
	IEC 60898-1:2002 EN 60898-1:2003 EN 60898-1:2019-01	Electrical accessories – Circuit breakers for overcurrent	C

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	VDE 0641-11:2006	protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (IEC 60898-1:2015, modified)Elektrisches Installationsmaterial - Leitungsschutzschalter für Hausinstallationen und ähnliche Zwecke - Teil 1: Leitungsschutzschalter für Wechselstrom (AC)	
	IEC 60898-1:2015	Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a. c. operation	C
	IEC 60898-2:2000 EN 60898-2:2006 VDE 0641-12:2007	Circuit-breakers for overcurrent protection for household and similar installations - Part 2: Circuit-breakers for a. c. and d. c. operation	C
	IEC 60898-2:2016	Circuit-breakers for overcurrent protection for household and similar installations - Part 2: Circuit-breakers for a. c. and d. c. operation	C
	VDE 0641-21:2018	Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 21: Selective main circuit-breakers	C
	VDE V 0641-100:2011	Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Circuit-breakers for a. c. operation - Part 100: Annex L - Particular requirements for additional devices	C

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3.13	Circuit-breaker For Equipment (CBE)		
	IEC 60934:2000 EN 60934:2001 VDE 0642:2013	Circuit-breakers for equipment (CBE)	C
3.14	Selective main circuit-breaker functionally dependent online voltage (RCCBs)		
	IEC 61008-1:2010 EN 61008-1:2012 VDE 0664-10:2018	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules	C
	IEC 61008-2-1:1990 EN 61008-2-1:1994 VDE 0664-11:1999	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) - Part 2-1: Applicability of the general rules to RCCB's functionally independent of line voltage	C
	IEC 61543:1995 EN 61543:1995 VDE 0664-30:2006	Residual current-operated protective devices (RCD's) for household and similar use – Electromagnetic compatibility	C (without EMC)
	IEC 62423:2009 EN 62423:2012 VDE 0664-40:2013	Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses	C
	VDE 0664-101:2003	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 101: Applicability of the general rules to RCCBs for rated voltage exceeding 440 V AC or rated current exceeding 125 A	C

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	VDE V 0664-120:2010	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) - Part 120: Annex M - Particular requirements for additional devices	C
	VDE 0664-400:2012	Residual current operated circuit-breakers type B without integral overcurrent protection to operate at residual alternating and residual direct currents for advanced preventative protection against fire - Part 400: RCCB Type B+	C
3.15	Residual current operated circuit-breakers with integral overcurrent protection (RCBOs)		
	IEC 61009-1:2010 EN 61009-1:2012 VDE 0664-20:2016	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules	C
	IEC 61009-2-1:1991 EN 61009-2-1:1994 VDE 0664-21:1999	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 2-1: Applicability of the general rules to RCBO's functionally independent of line voltage	C
	IEC 61543:1995 EN 61543:1995 VDE 0664-30:2006	Residual current-operated protective devices (RCD's) for household and similar use – Electromagnetic compatibility	C
	IEC 62423:2009 EN 62423:2012 VDE 0664-40:2013	Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses	C

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	VDE V 0664-220:2010	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 220: Annex M - Particular requirements for additional devices	C
	VDE 0664-401:2012	Residual current operated circuit-breakers type B with integral overcurrent protection to operate at residual alternating and residual direct currents for advanced preventative protection against fire - Part 401: RCBO Type B+	C
	VDE V 0664-420:2010	Type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses (Type B RCCBs and Type B RCBOs) - Part 420: Annex M - Particular requirements for additional devices	C
3.16	Low-voltage switchgear and controlgear		
	IEC 60947-1:2007 IEC 60947-1:2020 EN 60947-1:2007 VDE 0660-100:2015	Low-voltage switchgear and controlgear - Part 1: General rules	C
	IEC 60947-2:2016 IEC 60947-2 + COR1:2016 + AMD1:2019 EN 60947-2:2017 + A1:2020 VDE 0660-101:2014 DIN EN 60947-2 (VDE 0660-101): 2020-11	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	C

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	IEC 60947-3:2008 EN 60947-3:2009 VDE 0660-107:2012 DIN EN 60947-3 (VDE 0660-107):2017	Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units	C
	IEC 60947-4-1:2009 IEC 60947-4-1:2018-10 EN 60947-4-1:2010 EN IEC 60947-4-1:2019 VDE 0660-102:2014 DIN EN IEC 60947-4-1 (VDE 0660-102):2020-05	Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters	C
	IEC 60947-4-2:2011 IEC 60947-4-2:2020-06 EN 60947-4-2:2012 VDE 0660-117:2013	Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semi-conductor motor controllers and starters	C
	IEC 60947-4-3:2014 IEC 60947-4-3:2020-07 EN 60947-4-3:2014 VDE 0660-109:2015	Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - AC semi-conductor controllers and contactors for non-motor loads	C
	IEC 60947-5-1:2003 EN 60947-5-1:2017 VDE 0660-200:2010	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	C
	IEC 60947-5-2:2007 IEC 60947-5-2:2019 EN 60947-5-2:2007 EN 60947-5-2:2007 + A1:2012 DIN EN (VDE 0660-208):2021-04 DIN EN IEC 60947-5-2:2021-04	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches	C

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	IEC 60947-5-5:1997 EN 60947-5-5:1997 VDE 0660-210:2005	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	C
	IEC 60947-6-1:2005 EN 60947-6-1:2005 VDE 0660-114:2014	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment – Transfer switching equipment	C
	IEC 60947-6-2:2002 EN 60947-6-2:2003 VDE 0660-115:2007	Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment – Control and protective switching devices (or equipment) (CPS)	C
3.17	Electromechanical contactors for household		
	IEC 61095:2009 EN 61095:2009 VDE 0637-3:2009	Electromechanical contactors for household and similar purposes	C
3.18	Low-voltage switchgears		
	VDE 0638:1981 DIN 57638:1981	Low-voltage switchgears; fuse-switch-units; DO-system	C
3.19	Low-voltage switchgear and controlgear assemblies		
	IEC/TS 61439-7:2014 VDE V 0660-600-7:2014	Low-voltage switchgear and controlgear assemblies - Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicles charging stations	C

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3.20 Low-voltage surge protective devices			
	IEC 61643-11:2011 EN 61643-11:2012 + A11:2018 DIN EN 61643-11 (VDE 0675-6-11):2019-03	Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods	C
	IEC 61643-31:2018	Low-voltage surge protective devices – Part 31: Requirements and test methods for SPDs for photovoltaic installations	C
3.21 Switches for appliances			
	DIN EN IEC 61058-1 (VDE 0630-1):2018-08 EN 61058-1:2002 + A2:2008	Switches for appliances - Part 1: General requirements	A
	DIN EN 61058-1-1 (VDE 0630-1-1):2017-02	Switches for appliances - Part 1-1: Requirements for mechanical switches	A
	DIN EN 61058-1-2 (VDE 0630-1-2):2017-04	Switches for appliances - Part 1-2: Requirements for electronic switches	A
	VDE 0630-2-1:2011-08 IEC 61058-2-1:2010 EN 61058-2-1:2011	Switches for appliances - Part 2-1: Particular requirements for cord switches	A
	VDE 0630-2-4:2006-09 IEC 61058-2-4:1995 + A1:2003 EN 61058-2-4:2005	Switches for appliances - Part 2-4: Particular requirements for independently mounted switches	A
	VDE 0630-2-5:2011-08 IEC 61058-2-5:2010 EN 61058-2-5:2011	Switches for appliances - Part 2-5: Particular requirements for change-over selectors	A

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3.22	Automatic electrical controls		
	IEC 60730-1:2013 + AMD1:2015 + AMD2:2017 VDE 0631-1:2012 EN 60730-1:2011	Automatic electrical controls - Part 1: General requirements	A
	IEC 60730-1:2013/AMD1:2015 IEC 60730-1:2013/AMD2:2020 EN 60730-1:2016 EN 60730-1/A1:2019 DIN EN 60730-1 (VDE 0631-1) 2017:05	Automatische elektrische Regel- und Steuergeräte - Teil 1: Allgemeine Anforderungen Restriction: Except for the test "Short-circuit strength" (Ik 500A)	A
	VDE 0631-2-2:2006 IEC 60730-2-2:2001 EN 60730-2-2:2002	Automatic electrical controls for household and similar use - Part 2-2: Particular requirements for thermal motor protectors	A
	VDE 0631-2-3:2008 IEC 60730-2-3:2006 EN 60730-2-3:2007	Automatic electrical controls for household and similar use - Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps	A
	VDE 0631-2-4:2008 IEC 60730-2-4:2006 EN 60730-2-4:2007	Automatic electrical controls for household and similar use - Part 2-4: Particular requirements for thermal motor protectors for motor- compressors of hermetic and semi- hermetic type	A
	VDE 0631-2-6:2009 IEC 60730-2-6:2007 EN 60730-2-6:2008	Automatic electrical controls for household and similar use - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements	A

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	VDE 0631-2-7:2011 IEC 60730-2-7:2008 EN 60730-2-7:2010	Automatic electrical controls for household and similar use - Part 2-7: Particular requirements for timers and time switches	A
	IEC 60730-2-7:2015	Automatic electrical controls – Part 2-7: Particular requirements for timers and time switches	A
	VDE 0631-2-8:2004 IEC 60730-2-8:2000 EN 60730-2-8:2002	Automatic electrical controls for household and similar use - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements	A
	VDE 0631-2-9:2011 IEC 60730-2-9:2008 IEC 60730-2-9:2015 EN 60730-2-9:2010	Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls	A
	VDE 0631-2-10:2008 IEC 60730-2-10:2006 EN 60730-2-10:2007	Automatic electrical controls for household and similar use - Part 2-10: Particular requirements for motor-starting relays	A
	DIN EN 60730-2-11 (VDE 0631-2-11): 2021-05 IEC 60730-2-11:2019 EN IEC 60730-2-11: 2020	Automatic electrical controls - Part 2-11: Particular requirements for energy regulators (IEC 60730-2-11:2019); German version EN IEC 60730-2-11:2020	A
	VDE 0631-2-11:2008 IEC 60730-2-11:2006 EN 60730-2-11:2008	Automatic electrical controls for household and similar use - Part 2-11: Particular requirements for energy regulators	A

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	VDE 0631-2-12:2006 IEC 60730-2-12:2005 EN 60730-2-12:2006	Automatic electrical controls for household and similar use - Part 2-12: Particular requirements for electrically operated door locks	A
	VDE 0631-2-13:2008 IEC 60730-2-13:2006 EN 60730-2-13:2008	Automatic electrical controls for household and similar use - Part 2-13: Particular requirements for humidity sensing controls	A
	VDE 0631-2-14:2009 IEC 60730-2-14:1995 EN 60730-2-14:1997	Automatic electrical controls for household and similar use - Part 2-14: Particular requirements for electric actuators	A
	VDE 0631-2-15:2011 IEC 60730-2-15:2008 EN 60730-2-15:2010	Automatic electrical controls for household and similar use - Part 2-15: Particular requirements for automatic electrical air flow, water flow and water level sensing controls	A
3.23	Switches for household and similar fixed-electrical installations		
	VDE 0632-1:2009 IEC 60669-1:1998 EN 60669-1:2009	Switches for household and similar fixed-electrical installations - Part 1: General requirements	A
	IEC 60669-1:2006	Switches for household and similar fixed installations – Part 1: General requirements	A
	IEC 60669-1:2017 DIN EN 60669-1 (VDE 0632-1): 2019-03 EN 60669-1:2018 + AC:2018	Switches for household and similar fixed electrical installations - Part 1: General requirements (IEC 60669-1:2017, modified); German version EN 60669-1:2018 + AC:2018	A

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	VDE 0632-2-1:2010 IEC 60669-2-1:2002 EN 60669-2-1:2010	Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches	A
	IEC 60669-2-1:2015	Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches	A
	VDE 0632-2-2:2007 IEC 60669-2-2:2006 EN 60669-2-2:2006	Switches for household and similar fixed electrical installations - Part 2-2: Particular requirements - Electromagnetic remote-control switches	A
	VDE 0632-2-3:2007 IEC 60669-2-3:2006 EN 60669-2-3:2006	Switches for household and similar fixed electrical installations - Part 2-3: Particular requirements - Time delay switches	A
	VDE 0632-2-4:2005 IEC 60669-2-4:2004 EN 60669-2-4:2005	Switches for household and similar fixed electrical installations - Part 2-4: Particular requirements - Isolating switches	A
	IEC 60669-2-5:2013	Switches for household and similar fixed electrical installations - Collateral standard – Switches and related accessories for use in home and building electronic systems	A
	DIN EN IEC 60344-3:2018-04	Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 3: Electrical safety requirements (IEC 63044-1:2017); German version EN IEC 63044-3:2018	A

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	VDE 0632-2-6:2013 IEC 60669-2-6:2012 EN 60669-2-6:2012	Switches for household and similar fixed electrical installations - Part 2-6: Particular requirements - Fireman's switches for exterior and interior signs and luminaires	A
	VDE 0632-425:2008 EN 50425:2008	Switches for household and similar fixed electrical installations - Collateral standard – Fireman's switches for exterior and interior signs and luminaires	A
	VDE 0632-600:2010 IEC 62080:2001 EN 62080:2010	Sound signalling devices for household and similar purposes	A
	IEC 62080:2015 EN 62080:2015 DIN EN 62080:2016	Sound signalling devices for household and similar purposes	A
	VDE 0632-700:2003 IEC 62094-1:2002 EN 62094-1:2003	Indicator light units for household and similar fixed-electrical installations - Part 1: General requirements	A
	IEC 62094-1:2002 DIN EN 62094-1/A11 (VDE 0632 Teil 700/A11):2004-11 EN 62094-1:2003/A11:2003	Indicator light units for household and similar fixed-electrical installations - Part 1: General requirements; Amendment A11; German version EN 62094-1:2003/A11:2003	A
3.24	Degrees of protection		
	DIN EN 50102:1997 DIN EN 62262:1997 VDE 0470-100:1997	Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)	B
	IEC 60529:2013 DIN EN 60529:2014 VDE 0470-1:2014	Degrees of protection provided by enclosures (IP Code)	B
	ISO 20653:2013-02	Road vehicles. Degrees of protection (IP code). Protection of electrical equipment against foreign objects, water and access	B

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3.25 In-cable residual current device			
	IEC 60146-1-1:2009 DIN EN 60146-1-1:2011 VDE 0558-11:2011	Semiconductor converters - General requirements and line commutated converters - Part 1-1: Specification of basic requirements	A
	IEC 61131-1:2003 EN 61131-1:2003 DIN EN 61131-1:2004	Programmable controllers - Part 1: General information	A
	DIN VDE 0220-1:1971 VDE 0220-1:1971	Specifications for detachable cable clamps to be used in power cable installations up to 1000 V	A
	DIN VDE 0220-2:1971 VDE 0220-2:1971	Specifications for pressed connectors to be used in power cable installations	A
	DIN VDE 0220-3:1977 VDE 0220-3:1977	Specifications for single- and multiple cable clamps with insulating parts in electrical power cable installations up to 1000 V	A
	DIN EN 50295:1999 EN 50295:1999	Low-voltage switchgear and controlgear – Controller and device interface systems – Actuator Sensor Interface (AS-i)	A
	BGI 526:1989-10	Evaluation of the accessibility of building components	A
3.26 Optoelectronic devices			
	IEC 60747-5-1:1997 DIN EN 60747-5-1:2003 VDE 0884-1:2003	Discrete semiconductor devices and integrated circuits - Part 5-1: Optoelectronic devices; General	B
	IEC 60747-5-2:1997 DIN EN 60747-5-2:2003 VDE 0884-2:2003	Discrete semiconductor devices and integrated circuits - Part 5-2: Optoelectronic devices; Essential ratings and characteristics	B

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	IEC 60747-5-3:1997 DIN EN 60747-5-3:2003 VDE 0884-3:2003	Discrete semiconductor devices and integrated circuits - Part 5-3: Optoelectronic devices	B
	IEC 60747-5-5:2007 + A3:2013 EN 60747-5-5:2011 + A1:2015 DIN EN 60747-5-5:2015	Semiconductor devices - Discrete devices - Part 5-5: Optoelectronic devices – Photo-couplers (IEC 60747-5-5:2007 + A3:2013); German Version EN 60747-5-5:2011 + A1:2015	B
	IEC 60747-5-5:2020	Semiconductor devices - Part 5-5: Optoelectronic devices – Photocouplers	B
	DIN V VDE V 0884-10 (0884-10):2006-12	Semiconductor devices - Magnetic and capacitive copplers for safe separation	B
	DIN VDE V 0884-11 (0884-11):2017-01	Semiconductor devices - Part 11: Magnetic and capacitive copplers for basic insulation and reinforced insulation	B
3.27	Railway applications for fixed installations		
	DIN EN 50123-1:2003 VDE 0115-300-1:2003 EN 50123-1:2003	Railway applications - Fixed installations; D. C. switchgear - Part 1: General	A
	DIN EN 50123-2:2003 VDE 0115-300-2:2003 EN 50123-2:2003	Discrete semiconductor devices and integrated circuits - Part 5-2: Optoelectronic devices; Essential ratings and characteristics	A
	DIN EN 50123-3:2003 VDE 0115-300-3:2003 EN 50123-3:2003	Discrete semiconductor devices and integrated circuits - Part 5-3: Optoelectronic devices	A

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	DIN EN 50123-6:2003-09 VDE 0115-300-6:2003-09 EN 50123-6:2003	Semiconductor devices - Discrete devices - Part 5-5: Optoelectronic devices – Photo-couplers	A
3.28	Connectors for electronic equipment		
	IEC 60512-1-1:2002 DIN EN 60512-1-1:2003	Connectors for electronic equipment - Tests and measurements - Part 1-1: General examination; Test 1a: Visual examination	B
	IEC 60512-2-1:2002 DIN EN 60512-2-1:2003	Connectors for electronic equipment - Tests and measurements - Part 2-1: Electrical continuity and contact resistance tests; Test 2a: Contact resistance; Millivolt level method	B
	IEC 60512-2-3:2002 DIN EN 60512-2-3:2003	Connectors for electronic equipment - Tests and measurements - Part 2-3: Electrical continuity and contact resistance tests; Test 2c: Contact resistance variation	B
	IEC 60512-2-6:2002 DIN EN 60512-2-6:2003	Connectors for electronic equipment - Tests and measurements - Part 2-6: Electrical continuity and contact resistance tests; Test 2f: Housing (shell) electrical continuity	B
	IEC 60512-3-1:2002 DIN EN 60512-3-1:2003	Connectors for electronic equipment - Tests and measurements - Part 3-1: Insulation tests; Test 3a: Insulation resistanc	B

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	IEC 60512-4-2:2002 DIN EN 60512-4-2:2003	Connectors for electronic equipment - Tests and measurements - Part 4-2: Voltage stress tests; Test 4b: Partial discharge	B
	IEC 60512-4-3:2002 DIN EN 60512-4-3:2003	Connectors for electronic equipment - Tests and measurements - Part 4-3: Voltage stress tests; Test 4c: Voltage proof of pre-insulated crimp barrels	B
	IEC 60512-5-1:2002 DIN EN 60512-5-1:2003	Connectors for electronic equipment - Tests and measurements - Part 5-1: Current-carrying capacity tests; Test 5a: Temperature rise	B
	IEC 60512-5-2:2002 DIN EN 60512-5-2:2003	Connectors for electronic equipment - Tests and measurements - Part 5-2: Current-carrying capacity tests; Test 5b: Current-temperature derating	B
	IEC 60512-6-2:2002 DIN EN 60512-6-1:2003	Connectors for electronic equipment - Tests and measurements - Part 6-2: Dynamic stress tests; Test 6b: Bump	B
	IEC 60512-6-3:2002 DIN EN 60512-6-2:2003	Connectors for electronic equipment - Tests and measurements - Part 6-3: Dynamic stress tests; Test 6c: Shock	B
	IEC 60512-6-4:2002 DIN EN 60512-6-4:2003	Connectors for electronic equipment - Tests and measurements - Part 6-4: Dynamic stress tests; Test 6d: Vibration (sinusoidal)	B

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	IEC 60512-6-5:1997 DIN EN 60512-6-5:2000	Electromechanical components for electro-nic equipment - Basic testing procedures and measuring methods - Part 6: Dynamic stress tests; section 5: Test 6e: Random vibration	B
	IEC 60512-10-4:2003 DIN EN 60512-10-4:2004	Connectors for electronic equipment - Tests and measurements - Part 10-4: Impact tests (free components), static load tests and overload tests - endurance tests and overload tests - Test 10d: Electrical overload (connectors)	B
	IEC 60512-11-1:1995 DIN EN 60512-11-1:1996	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 11: Climatic tests; Section 1: Test 11a: Climatic sequence	B
	IEC 60512-11-3:2002 DIN EN 60512-11-3:2003	Connectors for electronic equipment - Tests and measurements - Part 11-3: Climatic tests; Test 11c: Damp heat, steady state	B
	IEC 60512-11-4:2002 DIN EN 60512-11-4:2003	Connectors for electronic equipment - Tests and measurements - Part 11-4: Climatic tests; Test 11d: Rapid change of temperature	B
	IEC 60512-11-9:2002 DIN EN 60512-11-9:2003	Connectors for electronic equipment - Tests and measurements - Part 11-9: Climatic tests; Test 11i: Dry heat	B

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	IEC 60512-11-10:2002 DIN EN 60512-11-10:2003	Connectors for electronic equipment - Tests and measurements - Part 11-10: Climatic tests; Test 11j: Cold	B
	IEC 60512-11-11:2002 DIN EN 60512-11-11:2003	Connectors for electronic equipment - Tests and measurements - Part 11-11: Climatic tests; Test 11k: Low air pressure	B
	IEC 60512-11-12:2002 DIN EN 60512-11-12:2003	Connectors for electronic equipment - Tests and measurements - Part 11-12: Climatic tests; Test 11m: Damp heat, cyclic	B
	IEC 60512-13-1:2006 DIN EN 60512-13-1:2006	Connectors for electronic equipment - Tests and measurements - Part 13-1: Mechanical operation tests - Test 13a: Engaging and separating forces	B
	IEC 60512-13-2:2006 DIN EN 60512-13-2:2006	Connectors for electronic equipment - Tests and measurements - Part 13-2: Mechanical operation tests - Test 13b: Insertion and withdrawal forces	B
	IEC 60512-14-7:1997 DIN EN 60512-14-7:1998	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 14: Sealing tests; Section 7: Test 14g: Impacting water	B
	IEC 60512-15-8:1995 DIN EN 60512-15-8:1996	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 15: Mechanical tests on contacts and terminations; section 8: Test 15h: Contact retention system resistance to tool application	B

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	IEC 60512-16-20:1996 DIN EN 60512-16-20:1997	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 16: Mechanical tests on contacts and terminations; section 20: Test 16t: Mechanical strength (wired termination of solderless connections)	B
	IEC 60539-1:2008 DIN EN 60539-1:2017	Directly heated negative temperature coefficient thermistors - Part 1: Generic specification	B
	IEC 60539-2:2008 DIN EN 60539-2:2008	Directly heated negative temperature coefficient thermistors - Part 2: Sectional specification; Surface mount negative temperature coefficient thermistors	B
3.29	Thermistors - Directly heated positive temperature coefficient		
	IEC 60738-1:2006 DIN EN 60738-1:2010	Thermistors - Directly heated positive temperature coefficient - Part 1: Generic	B
	DIN EN 60738-1-1:2008 IEC 60738-1-1:2008	Thermistors - Directly heated positive step-function temperature coefficient - Part 1-1: Blank detail specification - Current limiting application - Assessment level EZ	B
	IEC 60738-1-2:2008 DIN EN 60738-1-2:2008	Thermistors - Directly heated positive step-function temperature coefficient - Part 1-2: Blank detail specification - Heating element application - Assessment level EZ	B
	IEC 60738-1-3:2008 DIN EN 60738-1-3:2008	Thermistors - Directly heated positive step-function temperature coefficient - Part 1-3: Blank detail specification -	B

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		Inrush current application - Assessment level EZ	
	IEC 60738-1-4:2009 DIN EN 60738-1-4:2008	Thermistors - Directly heated positive step-function temperature coefficient - Part 1-4: Blank detail specification - Sensing application – Assessment level EZ	B
3.30	Varistors		
	IEC 61051-1:2007 DIN EN 61051-1:2009	Varistors for use in electronic equipment - Part 1: Generic specification	B
	IEC 61051-2:1991	Harmonized system of quality assessment for electric components. Varistors for use in electronic equipment. Sectional specification for surge suppression varistors	B
	IEC 61051-2-2:1991	Varistors for use in electronic equipment; Part 2: blank detail specification for zinc oxide surge suppression varistors; assessment level E	B
	IEC 62314:2006 DIN EN 62314:2007 VDE 0435-202:2007	Solid-state relays	B
	ISO 6988:1985 DIN EN ISO 6988:1997	Metallic and other non-organic coatings – Sulfur dioxide test with general condensation of moisture	A
	DIN EN ISO 9227:2017	Corrosion tests in artificial atmospheres - Salt spray tests	B

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3.31	Environmental testing		
	IEC 60068-2-1:2007 DIN EN 60068-2-1:2008 VDE 0468-2-1:2008	Environmental testing - Part 2-1: Tests - Test A: Cold	B
	IEC 60068-2-2:2007 DIN EN 60068-2-2:2008 VDE 0468-2-2:2008	Environmental testing - Part 2-2: Tests - Test B: Dry heat	B
	IEC 60068-2-5:2018 DIN EN IEC 60068-2-5 (VDE 0468-2-5):2019-02	Environmental testing - Part 2-5: Tests - Test Sa: Simulated solar radiation at ground level and guidance for solar radiation testing	B
	IEC 60068-2-6:2007 DIN EN 60068-2-6:2008 VDE 0468-2-5:2008	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	B
	IEC 60068-2-11:1981 DIN EN 60068-2-11:2000	Environmental testing - Part 2: Tests; test Ka: Salt mist	B
	IEC 60068-2-13:1983 DIN EN 60068-2-13:2000	Environmental testing - Part 2: Tests; test M: Low air pressure	B
	IEC 60068-2-14:2009 DIN EN 60068-2-14:2010 VDE 0468-2-14:2010	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	B

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	IEC 60068-2-18:2017 EN 60068-2-18:2017 DIN EN 60068-2-18 (VDE 0468-2-18):2018	Environmental testing - Part 2-18: Tests; Test R and guidance: Water Exclusion: water (without Ra1)	B
	IEC 60068-2-20:2008 DIN EN 60068-2-20:2009	Environmental testing - Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads	B
	IEC 60068-2-21:2006 DIN EN 6068-2-21:2007	Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices	B
	IEC 60068-2-27:2008 DIN EN 6068-2-27:2010	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	B
	IEC 60068-2-30:2005 DIN EN 60068-2-30:2006	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	B
	IEC 60068-2-31:2008 DIN EN 60068-2-31:2009 VDE 0468-2-31:2009	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	B
	IEC 60068-2-38:2009 DIN EN 60068-2-38:2010 VDE 0468-2-38:2010	Environmental testing - Part 2-38: Tests - Test Z/AD: Composite temperature/humidity cyclic test	B
	IEC 60068-2-52:2017 EN IEC 60068-2-52:2018 DIN EN IEC 60068-2-52 (VDE 0468-2-52):2018	Environmental testing - Part 2: Tests, Test Kb: Salt mist, cyclic (sodium chloride solution) (IEC 60068-2- 52:2017); German Version EN IEC 60068-2-52:2018 Exclusion: Test method 7 (Clause 9.4.8) and Test method 8 (Clause 9.4.9)	B

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	IEC 60068-2-53:2010 DIN EN 60068-2-53:2011	Environmental testing - Part 2-53: Tests and guidance: Combined climatic (temperature/ humidity) and dynamic (vibration/shock) tests	B
	IEC 60068-2-61:1991 DIN EN 60068-2-61:1993	Environmental testing; Part 2: test methods; test Z/ABDM: climatic sequence	B
	IEC 60068-2-64:2008 DIN EN 60068-2-64:2009 VDE 0468-2-64:2009	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance	B
	IEC 60068-2-67:1995 DIN EN 60068-2-67:1996	Environmental testing - Part 2: Tests; test Cy: Damp heat, steady state, accelerated test primarily intended for components	B
	DIN EN 60068-2-67 (VDE 0468-2- 67):2020-08 IEC 60068-2-67:1995 + A1:2019	Environmental testing - Part 2-67: Tests - Test Cy: Damp heat, steady state, accelerated test primarily intended for components (IEC 60068- 2-67:1995 + A1:2019); German version EN 60068-2-67:1996 + A1:2019	B
	IEC 60068-2-68:1994 DIN EN 60068-2-68:1997	Environmental testing - Part 2: Tests; test L: Dust and sand	B
	IEC 60068-2-75:2014 DIN EN 60068-2-75:2015	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	B
	IEC 60068-2-78:2012 DIN EN 60068-2-78:2014	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	B
3.32	Relais, connecting systems, special components		
	IEC 60695-2-10:2013 EN 60695-2-10:2013 DIN EN 60695-2-10:2014-04 VDE 0471-2-10:2014-04	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	A

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	IEC 60695-2-11:2014 EN 60695-2-11:2014 DIN EN 60695-2-11:2014-11 VDE 0471-2-11:2014-11	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods; Glow-wire flammability test method for end-products	A
	IEC 60695-2-12:2010 + A1:2014 EN 60695-2-12:2010 + A1:2014 DIN EN 60695-2-12:2015-01 VDE 0471-2-12:2015-01	Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials	A
	IEC 60695-2-13:2010 + Cor.:2012 + A1:2014 EN 60695-2-13:2010 + A1:2014 DIN EN 60695-2-13:2015-01 VDE 0471-2-11:2015-01	Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials	A
	IEC 60695-10-2:2014 EN 60695-10-2:2014 DIN EN 60695-10-2:2016-01 VDE 0471-10-2:2016-01	Fire hazard testing - Part 10-2: Abnormal heat - Ball pressure test method (IEC 60695-10-2:2014); German version EN 60695-10-2:2014	A
	IEC 60695-11-5:2016 EN 60695-11-5:2017 DIN EN 60695-11-5:2017-12 VDE 0471-11-5:2017-12	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance (IEC 60695-11-5:2016); German version EN 60695-11-5:2017	A
	IEC 60695-11-10:2013 EN 60695-11-10:2014 VDE 0471-11-10:2014-10	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods (IEC 60695-11- 10:2013); German version EN 60695- 11-10:2013	A
	IEC 60695-11-20:2015 + COR1:2016 EN 60695-11-20:2015 + AC:2016 DIN EN 60695-11-20 VDE 0471-11- 20 (2016-04-00)	Fire hazard testing - Part 11-20: Test flames - 500 W flame test methods (IEC 60695-11-20:2015 + COR1:2016); German version EN 60695-11-20:2015 + AC:2016	A

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	IEC 60112:2003 + A1:2009 EN 60112:2003 + A1:2009 DIN EN 60112:2010-05 VDE 0303-11:2010-05	Method for the determination of the proof and the comparative tracking indices of solid insulating materials (IEC 60112:2003 + A1:2009); German version EN 60112:2003 + A1:2009	A
3.33	Electrical relays		
	IEC 61810-1:2015 EN 61810-1:2015 VDE 0435-201:2015	Electromechanical elementary relays - Part 1: General requirements	A
	EN 50205:2002 VDE 0435-2022:2003	Relays with forcibly guided (mechanically linked) contacts	A
	IEC 62314:2006 EN 62314:2006	Solid-state relays	A
3.34	Customer distribution boards and meter panels AC 400 V		
	DIN VDE 0603-1 (VDE 0603-1):2017-06	Meter panels - Part 1: General requirements	A
	DIN VDE 0603-2:1998 VDE 0603-2:1998	Customer distribution boards and meter panels AC 400 V - Main line branch terminals	A
	DIN VDE 0603-5:2013 VDE 0603-5:2013	Consumer distribution boards and meter panels AC 400 V - Part 5: Device for mounting and connection (BKE) of electronic meters (eHZ) for household use on meter panels	A
	DIN V VDE V 0603-102:2006 VDE V 0603-102:2006	Consumer units and meter panels AC 400 V - Part 102: Particular requirements for Consumer units and meter panels for electronic meters (eHZ)	A

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3.35	Connecting devices for low-voltage circuits for household and similar purposes		
	IEC 60998-1:2002 EN 60998-1:2004 VDE 0613-1:2005	Connecting devices for low-voltage circuits for household and similar purposes - Part 1: General requirements	A
	IEC 60998-2-1:2002 EN 60998-2-1:2004 VDE 0613-2-1:2005	Connecting devices for low-voltage circuits for household and similar purposes - Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units	A
	VDE 0613-2-2:2005 IEC 60998-2-2:2002 EN 60998-2-2:2004	Connecting devices for low-voltage circuits for household and similar purposes - Part 2-2: Particular requirements for connecting devices as separate entities with screwless-type clamping units	A
	VDE 0613-2-3:2005 IEC 60998-2-3:2002 EN 60998-2-3:2004	Connecting devices for low-voltage circuits for household and similar purposes - Part 2-3: Particular requirements for connecting devices as separate entities with insulation-piercing clamping units	A
	VDE 0613-2-4:2006 IEC 60998-2-4:2004 EN 60998-2-4:2005	Connecting devices for low voltage circuits for household and similar purposes - Part 2-4: Particular requirements for twist-on connecting devices	A
	VDE 0613-6:2011 IEC 61210:2010 EN 61210:2010	Connecting devices - Flat quick-connect terminations for electrical copper conductors - Safety requirements	A

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3.36	Connecting devices - Electrical copper conductors		
	IEC 60999-1:1999 EN 60999-1:2000	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 0,2 mm ² up to 35 mm ² (included)	A
	IEC 60999-2:2003 EN 60999-2:2003	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 2: Particular requirements for clamping units for conductors above 35 mm ² up to 300 mm ² (included)	A
	DIN EN IEC 60947-7-4 (VDE 0611-7-4):2019-10 EN 60947-7-4:2019 IEC 60947-7-4:2019	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors (IEC 60947-7-4:2019); German version EN IEC 60947-7-4:2019	A
3.37	Boxes and enclosures for household and similar fixed electrical installations		
	VDE 0606-1:2014 IEC 60670-1:2015 EN 60670-1:2005 DIN EN 60670-1:2014	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements	A
	VDE 0606-21:2008 IEC 60670-21:2004 EN 60670-21: 2007	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 21: Particular requirements for boxes and enclosures with provision for suspension means	A

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	VDE 0606-22:2007 IEC 60670-22:2003 EN 60670-22: 2006	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22: Particular requirements for connecting boxes and enclosures	A
	VDE V 0606-22-100:2020	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 22-100: Particular requirements for boxes and enclosures with connecting terminals for casting (GVV)	A
	VDE 0606-23:2009 IEC 60670-23:2006 EN 60670-23:2008	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 23: Particular requirements for floor boxes and enclosures	A
	VDE 0606-200:2013 IEC 61535:2012 EN 61535:2009	Installation couplers intended for permanent connection in fixed installations	A
	DIN EN IEC 61535 (VDE 0606-200):2020-08 IEC 61535:2019 EN IEC 61535:2019	Installationssteckverbinder für dauernde Verbindung in festen Installationen	A
3.38	Terminal blocks		
	IEC 60947-7-1:2009 DIN EN 60947-7-1:2010 VDE 0611-1:2010	Low-voltage switchgear and controlgear - Part 7-1: Ancillary equipment - Terminal blocks for copper conductors	A
	IEC 60947-7-2:2009 DIN EN 60947-7-2:2010 VDE 0611-3:2010	Low-voltage switchgear and controlgear - Part 7-2: Ancillary equipment - Protective conductor terminal blocks for copper conductors	A
	VDE 0611-4:1991	Terminal blocks for connecting copper conductors; distribution terminal blocks up to 6 mm ²	A
	VDE 0611-20:1987	Modular terminal blocks for connection of copper conductors up to 1000 V a. c. and up to 1200 V d. c.;	A

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		test for flammability and flame propagation	
	VDE 0618-1:1989	Equipment for equipotential bonding; equipotential bushers for main equipotential bonding	A
	DIN EN 62444:2014 VDE 0619:2014 EN 62444:2013 IEC 62444:2010	Cable glands for electrical installations	A
3.39	Plugs and socket-outlets for household and similar purposes		
	VDE 0620-1:2010	Plugs and socket-outlets for household and similar purposes	A
	VDE 0620-1:2013	Plugs and socket-outlets for household and similar purposes - Part 1: General requirements on fixed socket-outlets	A
	DIN VDE 0620-1:2016	Plugs and socket-outlets for household and similar purposes - Part 1: General requirements on fixed socket-outlets	A
	VDE 0620-2-1:2013 DIN VDE 0620-2-1:2016	Plugs and socket-outlets for household and similar purposes - Part 2-1: General requirements on Plugs and portable socket-outlets	A
	IEC 60884-1:2013	Plugs and socket-outlets for household and similar purposes - Part 1: General requirements	A
	VDE 0620-101:1992 EN 50075:1991	Flat non-wireable two pole plugs	A
	VDE 0620-300:2016 EN 61242:1997 IEC 61242:1995	Electrical accessories - Cable reels for household and similar purposes	A

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3.40	Plugs, socket-outlets and couplers for industrial purposes and cable reels		
	DIN EN 60309-1 (VDE 0623-1) Berichtigung 1: 2014-12 EN 60309-1:1999 + A1:2007 + A2:2012 IEC 60309-1:1999 + A1:2005, modifiziert + A2:2012	Plugs, socket-outlets and couplers for industrial purposes - Part 1: General requirements (IEC 60309-1:1999 + A1:2005, modified + A2:2012); German version EN 60309-1:1999 + A1:2007 + A2:2012, Corrigendum to DIN EN 60309-1 (VDE 0623-1):2013-02; (IEC-Cor.:2014 to IEC 60309-1:1999/A1:2005)	A
	DIN EN 60309-2 (VDE 0623-2):2013-01 EN 60309-2:1999 + A1:2007 + A2:2012 IEC 60309-2:1999 + A1:2005, modifiziert + A2:2012	Plugs, socket-outlets and couplers for industrial purposes - Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories (IEC 60309-2:1999 + A1:2005, modified + A2:2012); German version EN 60309-2:1999 + A1:2007 + A2:2012	A
	DIN EN 60309-4 (VDE 0623-3): 2012-11 EN 60309-4:2007 + A1:2012 IEC 60309-4:2006, modifiziert + A1:2012	Plugs, socket-outlets and couplers for industrial purposes - Part 4: Switched socket-outlets and connectors with or without interlock (IEC 60309-4:2006, modified + A1:2012); German version EN 60309-4:2007 + A1:2012	A
	DIN EN 50250 (VDE 0623-4):2016-10 EN 50250:2002 + Cor.:2007 + A1:2015	Conversion adaptors for industrial use; German version EN 50250:2002 + Cor.:2007 + A1:2015	A
	DIN EN 62196-1 (VDE 0623-5-1):2015-06 EN 62196-1:2014 IEC 62196-1:2014	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 1: General requirements (IEC 62196-1:2014, modified); German version EN 62196-1:2014	A

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	VDE 0623-5-2:2014-12 EN 62196-2:2012 + A11:2013 + A12:2014 + A12:2014/AC:2014 IEC 62196 -2:2016	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact- tube accessories (IEC 62196-2:2011); German version EN 62196-2:2012 + A11:2013 + A12:2014 + A12:2014/AC:2014	A
	DIN EN 62196-2 (VDE 0623-5-2): 2017-11 IEC 62196-2:2016 EN 62196-2:2017	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact- tube accessories (IEC 62196-2:2016); German version EN 62196-2:2017	A
	VDE 0623-100:2000 IEC 61316:1999 EN 61316:1999	Industrial cable reels (IEC 61316:1999); German version EN 61316:1999	A
	VDE 0623-589:2011	Plug device for battery powered industrial trucks, Type 80, 160, 320, 640 / 150 V - Part 589: Dimensions of plug device, material, marking	A
	DIN VDE 0623-589 (VDE 0623-589) Berichtigung 1:2011-10 DIN VDE 0623-589 (VDE 0623-589) Berichtigung 2:2014-06	Plug device for battery powered industrial trucks, Type 80, 160, 320, 640 / 150 V - Part 589: Dimensions of plug device, material, marking	A
	DIN EN 62196-3 (VDE 0623-5-3): 2015-05 EN 62196-3:2014 IEC 62196-3:2014	Plugs, socket-outlets, vehicle connectors and vehicle inlets - Conductive charging of electric vehicles - Part 3: Dimensional compatibility and interchangeability requirements for d.c. and a.c./d.c. pin and contact-tube vehicle couplers (IEC 62196-3:2014); German version EN 62196-3:2014	A

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3.41	Appliance couplers		
	VDE 0625-1:2008-05 IEC 60320-1:2008 + A1:2007 EN 60320-1:2001 + A1:2007 DIN EN 60320-1 (VDE 0625-1):2008-05	Appliance couplers for household and similar general purposes - Part 1: General requirements	A
	VDE 0625-1:2016-04 IEC 60320-1:2015 + Corr.1:2016 EN 60320-1:2015 + AC:2016 DIN EN 60320-1 (VDE 0625-1):2016-04	Appliance couplers for household and similar general purposes - Part 1: General requirements	A
	VDE 0625-2-1:2001-09 IEC 60320-2-1:2000 EN 60320-2-1:2000	Appliance couplers for household and similar general purposes - Part 2-1: Sewing machine couplers	A
	IEC 60320-2-1:2018-02	Appliance couplers for household and similar general purposes - Part 2-1: Sewing machine couplers	A
	VDE 0625-2-2:1999-09 IEC 60320-2-2:1998 EN 60320-2-2:1998	Appliance couplers for household and similar general purposes - Part 2-2: Interconnection couplers for household and similar equipment	A
	VDE 0625-2-3:2005-11 IEC 60320-2-3:1998 + A1:2004 EN 60320-2-3:1998 + A1:2005	Appliance couplers for household and similar general purposes - Part 2-3: Appliance couplers with a degree of protection higher than IPX0	A
	IEC 60320-2-3:2018-06	Appliance couplers for household and similar general purposes - Part 2-2: Interconnection couplers for household and similar equipment	A
	VDE 0625-2-4:2010-11 IEC 60320-2-4:2005 + A1:2009 EN 60320-2-4:2006 + A1:2009	Appliance couplers for household and similar general purposes - Part 2-4: Appliance couplers dependent on appliance weight for engagement	A
	IEC 60320-2-4:2018-06	Appliance couplers for household and similar general purposes - Part 2-4: Appliance couplers dependent on appliance weight for engagement	A

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3.42	Cord sets and interconnection cord sets		
	VDE 0626:1999-06 IEC 60799:1998 EN 60799:1998	Electrical accessories – Cord sets and interconnection cord sets	A
	IEC 60799:2018-03	Cord sets and interconnection cord sets	A
	DIN VDE 0626-2:2014-04	Cord sets and interconnection cord sets - Part 2: Multi distribution sets with appliance couplers	A
	IEC 62208:2011 EN 62208:2011 DIN EN 62208:2012-06 VDE 0660-511:2012-06	Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements (IEC 62208:2011); German version EN 62208:2011	B
	IEC 61984:2008 EN 61984:2009 VDE 0627:2009	Connectors - Safety requirements and tests	A
	IEC 60352-1:1997 EN 60352-1:1997	Solderless connections - Part 1: Wrapped connections; general requirements, test methods and practical guidance	B
4 Cables and cords, materials, special tests - Insulated power cables			
	VDE 0250-1:1981 DIN 57250-1:1981	Specifications for cables, wires and flexible cords for power installations	A
	VDE 0250-106:1982 DIN 57250-106:1982	Cables, wires and flexible cords for power installation; ETFE single-core-non-sheated cables for internal wiring	A
	VDE 0250-201:1992	Cables and flexible cords for power installation; flat webbed house wires	A
	VDE 0250-204:2000	Cables, wires and cords for power installation - PVC-Installation cable NYM	A

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	VDE 0250-206:1983 DIN 57250-206:1983	Cables, wires and flexible cords for power installation; PVC-sheathed cable with suspension strand	A
	VDE 0250-212:1982 DIN 57250-212:1985	Cables, wires and flexible cords for power installation; screened PVC-cables U ₀ /U 3,6/6 kV	A
	VDE 0250-213:1986	Cables, wires and flexible cords for power installation; roof poles lead-in cable	A
	VDE 0250-214:2002	Cables, wires and cords for power installation - Part 214: Installation cable NHXMH with improved properties in the event of fire	A
	VDE 0250-215:2002	Cables, wires and cords for power installation - Part 215: Installation cable NHMH with special properties in the event of fire	A
	VDE 0250-502:1985	Cables, wires and flexible cords for power installation; heat-resistant silicone wire	A
	VDE 0250-602:1985	Cables, wires and flexible cords for power installation; special rubber-insulated single-core cables	A
	VDE 0250-605:2006	Cables, wires and flexible cords for power installation - Part 605: Screened flexible cable with rubber insulation and PVC sheath nominal voltage U ₀ /U 3,6/6 kV and 6/10 kV	A
	VDE 0250-806:1992	Cables, wires and flexible cords for power installation; polychloroprene-sheathed cable NMHVÖU	A
	VDE 0250-809:1985	Cables, wires and flexible cords for power installation; flat ordinary tough-polychloreprene-sheathed flexible cable	A
	VDE 0250-812:1985	Cables, wires and flexible cords for power installation; rubber insulated flexible cable NSSHÖU	A
	VDE 0250-813:1985	Cables, wires and flexible cords for power installation; trailing cable	A

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	VDE 0250-814:1985	Cables, wires and flexible cords for power installation; rubber insulated flexible cable NSHTÖU	A
	IEC 60800:2009 VDE 0253:1987	Heating cables	A
	IEC 62395-1:2013 DIN EN 62395-1:2014 VDE 0721-52:2013	Electrical resistance trace heating systems for industrial and commercial applications - Part 1: General and testing requirements	A
	VDE 0254:1994	Parallel heating-cables	A
	DIN VDE 0262:1995 VDE 0262:1995	XLPE insulated and PVC sheathed installation-cables with nominal voltage 0,6/1 kV	A
	DIN VDE 0265:1995 VDE 0265:1995	Cables with plastic-insulation and lead-sheath for power installation	A
	DIN VDE 0266:2000 VDE 0266:2000	Power cables with improved characteristics in the case of fire - Nominal voltages U_0/U 0,6/1 kV	A
	DIN VDE 0266 Berichtigung 1:2006-03 VDE 0266 Berichtigung 1:2006-03	Power cables with improved characteristics in the case of fire - Nominal voltages U_0/U 0,6/1 kV, Corrigenda to DIN VDE 0266 (VDE 0266):2000-03	A
	VDE 0271:2007	Power cables - Specifications for power cables 0,6/1 kV and above for special applications	A
	DIN VDE 0271 (VDE 0271) Berichtigung 1:2008-02	Power cables - Specifications for power cables 0,6/1 kV and above for special applications, Corrigenda to DIN VDE 0271 (VDE 0271):2007-01	A
	DIN EN 50618 (VDE 0283-618):2015-11 EN 50618:2014	Electric cables for photovoltaic systems; German Version EN 50618:2014	A
	IEC 60216-1:2013 EN 60216-1:2013 DIN EN 60216-1:2014 VDE 0304-21:2014	Electrical insulating materials - Thermal endurance properties - Part 1: Ageing procedures and evaluation of test results	A
	DIN EN 50620 (VDE 0285-620):2020-03 EN 50620:2017 + A1:2019	Electric cables - Charging cables for electric vehicles; German Version EN 50620:2017	A

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	DIN ISO 48-2:2021-02	Rubber, vulcanized or thermoplastic - Determination of hardness - Part 2: Hardness between 10 IRHD and 100 IRHD (ISO 48-2:2018)	A
	ISO 14572:2011	Road vehicles - Round, sheathed, 60 V and 600 V screened and unscreened single- or multi-core cables - Test methods and requirements for basic- and high-performance cables	A
	EN ISO 4892-1:2016	Plastics - Methods of exposure to laboratory light sources - Part 1: General guidance	A
	EN ISO 4892-2:2013	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps	A
4.1	Power cables / energy distribution cable		
	VDE 0276-603:2010-03 HD 603 S1:1994/A3:2007	Power cables - Part 603: Distribution cables of rated voltage 0,6/1 kV	A
	DIN VDE 0276-604 (VDE 0276-604):2008-02 HD 604 S1:1994 + A1:1997 + A2:2002 + A3:2005	Power cables - Part 604: 0,6/1 kV power cables with special fire performance for use in power stations; German version HD 604 S1:1994 + A1:1997 + A2:2002 + A3:2005, Parts 0, 1 and 5-G	A
	VDE 0276-605 (VDE 0276-605):2020-09 HD 605 S2:2019	Electric cables - Additional test methods	A
	DIN VDE 0276-620 (VDE 0276-620):2018-04 HD 620 S2:2010	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; German implementation HD 620 S2:2010, parts 0, 1 and 10-C	A

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	VDE 0276-622:2006-05 HD 622 S1:1996 + A1:2000 + A2:2005	Power cables - Part 622: 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	A
	DIN VDE 0276-626 (VDE 0276-626):1997-01 HD 626 S1/A1:1997	Power cables Part 626- Overhead distribution cables of rated voltage $U_0/U(U_m)$:0,6/1 (1,2) kV	A
	DIN VDE 0276-626/A1 (VDE 0276-626/A1):1998-07	Power cables - Overhead distribution cables of rated voltage $U_0/U(U_m)$: 0,6/1 (1,2) kV; Amendment A1; German version HD 626 S1/A1:1997	A
	VDE 0276-627:2006-09 HD 627 S1:1996 + A1:2000 + A2:2005	Power cables - Part 627: Multicore and multi-pair cables for installation above and below ground	A
	DIN VDE 0276-632 (VDE 0276-632):2017-09 HD 632 S2:2008	Power cables with extruded insulation and their accessories for rated voltages above 36 kV ($U_m = 42$ kV) up to 150 kV ($U_m = 170$ kV); German version HD 632 S3:2016, Parts 0, 1, 3-D, 4-D and 5-D	A
	VDE 0276-2067:2013-08 IEC 62067:2011	Power cables with extruded insulation and their accessories for rated voltages above 150 kV ($U_m = 170$ kV) up to 500 kV ($U_m = 550$ kV) - Test methods and requirements	A
	IEC 60840:2020	Power cables with extruded insulation and their accessories for rated voltages above 30 kV ($U_m = 36$ kV) up to 150 kV ($U_m = 170$ kV) – Test methods and requirements	A

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4.2	Polyvinyl chloride insulated power cables		
	DIN VDE 0281-8 (VDE 0281-8): 2000-09 HD 21.8 S2:1999	PVC insulated cables of rated voltages up to and including 450/750 V - Part 8: Single core non-sheathed cables for decorative chains	A
	DIN VDE 0281-9 (VDE 0281-9):2001 HD 21.9 S2:1995 + A1:1999	PVC insulated cables of rated voltages up to and including 450/750 V - Part 9: Single core non-sheathed cables for installation at low temperatures	A
	IEC 60227-1:2007	PVC insulated cables of rated voltages up to and including 450/750 V - Part 1: General requirements	A
	IEC 60227-2:1997	PVC insulated cables of rated voltages up to and including 450/750 V - Part 2: Test methods	A
	IEC 60227-2:1997/AMD1:2003	Amendment 1 - Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 2: Test methods	A
	IEC 60227-3:1993	PVC insulated cables of rated voltages up to and including 450/750 V; Part 3: non-sheathed cables for fixed wiring	A
	IEC 60227-3:1993/AMD1:1997	Amendment 1 - Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 3: Non-sheathed cables for fixed wiring	A
	IEC 60227-4:1992	PVC insulated cables of rated voltages up to and including 450/750 V; Part 4: sheathed cables for fixed wiring	A
	IEC 60227-4:1992/AMD1:1997	Amendment 1 - Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 4: Sheathed cables for fixed wiring	A
	IEC 60227-5:2011	PVC insulated cables of rated voltages up to and including 450/750 V - Part 5: Flexible cables (cords)	A

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	IEC 60227-6:2001	PVC insulated cables of rated voltages up to and including 450/750 V - Part 6: Lift cables and cables for flexible connections	A
	IEC 60227-7:2012	PVC insulated cables of rated voltages up to and including 450/750 V - Part 7: Flexible cables screened and un-screened with two or more conductors	A
	IEC 60227-7:1995/AMD1:2003	Amendment 1 - Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 7: Flexible cables screened and un-screened with two or more conductors	A
	IEC 60227-7:1995/AMD2:2011	Amendment 2 - Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 7: Flexible cables screened and un-screened with two or more conductors	A
4.3	Rubber insulated power cables		
	IEC 60245-1:2003	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 1: General requirements	A
	IEC 60245-1:2003/AMD1:2007	Amendment 1 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 1: General requirements	A
	IEC 60245-2:1994	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 2: Test methods	A

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	IEC 60245-2:1994/AMD1:1997	Amendment 1 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 2: Test methods	A
	IEC 60245-2:1994/AMD2:1997	Amendment 2 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 2: Test methods	A
	IEC 60245-3:1994	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 3: Heat resistant silicone insulated cables	A
	IEC 60245-3:1994/AMD1:1997	Amendment 1 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 3: Heat resistant silicone insulated cables	A
	IEC 60245-3:1994/AMD2:2011	Amendment 2 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 3: Heat resistant silicone insulated cables	A
	IEC 60245-4:2011	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 4: Cords and flexible cables	A
	IEC 60245-5:1994	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 5: Lift cables	A
	IEC 60245-5:1994/AMD1:2003	Amendment 1 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 5: Lift cables	A
	IEC 60245-6:1994	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 6: Arc welding electrode cables	A

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	IEC 60245-6:1994/AMD1:1997	Amendment 1 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 6: Arc welding electrode cables	A
	IEC 60245-7:1994	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 7: Heat resistant ethylene-vinyl acetate rubber insulated cables	A
	IEC 60245-7:1994/AMD1:1997	Amendment 1 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 7: Heat resistant ethylene-vinyl acetate rubber insulated cables	A
	IEC 60245-8:1998	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 8: Cords for applications requiring high flexibility	A
	IEC 60245-8:1998/AMD1:2003	Amendment 1 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 8: Cords for applications requiring high flexibility	A
	IEC 60245-8:1998/AMD2:2011	Amendment 2 - Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 8: Cords for applications requiring high flexibility	A
	DIN EN 50143 (VDE 0283-1):2010-02 EN 50143:2009	Cables for signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1 000 V but not exceeding 10 000 V	A
	DIN EN 50214 (VDE 0283-2):2007-10 EN 50214:2006	Flat polyvinyl chloride sheathed flexible cables	A
	DIN EN 61138 (VDE 0283-3):2008-10 IEC 61138:2007 EN 61138:2007	Cables for portable earthing and short-circuiting equipment	A

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	VDE 0285-525-1:2012 DIN EN 50525-1:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 1: General requirements	A
	VDE 0285-525-2-11:2012 DIN EN 50525-2-11:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-11: Cables for general applications - Flexible cables with thermoplastic PVC insulation	A
	VDE 0285-525-2-12:2012 DIN EN 50525-2-12:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-12: Cables for general applications - Cables with thermoplastic PVC insulation for extensible leads	A
	VDE 0285-525-2-21:2012 DIN EN 50525-2-21:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-21: Cables for general applications - Flexible cables with cross-linked elastomeric insulation	A
	VDE 0285-525-2-22:2012 DIN EN 50525-2-22: 2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-22: Cables for general applications - High flexibility braided cables with cross-linked elastomeric insulation	A
	VDE 0285-525-2-31:2012 DIN EN 50525-2-31:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-31: Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation	A

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	VDE 0285-525-2-41:2012 DIN EN 50525-2-41:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-41: Cables for general applications - Single core cables with cross-linked silicone rubber insulation	A
	VDE 0285-525-2-42:2012 DIN EN 50525-2-42:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-42: Cables for general applications - Single core non-sheathed cables with crosslinked EVA insulation	A
	VDE 0285-525-2-51:2012 DIN EN 50525-2-51:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-51: Cables for general applications - Oil resistant control cables with thermoplastic PVC insulation	A
	VDE 0285-525-2-71:2012 DIN EN 50525-2-71:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-71: Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation	A
	VDE 0285-525-2-72:2012 DIN EN 50525-2-72:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U ₀ /U) - Part 2-72: Cables for general applications - Flat divisible cables (cords) with thermoplastic PVC insulation; German version EN 50525-2-72:2011	A

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	VDE 0285-525-2-81:2012 DIN EN 50525-2-81:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-81: Cables for general applications - Cables with crosslinked elastomeric covering for arc welding	A
	VDE 0285-525-2-82:2012 DIN EN 50525-2-82:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-82: Cables for general applications - Cables with crosslinked elastomeric insulation for decorative chains	A
	VDE 0285-525-2-83:2012 DIN EN 50525-2-83:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 2-83: Cables for general applications - Multicore cables with crosslinked silicone rubber insulation	A
	VDE 0285-525-3-11:2012 DIN EN 50525-3-11:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 3-11: Cables with special fire performance - Flexible cables with halogen-free thermoplastic insulation, and low emission of smoke	A
	VDE 0285-525-3-21:2012 DIN EN 50525-3-21:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 3-21: Cables with special fire performance - Flexible cables with halogen-free crosslinked insulation, and low emission of smoke	A

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	VDE 0285-525-3-31:2012 DIN EN 50525-3-31:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 3-31: Cables with special fire performance - Single core non-sheathed cables with halogen-free thermoplastic insulation, and low emission of smoke	A
	VDE 0285-525-3-41:2012 DIN EN 50525-3-41:2012	Electric cables - Low voltage energy cables of rated voltages up to and including 450/ 750 V (U ₀ /U) - Part 3-41: Cables with special fire performance - Single core non-sheathed cables with halogen-free cross-linked insulation, and low emission of smoke	A
4.4	Power cables		
	IEC 60502-1:2004/AMD1:2009	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (U _m = 1,2 kV) up to 30 kV (U _m = 36 kV) - Part 1: Cables for rated voltages of 1 kV (U _m = 1,2 kV) and 3 kV (U _m = 3,6 kV)	A
	IEC 60502-2:2014	Power cables with extruded insulation and their accessories for rated voltages from 1 kV (U _m = 1,2 kV) up to 30 kV (U _m = 36 kV) - Part 2: Cables for rated voltages from 6 kV (U _m = 7,2 kV) up to 30 kV (U _m = 36 kV)	A
	VDE 0812:1988 DIN VDE 0812 (VDE 0812) Berichtigung 1:2019-02	Equipment wires and stranded equipment wires for telecommunicationssystems and data processing systems; Corrigendum 1	A

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	DIN VDE 0813:1988-11 VDE 0813:1988-11	Switchboard cables for telecommunication and data processing systems	A
	DIN 57814 (VDE 0814):1981-10	Cords for telecommunication systems and information processing systems	A
	DIN VDE 0815 (VDE 0815):1985-09	Wiring cables for telecommunication and data processing systems	A
	DIN VDE 0816-1 (VDE 0816-1):1988-02	External cables for telecommunication and data processing systems; cables insulated and sheathed with polyethylen, unit stranded	A
	DIN VDE 0816-1 (VDE 0816-1) Berichtigung 1:2002-11	Corrigenda to DIN VDE 0816-1 (VDE 0816 Teil 1):1988-02	A
	DIN VDE 0817 (VDE 0817):1990-08	Cables with stranded conductors for increased mechanical stress for telecommunications systems and data processing systems	A
	DIN 57818 (VDE 0818):1983-02	Self-supporting telecommunication aerial cables on overhead power lines above 1 kV	A
	DIN EN 50288-1:2014 VDE 0819-1:2014	Multi-element metallic cables used in analogue and digital communication and control - Part 1: Generic specification	A
	DIN VDE 0881 (VDE 0881):1986-03	Equipment wires and flexible equipment wires with extended temperature range for telecommunication systems and data processing systems	A
	DIN EN 50117-1 (VDE 0887-1):2020-03	Coaxial cables - Part 1: Generic specification	A
	DIN EN 50173-1 (VDE 0800-173-1):2018-10	Information technology - Generic cabling systems - Part 1: General requirements	A

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4.5	Optical fibre cables		
	DIN EN IEC 60794-2-11 (VDE 0888-10):2020-01 IEC 60794-2-11:2019 EN 60794-2-11:2019	Optical fibre cables - Part 2-11: Indoor optical fibre cables - Detailed specification for simplex and duplex cables for use in premises cabling	A
	DIN EN IEC 60794-2-21 (VDE 0888-11):2020-01 IEC 60794-2-21:2019 EN 60794-2-21:2019	Optical fibre cables - Part 2-21: Indoor cables - Detailed specification for multi-fibre optical distribution cables for use in premises cabling (IEC 60794-2-21:2019); German version EN IEC 60794-2-21:2019	A
	DIN EN IEC 60794-2-31 (VDE 0888-12):2020-01 IEC 60794-2-31:2019 EN 60794-2-31:2019	Optical fibre cables - Part 2-31: Indoor cables - Detailed specification for optical fibre ribbon cables for use in premises cabling (IEC 60794-2-31:2019); German version EN IEC 60794-2-31:2019	A
	DIN EN IEC 60794-3-12 (VDE 0888-13):2013-12 IEC 60794-3-12:2012 EN 60794-3-12:2013	Optical fibre cables - Part 3-12: Outdoor cables - Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling (IEC 60794-3-12:2012); German version EN 60794-3-12:2013	A
	DIN EN 60794-1-1 (VDE 0888-100-1):2016-10 IEC 60794-1-1:2015 EN 60794-1-1:2016	Optical fibre cables - Part 1-1: Generic specification - General (IEC 60794-1-1:2015); German version EN 60794-1-1:2016	A
	DIN EN 60794-1-2 (VDE 0888-100-2):2017-09 IEC 60794-1-2:2017 EN 60794-1-2:2017	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance (IEC 60794-1-2:2017); German version EN 60794-1-2:2017	A

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	DIN EN IEC 60794-1-22 (VDE 0888-100-22):2019-05 IEC 60794-1-22:2017 EN 60794-1-22:2018	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance (IEC 60794-1-2:2021); German version EN IEC 60794-1-2:2021	A
	DIN EN 60794-3 (VDE 0888-108):2015-12 IEC 60794-3:2014 EN 60794-3:2015	Optical fibre cables - Part 3: Outdoor cables - Sectional specification (IEC 60794-3:2014); German version EN 60794-3:2015	A
	DIN EN 60794-2 (VDE 0888-115):2018-05 IEC 60794-2:2017 EN 60794-2:2017	Optical fibre cables - Part 2: Indoor cables - Sectional specification (IEC 60794-2:2017); German version EN 60794-2:2017	A
	DIN EN 60794-2-10 (VDE 0888-116):2012-03 IEC 60794-2-10:2011 EN 60794-2-10:2011	Optical Fibre Cables - Part 2-10: Indoor optical fibre cables - Family specification for simplex and duplex cables (IEC 60794-2-10:2011); German version EN 60794-2-10:2011	A
	DIN EN 60794-2-20 (VDE 0888-117):2014-09 IEC 60794-2-20:2013 EN 60794-2-20:2014	Optical fibre cables - Part 2-20: Indoor cables - Family specification for multi-fibre optical cables (IEC 60794-2-20:2013); German version EN 60794-2-20:2014	A
	DIN EN IEC 60794-2-30 (VDE 0888-118):2020-02 IEC 60794-2-30:2019 EN 60794-2-30:2019	Optical fibre cables - Part 2-30: Indoor cables - Family specification for optical fibre ribbon cables for use in terminated cable assemblies (IEC 60794-2-30:2019); German version EN IEC 60794-2-30:2019	A

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	DIN EN 60794-2-40 (VDE 0888-119):2008-12 IEC 60794-2-40:2008 EN 60794-2-40:2008	Lichtwellenleiterkabel - Teil 2-40: LWL-Innenkabel - Familienspezifikation für Kabel mit Fasern der Kategorie A4 (IEC 60794-2- 40:2008); Deutsche Fassung EN 60794-2-40:2008	A
	DIN EN 60794-2-50 (VDE 0888-120):2009-02 IEC 60794-2-50:2008 EN 60794-2-50:2008	Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies (IEC 60794-2-50:2020); German version EN IEC 60794-2-50:2020	A
	DIN EN 60794-2-41 (VDE 0888-121):2009-05 IEC 60794-2-41:2008 EN 60794-2-41:2008	Optical fibre cables - Part 2-41: Indoor cables - Product specification for simplex and duplex buffered A4 fibres	A
	DIN EN 60794-2-42 (VDE 0888-122):2009-01 IEC 60794-2-42:2008 EN 60794-2-42:2008	Optical fibre cables - Part 2-42: Indoor optical fibre cables - Product specification for simplex and duplex cables with A4 fibres	A
	VDE 0888-200-1:2009 IEC 60793-1-1:2008 EN 60793-1-1:2008	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance	A
	DIN EN 60793-1-21 (VDE 0888-221):2002-11 IEC 60793-1-21:2001 EN 60793-1-21:2002	Optical fibres - Part 1-21: Measurement methods and test procedures; Coating geometry	A
	DIN EN 60793-1-31 (VDE 0888-231):2011-02 IEC 60793-1-31:2010 EN 60793-1-31:2010	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile strength (IEC 60793-1-31:2010); German version EN 60793-1-31:2010	A
	DIN EN IEC 60793-1-32 (VDE 0888-232):2020-02 IEC 60793-1-32:2010 EN 60793-1-32:2010	Optical fibres - Part 1-32: Measurement methods and test procedures - Coating strippability (IEC 60793-1-32:2018); German version EN IEC 60793-1-32:2018	A

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	DIN EN 60793-1-34 (VDE 0888-234):2007-01 IEC 60793-1-34:2006 EN 60793-1-34:2006	Optical fibres - Part 1-34: Measurement methods and test procedures - Fibre curl (IEC 60793-1-34:2006); German version EN 60793-1-34:2006	A
	DIN EN IEC 60793-1-40 (VDE 0888-240):2020-05 IEC 60793-1-40:2003 EN 60793-1-40:2003	Optical fibres - Part 1-40: Attenuation measurement methods (IEC 60793-1-40:2019); German version EN IEC 60793-1-40:2019	A
	DIN EN 60793-1-44 (VDE 0888-244):2012-02 IEC 60793-1-44:2011 EN 60793-1-44:2011	Optical fibres - Part 1-44: Measurement methods and test procedures - Cut-off wave-length	A
	DIN EN IEC 60793-1-47 (VDE 0888-247):2020-03 IEC 60793-1-47:2017 EN 60793-1-47:2018	Optical fibres - Part 1-47: Measurement methods and test procedures - Macrobending loss	A
	DIN EN 60793-1-52 (VDE 0888-252):2014-09 IEC 60793-1-52:2014 EN 60793-1-52:2014	Optical fibres - Part 1-52: Measurement methods and test procedures - Change of temperature tests	A
	DIN EN 62134-1 (VDE 0888-741):2010-07 IEC 62134-1:2009 EN 62134-1:2009	Fibre optic interconnecting devices and passive components - Fibre optic closures - Part 1: Generic specification	A
	DIN VDE 0888-745 (VDE 0888-745):2010-12	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Type EM-RJ connector family	A

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	DIN EN 50411-6-1 (VDE 0888-500-61):2012-03 EN 50411-6-1:2011	Fibre organisers and closures to be used in optical fibre communication systems – Product specifications - Part 6-1: Unprotected microduct for category S and A	A
	DIN EN 61758-1 (VDE 0888-601):2009-03 IEC 61758-1:2008 EN 61758-1:2008	Fibre optic interconnecting devices and passive components - Interface standard for closures - Part 1: General and guidance	A
	DIN EN 50411-2-2 (VDE 0888-611-2-2):2012-11 EN 50411-2-2:2012	Fibre organisers and closures to be used in optical fibre communication systems – Product specifications - Part 2-2: Sealed pan fibre splice closures Type 1, for category S & A	A
	DIN EN 61073-1 (VDE 0888-731):2009-11 IEC 61073-1:2009 EN 61073-1:2009	Fibre optic interconnecting devices and pas-sive components - Mechanical splices and fusion splice protectors for optical fibres and cables - Part 1: Generic specification	A
	DIN EN 62134-1 (VDE 0888-741):2010-07 IEC 62134-1:2009 EN 62134-1:2009	Fibre optic interconnecting devices and pas-sive components - Fibre optic closures - Part 1: Generic specification	A
	DIN VDE 0888-745 (VDE 0888-745):2010-12	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Type EM-RJ connector family	A

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4.6 Requirements for flexible insulating sleeves			
	DIN EN 60454-1 (VDE 0340-1):1997-05 IEC 60454-1:1992 EN 60454-1:1994	Specifications for pressure-sensitive adhesive tapes for electrical purposes - Part 1: General requirements	A
	DIN EN 60454-2 (VDE 0340-2):2008-05 IEC 60454-2:2007 EN 60454-2:2007	Pressure-sensitive adhesive tapes for electrical purposes - Part 2: Methods of test	A
4.7 Regulations for insulating hoses			
	DIN EN 60684-1 (VDE 0341-1):2004-02 IEC 60684-1:2003 EN 60684-1:2003	Flexible Insulating sleeving - Part 1: Definitions and general requirements	A
	DIN EN 60684-2 (VDE 0341-2):2012-05 IEC 60684-2:2011 EN 60684-2:2011	Flexible insulating sleeving - Part 2: Methods of test	A
4.8 Heat shrinkable moulded shapes			
	DIN EN 62329-1 (VDE 0342-1):2006-10 IEC 62329-1:2005 EN 62329-1:2006	Heat shrinkable moulded shapes - Part 1: Definitions and general requirements	A
	DIN EN 62329-1 (VDE 0342-1) Berichtigung 1:2007-03 IEC 62329-2:2006 EN 62329-2:2006	Heat shrinkable moulded shapes - Part 1: Definitions and general requirements (IEC 62329-1:2005); German version EN 62329-1:2006	A
	DIN EN 62329-3-100 (VDE 0342-3-100):2011-03 IEC 62329-3-100:2010 EN 62329-3-100:2010	Heat-shrinkable moulded shapes - Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance - Sheet 100: Heat-shrinkable moulded shape dimensions	A

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	DIN EN 62329-3-101 (VDE 0342-3-101):2011-05 IEC 62329-3-101:2010 EN 62329-3-101:2010	Heat-shrinkable moulded shapes - Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance - Sheet 101: Heat-shrinkable moulded shapes, polyolefin, semi-rigid, limited fire hazard, material requirements and system performance	A
	DIN EN 62329-3-102 (VDE 0342-3-102):2011-05 IEC 62329-3-102:2010 EN 62329-3-102:2010	Heat-shrinkable moulded shapes - Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance - Sheet 102: Heat-shrinkable elastomeric moulded shapes, semi-rigid, material requirements and system performance	A
4.9	Cable trunking systems and cable ducting systems for electrical installations		
	DIN EN 50085-1 (VDE 0604-1):2014-05 EN 50085-1:2005 + A1:2013	Cable trunking systems and cable ducting systems for electrical installations - Part 1: General requirements	A
	DIN EN 50085-2-1 (VDE 0604-2-1):2012-09 EN 50085-2-1:2006 + A1:2011	Cable trunking systems and cable ducting systems for electrical installations - Part 2-1: Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings	A
	DIN EN 50085-2-2 (VDE 0604-2-2):2009-07 EN 50085-2-2:2008	Cable trunking systems and cable ducting systems for electrical installations - Part 2-2: Particular requirements for cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor or onfloor	A

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	DIN EN 50085-2-3 (VDE 0604-2-3):2011-01 EN 50085-2-3:2010	Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements for slotted cable trunking systems intended for installation in cabinets	A
	DIN EN 50085-2-4 (VDE 0604-2-4):2010-04 EN 50085-2-4:2009	Cable trunking systems and cable ducting systems for electrical installations - Part 2-4: Particular requirements for service poles and service posts	A
	DIN EN 50085-2-4 (VDE 0604-2-4) Berichtigung 1:2020-07	Elektroinstallationskanalsysteme für elektrische Installationen - Teil 2-4: Besondere Anforderungen für freistehende Installationseinheiten; Deutsche Fassung EN 50085-2-4:2009; Berichtigung 1	A
	DIN EN 50642 (VDE 0604-2-100):2019-05	Cable management systems - Test method for content of halogens; German version EN 50642:2018	A
	DIN EN IEC 62275 (VDE 0604-201):2020-08 IEC 62275:2018 EN 62275:2019	Cable management systems - Cable ties for electrical installations (IEC 62275:2018); German version EN IEC 62275:2019	A
	DIN EN 61914 (VDE 0604-202):2016-11 IEC 61914:2015 EN 61914:2016	Cable cleats for electrical installations (IEC 61914:2015); German version EN 61914:2016	A
	DIN EN 62549 (VDE 0604-300):2012-08 IEC 62549:2011 EN 62549:2011	Articulated systems and flexible systems for cable guiding (IEC 62549:2011); German version EN 62549:2011	A
	DIN EN IEC 60900 (VDE 0682-201):2019-04 IEC 60900:2018 EN IEC 60900:2018	Live working - Hand tools for use up to 1 000 V AC and 1 500 V DC (IEC 60900:2018); German version EN IEC 60900:2018	A

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	DIN EN IEC 60900 (VDE 0682-201) Berichtigung 1: 2020-11	Live working - Hand tools for use up to 1 000 V AC and 1 500 V DC (IEC 60900:2018/COR2:2020); German version EN IEC 60900:2018/AC:2020-05	A
4.10	Cable trunking systems and cable ducting systems for electrical installations		
	IEC 61084-1: 2017	Cable trunking and ducting systems for electrical installations; Part 1: General requirements	A
	IEC 61084-2-1: 2017	Cable trunking and ducting systems for electrical installations - Part 2: Particular requirements - Section 1: Cable trunking and ducting systems intended for mounting on walls or ceilings	A
	IEC 61084-2-2:2017	Cable trunking and ducting systems for electrical installations - Part 2-2: Particular requirements; Cable trunking systems and cable ducting systems intended for underfloor and flush-floor installations	A
	DIN EN 61534 (VDE 0604-100):2015-03	Powertrack systems - Part 1: General requirements; (IEC 61534-1:2011 + A1:2014); Deutsche Fassung EN 61534-1:2011 + A1:2014	A
4.11	Cable trunking systems and cable ducting systems for electrical installations		
	DIN EN 61537 (VDE 0639):2007-09 IEC 61537:2006 EN 61537:2007	Cable management - Cable tray systems and cable ladder systems (IEC 61537:2006); German version EN 61537:2007	A

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	DIN EN 61386-1 (VDE 0605-1):2020-08 IEC 61386-1:2017 EN 61386-1:2019	Conduit systems for cable management - Part 1: General requirements (IEC 61386-1:2008 + A1:2017); German version EN 61386-1:2008 + A1:2019	A
	DIN EN 61386-21 (VDE 0605-21):2020-08 IEC 61386-21:2002 EN 61386-21:2004	Conduit systems for cable management - Part 21: Particular requirements - Rigid conduit systems (IEC 61386-21:2002); German version EN 61386-21:2004 + A11:2010	A
	DIN EN 61386-22 (VDE 0605-22):2020-08 IEC 61386-22:2002 EN 61386-22:2004	Conduit Systems for cable management - Part 22: Particular requirements - Pliable conduit systems	A
	DIN EN 61386-23 (VDE 0605-23):2011-12 IEC 61386-23:2002 EN 61386-23:2004	Conduit systems for cable management - Part 23: Particular requirements - Flexible conduit systems	A
	DIN EN 61386-24 (VDE 0605-24):2011-08 IEC 61386-24:2004 EN 61386-24:2010	Conduit systems for cable management - Part 24: Particular requirements - Conduit systems buried underground	A
	DIN EN 61386-25 (VDE 0605-25):2012-06 IEC 61386-25:2011 EN 61386-25:2011	Conduit systems for cable management - Part 25: Particular requirements - Conduit fixing devices	A

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	DIN EN 50369 (VDE 0605-100):2006-03 EN 50369:2005	Liquid tight sheathing systems for cable management	A
	DIN EN 50520 (VDE 0605-500):2020-12 EN 50520:2020	Cover plates and cover tapes for the protection and location warning of buried cables or buried conduits in underground installations	A
	ISO 6722-1:2011-10 with Corrigendum ISO 6722-1 Technical Correction 2012-09	Road vehicles - 60 V and 600 V single-core cables - Part 1: Dimensions, test methods and requirements for copper conductor cables in connection with UN ECE Regulation No. 118 Amendment 1 Clause 6.2.5	A
4.12	Telecommunication cable, signal cable		
	ARCOR - Technical Specification Sheet No TNP 03:2000-10	Telecommunication cable ST I - base of the rail cable model	A
	ARCOR - Technical Specification Sheet No TNP 04:2000-10	Telecommunication cable ST I - air cable model	A
	Technical Specification Sheet DB AG No 416.0113:2011-03	Signal cable in wire stranding with PE-insulation and PE-sheath - H 115 / H 145 –	A
	Technical Specification Sheet DB AG No 416.0114:2011-03	Signal cable in wire stranding with PE-insulation and PE-sheath - H 95 –	A
	Technical Specification Sheet DB AG No 416.0115:2007-08	Signal cable with star quad cable with PE-insulation and PE-sheath - H 45 –	A
	Technical Specification Sheet DB AG No 416.0119:2009-03	„PZB-Control cable for fix installation with massiv copper conductors, with star quad cable and with static shield“	A

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	DB Technisches Lastenheft DB AG Nr. 416.0121:2010-03	Signal cable for special purposes with cord strand, star quad cable, longitudinally water-proof - (PZB- connector cable)	A
	DB Technical Specification Sheet DB AG No 416.0101:2009-01	Line cable - with PE- or FRNC- insulation - LZB –	A
	DB Technical Specification Sheet DB AG No 416.0111:2014-04	Signal cable, base of the rail cable model	A
	DB Technical Specification Sheet DB AG No 416.0112:2013-04	Base of the rail cable model, signal and TK-cable, ESTW - Duo Track-cable	A
	DB Technisches Lastenheft DB AG Nr. 416.0118:2009-07	Combined signal cable in star quad and core stranding	A
	Technisches Lastenheft DB AG Nr. 416.0113:2007-03	Signal cable in core stranding with PE insulation and PE sheath - H 115 / H 145	A
	Technisches Lastenheft DB AG Nr. 416.0114:2007-03	Insulation and PE sheath - H 95 -	A
4.13	Cables, cords and accessories for military use		
	VG 95218-1:2019	Cables and insulated wires - Part 1: Summary	A
	VG 95218-2:2017 VG 95218-2/A1:2019	Cables and insulated wires - Part 2: Generic specification	A
	VG 95218-5:2020	Electrical cables and insulated wires – Part 5: Current rating	A
	VG 95218-8:2020	Cables and insulated wires - Part 8: Sheaths of cables and insulated wires, detail standard	A
	VG 95218-9:2020	Cables and insulated wires - Part 9: Construction of special cables and insulated wires, detail standard	A
	VG 95218-10:2017 VG 95218-10/A1:2020	Electrical cables and insulated wires – Part 10: Heavy tough-rubber sheathed flexible cables, detail specification	A

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	VG 95218-11:2018 VG 95218-11/A1:2020	Cables and insulated wires - Part 11: Cables for voice transmission, not coiled and coiled, detail specification	A
	VG 95218-13:2020	Cables and insulated wires - Part 13: Rubber insulated cables and insulated wires, detail specification	A
	VG 95218-14:2018 VG 95218-14/A1:2020	Electrical cables and insulated wires – Part 14: Medium voltage cables and wires, screened, with sheath, halogen-free, low fire hazard, detail specification	A
	VG 95218-20:2020	Cables and insulated wires - Part 20: Single core insulated wires, detail standard	A
	VG 95218-21:2014 VG 95218-21/A2:2019	Cables and insulated wires - Part 21: Multi-core insulated wires, detail standard	A
	VG 95218-22:2015 VG 95218-22/A1:2019	Electrical cables and insulated wires – Part 22: Single core insulated wires with screen and protective cover	A
	VG 95218-23:2017 VG 95218-23/A1:2019	Electrical cables and insulated wires – Part 23: Cables with screen and protective cover; Detail specification	A
	VG 95218-24:2015	Electrical cables and insulated wires – Part 24: Single core insulated wires with sheath; Detail specification	A
	VG 95218-25:2012	Cables and insulated wires - Part 25: Single core insulated wires, high flexible, with sheath, detail specification	A
	VG 95218-26:2010 VG 95218-26 Berichtigung 1:2011	Cables and insulated wires - Part 26: Single core insulated wires, high flexible, screened, with sheath, detail specification	A
	VG 95218-27:2019	Electrical cables and insulated wires – Part 27: Cable with sheath, detail specification	A

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	VG 95218-28:2019	Electrical cables and insulated wires - Part 28: Cable screened, with sheath; detail specification	A
	VG 95218-29:2020	Cables and insulated wires - Part 29: Cables, longitudinal watertight, transversal water-tight, detail standard	A
	VG 95218-30:2019	Cables and insulated wires - Part 30: Optical fibre cables with sheath, detail specification	A
	VG 95218-31:2020	Cables and insulated wires - Part 31: Cables for data transmission with sheath, halogen-free, low fire hazard, detail specification	A
	VG 95218-60:2016 VG 95218-60/A1:2018	Cables and insulated wires - Part 60: Cables and insulated wires with and without screen, with sheath, halogen-free, low fire hazard, detail standard	A
	VG 95218-61:2016 VG 95218-61/A1:2018	Cables and insulated wires - Part 61: Cable with screen and sheath, light weight, halogen-free, low fire hazard, detail standard	A
	VG 95218-62:2013	Cables and insulated wires - Part 62: Cable with screen and sheath, pair formation, not screened, halogen-free, low fire hazard, detail standard	A
	VG 95218-63:2016	Cables and insulated wires - Part 63: Cable with screen and sheath, pair formation, screened, halogen-free, low fire hazard, detail standard	A
	VG 95218-64:2016	Cables and insulated wires - Part 64: Cable with single and double screen, with sheath, pair and triple formation, not screened, halogen-free, low fire hazard, detail standard	A

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	VG 95218-65:2016	Cables and insulated wires - Part 65: Cable with screen and sheath, cabled single elements, screened, halogen- free, low fire hazard, detail standard	A
	VG 95218-66:2016 VG 95218-66 Beiblatt 1:2000	Cables and insulated wires - Part 66: Cable with double screen, with sheath, triple formation, screened, halogen-free, low fire hazard, detail standard	A
	VG 95218-101:2018	Electrical cables and insulated wires – Part 101: Coaxial wires, detail specification	A
	VG 95218-1007:1998	Electrical cables and insulated wires – Part 1007: Rubber insulated arc welding cables H01N2; cross- reference list for standardization of types	A
	VG 95218-1008:2020	Cables and insulated wires - Part 1008: Rubber insulated cables for illumination chains, halogenfree, low fire hazard, detail standard; Text in German and English	A
	VG 95218-1009:2011	Cables and insulated wires - Part 1009: Coaxial wires and radio frequency cables, selection of specifications of the series MIL-C-17 and MIL-DTL-17	A
4.14	Heat shrinkable components		
	VG 95343-1:2011-10	Heat shrinkable components - Part 1: Summary; Text in German and English	A
	VG 95343-2:2020-12	Heat shrinkable components - Part 2: Generic specification; Text in German and English	A

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	VG 95343-2/A2:2017-09	Heat shrinkable components - Part 2: Generic specification; change A1; Text in German and English	A
	VG 95343-5:2016-10	Heat shrinkable components - Part 5: Sleeving without coating, detail specification; Text in German and English	A
	VG 95343-6:2015-10	Heat shrinkable components - Part 6: Connector endshell without inner coating, detail specification; Text in German and English	A
	VG 95343-7:2012-08	Heat shrinkable components - Part 7: Connector endshells without inner coating, pottable, detail specification Text in German and English	A
	VG 95343-8:2016-03	Heat shrinkable components - Part 8: Transition parts without inner coating, detail specification	A
	VG 95343-9:2016-03	Heat shrinkable components - Part 9: Branching parts without inner coating, pottable, detail specification	A
	VG 95343-9 Beiblatt 1:2007-02	Heat shrinkable components - Part 9: Transition parts without inner coating, pottable, detail standard; Text in German and English	A
	VG 95343-10:2008	Heat shrinkable components - Part 5: Sleeving without coating, detail standard; Text in German and English	A
	VG 95343-12:2010	Heat shrinkable components - Part 12: Sleeving with inner coating, detail specification	A

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	VG 95343-13:2018-10	Heat shrinkable components - Part 13: Compatibility test for component groups, requirements, tests; Text in German and English	A
	VG 95343-14:2018-02	Heat shrinkable components - Part 14: Com-patibility test for component groups, requirements, tests	A
	VG 95343-15:2019-08	Heat shrinkable components - Part 15: Adhesives, detail specification	A
	VG 95343-18:2017-05	Heat shrinkable components - Part 18: Connector endshells with inner coating, detail specification	A
	VG 95343-19:2016-03	Heat shrinkable components - Part 19: Branching parts with inner coating, detail specification	A
	VG 95343-22:2009-12	Heat shrinkable components - Part 22: Shielding of component groups, requirements, tests, testing standard	A
	VG 95343-24:2009-12	Heat shrinkable components - Part 24: Feed throughs without inner coatings, detail specification	A
	VG 95343-25:2015-10	Heat shrinkable components - Part 25: Feed throughs without inner coatings, detail specification	A
	VG 95343-27:2006	Heat shrinkable parts - Part 27: Connecting sleeves and branch-off sleeves, detail specification	A

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	VG 95343-28:2017-08	Heat shrinkable components - Part 28: Connector endshells without inner coating, halogen-free, detail specification	A
	VG 95343-29:2020-12	Heat shrinkable components - Part 29: Connector endshells with inner coating, halogen-free, detail specification	A
	VG 95343-30:2012-08	Heat shrinkable components - Part 30: Transition parts with inner coating, halogen-free, detail specification	A
	VG 96933-20:2012-06	Electrical connection elements - Part 20: End-sleeves for cores, detail specification; Text in German and English	A
	VG 96936-6:2020	Protective conduits, protective sleeves, protective channels; protective conduits; detail specification	A
	VG 96936-8:2013	Protective conduits, protective sleeves, protective channels - Part 8: Protective metal conduits, detail specification; Text in German and English	A
	VG 96936-8:2022	Protective conduits, protective sleeves, protective channels - Part 8: Protective metal conduits, detail standard; Text in German and English	A
	VG 96936-10:2007	Protective conduits, protective sleeves, protective channels - Part 10: Metallic tubular braids and braid conductors, detail specification; text in German and English	A

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	VG 96936-11:1996	Flexible Protective Conduits, Protective Conduits Trunking System - Part 11: Flexible Protective Conduits, Screened, Detail Specification	A
	MIL DTL 17J :2014 w/AMENDMENT 1:2017 w/AMENDMENT 2:2019	CABLES, RADIO FREQUENCY, FLEXIBLE AND SEMIRIGID GENERAL SPECIFICATION	A
	DIN EN 50414 (VDE 0473-414):2007-03 EN 50414:2006	Test methods for analysis of lead in PVC taken from insulation and sheath of electric and optical fibre cables - Method A: Total lead content determination with flame excitation atomic absorption spectrometry - Method B: Qualitative analysis of lead by lead sulphide staining; German version EN 50414:2006	A
4.15	Analysis of halogen-free by IC		
	DIN VDE V 0604-2-100:2012-08	Electrical installation systems for electrical energy and information - Part 2-100: Test methods for halogen- free	A
	DIN EN 50642 (VDE 0604-2- 100):2019-05	Cable management systems - Test method for content of halogens; German version EN 50642:2018	A

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4.16	Mounting and marking parts		
	VG 95387-1:2012	Mounting and marking parts - Part 1: Summary	A
	VG 95387-2:2008	Mounting and marking parts - Part 2: Generic specification	A
	VG 95387-3:2011	Mounting and marking parts - Part 3: Mounting instructions	A
	VG 95387-4:2008+A1:2010	Mounting and marking parts - Part 4: Ties, halogen-free, detail specification;	A
	VG 95387-5:2012	Mounting and marking parts - Part 5: Holding devices for ties, detail specification	A
	VG 95387-7:2019	Mounting and marking parts - Part 7: Lock washers, detail specification	A
	VG 95387-106:2012	Mounting and marking parts - Part 106: Tie down straps, mounting plates, mounting brackets, selection from SAE AS 23190/3A, SAE AS 33391A, SAE AS 33401A and SAE AS 33411A	A
4.17	Testing of cables, wires and flexible cords		
	DIN VDE 0472-1:1987-06	Testing of cables, wires and flexible cords; general	A
	DIN 57472-505:1983-04	Testing of cables, wires and flexible cords; loss factor, dielectric loss coefficient and leakance	A

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	DIN 57472-506:1983-04	Testing of cables, wires and flexible cords; capacitance unbalance	A
	DIN 57472-507:1983-04	Testing of cables, wires and flexible cords; reduction factor	A
	DIN VDE 0472-509:1986-10	Testing of cables, wires and flexible cords; dielectric strength on cables, wires and cords for telecommunication systems	A
	DIN VDE 0472-512:1985-05	Testing of cables, wires and flexible cords; resistance between protective conductor and semi-conductive layer	A
	DIN VDE 0472-603:1989-07	Testing of cables, wires and flexible cords; bending behavior	A
	DIN VDE 0472-604:1985-05	Testing of insulated cables and flexible cords; air pressure test of covered cable	A
	DIN VDE 0472-605:1985-01	Testing of cables, insulated wires and flexible cords; abrasion	A
	DIN VDE 0472-613:1985-11	Testing of cables, wires and flexible cords; tear resistance	A
	DIN 57472-619:1983-01	Testing of cables, wires and flexible cords; indentation strength	A
	DIN 57472-621:1983-01	Testing of cables, wires and flexible cords; crystallite melting point	A
	DIN 57472-623:1983-01	Testing of cables, wires and flexible cords; elongation at break of copper conductor	A

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	DIN 57472-625:1983-01	Testing of cables, wires and flexible cords; traction relief for cables and insulated wires by strain-bearing elements	A
	DIN 57472-626:1983-01	Testing of cables, wires and flexible cords; breaking length	A
	DIN VDE 0472-705:1987-01	Testing of cables, wires and flexible cords; indirect carbon black determination for PVC-sheaths	A
	DIN VDE 0472-801:1986-03	Testing of cables, wires and flexible cords; quality of zinc coatings	A
	DIN VDE 0472-805:1994-01	Testing of cables, wires and flexible cords; ozone resistance	A
	DIN 57472-808:1984-02	Testing of cables, wires and flexible cords; tinning, solderability and soldering shrinkage	A
	DIN 57472-812:1984-02	Testing of cables, wires and flexible cords; continuity of metallic coatings	A
	DIN VDE 0472-814:1991-01	Testing of cables, wires and flexible cords; continuance of isolation effect under fire conditions	A
	DIN VDE 0472-815:1989-03	Testing of cables, wires and flexible cords; non-halogen verification;	A
	DIN EN 50289-1-1:2002-02 DIN EN 50289-1-1 (VDE 0819-289-1-1):2018-02 EN 50289-1-1:2001	Communication cables - Specifications for test methods - Part 1-1: Electrical test methods; General requirements	A
	DIN EN 50289-1-2:2002	Communication cables - Specifications for test methods - Part 1-2: Electrical test methods; DC resistance; German version EN 50289-1-2:2001	A

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	EN 50289-1-2:2001 EN 50289-1-2:2002-02	Communication cables - Specifications for test methods - Part 1-2: Electrical test methods; DC resistance;	A
	DIN EN 50289-1-3:2002-02 EN 50289-1-3:2001	Communication cables - Specifications for test methods - Part 1-3: Electrical test methods; Dielectric strength;	A
	DIN EN 50289-1-4:2002-02 EN 50289-1-4:2001	Communication cables - Specifications for test methods - Part 1-4: Electrical test methods; Insulation resistance;	A
	DIN EN 50289-1-5:2002-02 EN 50289-1-5:2001	Communication cables - Specifications for test methods - Part 1-5: Electrical test methods; Capacitance	A
	DIN EN 50289-1-6:2002-12 EN 50289-1-6:2002	Communication cables - Specifications for test methods - Part 1-6: Electrical test methods; Electromagnetic performance;	A
	DIN EN 50289-1-7:2002-02 EN 50289-1-7:2001	Communication cables - Specifications for test methods - Part 1-7: Electrical test methods; Velocity of propagation	A
	DIN EN 50289-1-8:2002-02 EN 50289-1-8:2001	Communication cables - Specifications for test methods - Part 1-8: Electrical test methods	A
	DIN EN 50289-1-9:2002-07 EN 50289-1-9:2001	Communication cables - Specifications for test methods - Part 1-9: Electrical test methods – Unbalance attenuation (longitudinal conversion loss, longitudinal conversion transfer loss);	A
	DIN EN 50289-1-10:2002-07 EN 50289-1-10:2001	Communication cables - Specifications for test methods - Part 1-10: Electrical test methods; Crosstalk;	A
	DIN EN 50289-1-11:2002-02 DIN EN 50289-1-11 (VDE 0819-289-1-11):2018-08 EN 50289-1-11:2001	Communication cables - Specifications for test methods - Part 1-11: Electrical test methods; Characteristic impedance, input impedance, return loss;	A

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	DIN EN 50289-1-12:2005-10 EN 50289-1-12:2005	Communication cables - Specifications for test methods - Part 1-12: Electrical test methods - Inductance;	A
	DIN EN 50289-1-13:2004-12 EN 50289-1-13:2004	Communication cables - Specifications for test methods - Part 1-13: Electrical test methods - Coupling attenuation or screening attenuation of patch cords / coaxial cable assemblies / pre-connectorised cables;	A
	DIN EN 50289-1-14:2004-12 EN 50289-1-14:2004	Communication cables - Specifications for test methods - Part 1-14: Electrical test methods - Coupling attenuation or screening attenuation of connecting hardware;	A
	DIN EN 50289-1-15:2005-02 EN 50289-1-15:2004	Communication cables - Specifications for test methods - Part 1-15: Electromagnetic performance - Coupling attenuation of links and channels (Laboratory conditions);	A
	DIN EN 50289-1-16:2007-10 EN 50289-1-16:2007	Communication cables - Specifications for test methods - Part 1-16: Electromagnetic performance - Coupling attenuation of cable assemblies (Field conditions);	A
	DIN EN 50289-1-17:2006-09 EN 50289-1-17:2006	Communication cables - Specifications for test methods - Part 1-17: Electrical test methods - Exogenous Crosstalk ExNEXT and ExFEXT;	A
	DIN EN 50289-3-1:2002-05 EN 50289-3-1:2001	Communication cables - Specifications for test methods - Part 3-1: Mechanical test methods; General requirements;	A
	DIN EN 50289-3-2:2002-05 EN 50289-3-2:2001	Communication cables - Specifications for test methods - Part 3-2: Mechanical test methods; Tensile strength and elongation for conductor;	A

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	DIN EN 50289-3-4:2002-05 EN 50289-3-4:2001	Communication cables - Specifications for test methods - Part 3-4: Mechanical test methods; Shrinkage of insulation;	A
	DIN EN 50289-3-5:2002-05 EN 50289-3-5:2001	Communication cables - Specifications for test methods - Part 3-5: Mechanical test methods; Crush resistance of the cable;	A
	DIN EN 50289-3-6:2002-05 EN 50289-3-6:2001	Communication cables - Specifications for test methods - Part 3-6: Mechanical test methods; Impact resistance of the cable;	A
	DIN EN 50289-3-7:2002-05 EN 50289-3-7:2001	Communication cables - Specifications for test methods - Part 3-7: Mechanical test methods; Abrasion resistance of the cable sheath;	A
	DIN EN 50289-3-8 (VDE 0819-289- 38):2014-09 EN 50289-3-8:2013	Communication cables - Specifications for test methods - Part 3-8: Mechanical test methods - Abrasion resistance of cable sheath markings;	A
	DIN EN 50289-3-9:2002-05 EN 50289-3-9:2001	Communication cables - Specifications for test methods - Part 3-9: Mechanical test methods; Bending tests;	A
	DIN EN 50289-3-10:2005-10 EN 50289-3-10:2004	Communication cables - Specifications for tests methods - Part 3-10: Mechanical test methods - Torsion and twisting;	A
	DIN EN 50289-3-11:2002-05 EN 50289-3-11:2001	Communication cables - Specifications for test methods - Part 3-11: Mechanical test methods; Cable cut-through resistance;	A

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	DIN EN 50289-3-12:2002-05 EN 50289-3-12:2001	Communication cables - Specifications for test methods - Part 3-12: Mechanical test methods; Shot gun damage;	A
	DIN EN 50289-3-13:2004-02 EN 50289-3-13:2003	Communication cables - Specifications for test methods - Part 3-13: Mechanical test methods - Aeolian vibration;	A
	DIN EN 50289-3-15:2004-01 EN 50289-3-15:2003	Communication cables - Specifications for test methods - Part 3-15: Mechanical test methods - Underwater cable resistance to hydrostatic pressure;	A
	DIN EN 50289-3-16:2002-05 EN 50289-3-16:2001	Communication cables - Specifications for test methods - Part 3-16: Mechanical test methods; Cable tensile performance;	A
	DIN EN 50289-3-17:2002-09 EN 50289-3-17:2002	Communication cables - Specifications for test methods - Part 3-17: Mechanical test methods; Adhesion of dielectric and sheath;	A
	DIN EN 50289-4-1:2002-05 EN 50289-4-1:2001	Communication cables - Specifications for test methods - Part 4-1: Environmental test methods; General requirements;	A
	DIN EN 50289-4-2:2002-05 EN 50289-4-2:2001	Communication cables - Specifications for test methods - Part 4-2: Environmental test methods; Water penetration;	A
	DIN EN 50289-4-4:2008-08 EN 50289-4-4:2008	Communication cables - Specifications for test methods - Part 4-4: Environmental test methods - Resistance to solvents and contaminating fluids;	A
	DIN EN 50289-4-5:2008-08 EN 50289-4-5:2008	Communication cables - Specifications for test methods - Part 4-5: Environmental test methods - Climatic sequence;	A

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	DIN EN 50289-4-6:2002-05 EN 50289-4-6:2001	Communication cables - Specifications for test methods - Part 4-6: Environmental test methods; Temperature cycling;	A
	DIN EN 50289-4-7:2008-08 EN 50289-4-7:2008	Communication cables - Specifications for test methods - Part 4-7: Environmental test methods - Damp heat steady state;	A
	DIN EN 50289-4-9:2002-05 EN 50289-4-9:2001	Communication cables - Specifications for test methods - Part 4-9: Environmental test methods; Pneumatic resistance;	A
	DIN EN 50289-4-11:2002-10 EN 50289-4-11:2002	Communication cables - Specifications for test methods - Part 4-11: Environmental test methods; A horizontal integrated fire test method;	A
	DIN EN 50289-4-12:2005-02 EN 50289-4-12:2004	Communication cables - Specifications for test methods - Part 4-12: Environmental test methods - Vertical flame spread test on bunched small communication cables;	A
	DIN EN 50289-4-14:2004-02 EN 50289-4-14:2003	Communication cables - Specifications for test methods - Part 4-14: Environmental test methods - Lightning;	A
	DIN EN 50289-4-16(VDE 0819-289- 4-16):2017-03 EN 50289-4-16:2016	Communication cables - Specifications for test methods - Part 4-16: Environmental test methods - Circuit integrity under fire conditions;	A
	DIN EN 50289-4-17 (VDE 0819-289- 4-17):2011-10 EN 50289-4-17:2011	Communication cables - Specifications for test methods - Part 4-17: Test methods for UV resistance evaluation of the sheath of electrical and optical fibre cable;	A

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	DIN EN 60811-100 (VDE 0473-811-100):2012-12 EN 60811-100:2012 IEC 60811-100:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 100: General	A
	DIN EN 60811-201 (VDE 0473-811-201):2018-05 EN 60811-201:2012 IEC 60811-201:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 201: General tests - Measurement of insulation thickness	A
	DIN EN 60811-202 (VDE 0473-811-202):2018-05 EN 60811-202:2012 IEC 60811-202:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 202: General tests - Measurement of thickness of non-metallic sheath	A
	DIN EN 60811-203 (VDE 0473-811-203):2012-12 EN 60811-203:2012 IEC 60811-203:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 203: General tests - Measurement of overall dimensions	A
	DIN EN 60811-301 (VDE 0473-811-301):2012-12 EN 60811-301:2012 IEC 60811-301:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 301: Electrical tests - Measurement of the permittivity at 23°C of filling compounds	A
	DIN EN 60811-302 (VDE 0473-811-302):2012-12 EN 60811-302:2012 IEC 60811-302:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 302: Electrical tests - Measurement of the d. c. resistivity at 23°C and 100°C of filling compounds	A
	DIN EN 60811-401 (VDE 0473-811-401):2018-05 EN 60811-401:2012 IEC 60811-401:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 401: Miscellaneous tests - Thermal ageing methods – Ageing in an air oven	A

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	DIN EN 60811-402 (VDE 0473-811-402):2012-12 EN 60811-402:2012 IEC 60811-402:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 402: Miscellaneous tests - Water absorption tests	A
	DIN EN 60811-403 (VDE 0473-811-403):2012-12 EN 60811-403:2012 IEC 60811-403:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 403: Miscellaneous tests - Ozone resistance test on cross-linked compounds	A
	DIN EN 60811-404 (VDE 0473-811-404):2012-12 EN 60811-404:2012 IEC 60811-404:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 404: Miscellaneous tests - Mineral oil immersion tests for sheaths	A
	DIN EN 60811-405 (VDE 0473-811-405):2012-12 EN 60811-405:2012 IEC 60811-405:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 405: Miscellaneous tests - Thermal stability test for PVC insulations and PVC sheaths	A
	DIN EN 60811-406 (VDE 0473-811-406):2012-12 EN 60811-406:2012 IEC 60811-406:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 406: Miscellaneous tests - Resistance to stress cracking of polyethylene and polypropylene compounds	A
	DIN EN 60811-407 (VDE 0473-811-407):2012-12 EN 60811-407:2012 IEC 60811-407:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 407: Miscellaneous tests - Measurement of mass increase of polyethylene and polypropylene compounds	A

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	DIN EN 60811-408 (VDE 0473-811-408):2012-12 EN 60811-408:2012 IEC 60811-408:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 408: Miscellaneous tests - Long-term stability test of polyethylene and polypropylene compounds	A
	DIN EN 60811-409 (VDE 0473-811-409):2012-12 EN 60811-409:2012 IEC 60811-409:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 409: Miscellaneous tests - Loss of mass test for thermoplastic insulations and sheaths	A
	DIN EN 60811-410 (VDE 0473-811-410):2018-05 EN 60811-410:2012 IEC 60811-410:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 410: Miscellaneous tests - Test method for copper-catalyzed oxidative degradation of poly-olefin insulated conductors	A
	DIN EN 60811-411 (VDE 0473-811-411):2012-12 EN 60811-411:2012 IEC 60811-411:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 411: Miscellaneous tests - Low-temperature brittleness of filling compounds	A
	DIN EN 60811-412 (VDE 0473-811-412):2012-12 EN 60811-412:2012 IEC 60811-412:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 412: Miscellaneous tests - Thermal ageing methods – Ageing in an air bomb	A
	DIN EN 60811-501 (VDE 0473-811-501):2012-12 EN 60811-501:2012 IEC 60811-501:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds	A

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	DIN EN 60811-502 (VDE 0473-811-502):2012-12 EN 60811-502:2012 IEC 60811-502:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 502: Mechanical tests - Shrinkage test for insulations	A
	DIN EN 60811-503 (VDE 0473-811-503):2012-12 EN 60811-503:2012 IEC 60811-503:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths	A
	DIN EN 60811-504 (VDE 0473-811-504):2012-12 EN 60811-504:2012 IEC 60811-504:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 504: Mechanical tests - Bending tests at low temperature for insulation and sheaths	A
	DIN EN 60811-505 (VDE 0473-811-505):2012-12 EN 60811-505:2012 IEC 60811-505:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 505: Mechanical tests - Elongation at low temperature for insulations and sheaths	A
	DIN EN 60811-506 (VDE 0473-811-506):2012-12 EN 60811-506:2012 IEC 60811-506:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 506: Mechanical tests - Impact test at low temperature for insulations and sheaths	A
	DIN EN 60811-507 (VDE 0473-811-507):2012-12 EN 60811-507:2012 IEC 60811-507:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 507: Mechanical tests - Hot set test for cross-linked materials	A
	DIN EN 60811-508 (VDE 0473-811-508):2018-05 EN 60811-508:2012 IEC 60811-508:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 508: Mechanical tests - Pressure test at high temperature for insulation and sheaths	A

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	DIN EN 60811-509 (VDE 0473-811-509):2018-05 EN 60811-509:2012 IEC 60811-509:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 509: Mechanical tests - Test for resistance of insulations and sheaths to cracking (heat shock test)	A
	DIN EN 60811-510 (VDE 0473-811-510):2012-12 EN 60811-510:2012 IEC 60811-510:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 510: Mechanical tests - Methods specific to polyethylene and polypropylene compounds - Wrapping test after thermal ageing in air	A
	DIN EN 60811-511 (VDE 0473-811-511):2012-12 EN 60811-511:2012 IEC 60811-511:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene compounds	A
	DIN EN 60811-511 (VDE 0473-811-511):2018-05 EN 60811-511:2012 IEC 60811-511:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene compounds	A
	DIN EN 60811-512 (VDE 0473-811-512):2012-12 EN 60811-512:2012 IEC 60811-512:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene compounds	A

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	DIN EN 60811-513 (VDE 0473-811-513):2012-12 EN 60811-513:2012 IEC 60811-513:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 511: Mechanical tests - Measurement of the melt flow index of polyethylene compounds	A
	DIN EN 60811-601 (VDE 0473-811-601):2012-12 EN 60811-601:2012 IEC 60811-601:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 601: Physical tests - Measurement of the drop point of filling compounds	A
	DIN EN 60811-602 (VDE 0473-811-602):2012-12 EN 60811-602:2012 IEC 60811-602:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 602: Physical tests - Separation of oil in filling compounds	A
	DIN EN 60811-603 (VDE 0473-811-603):2012-12 EN 60811-603:2012 IEC 60811-603:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 603: Physical tests - Measurement of total acid number of filling compounds	A
	DIN EN 60811-604 (VDE 0473-811-604):2012-12 EN 60811-604:2012 IEC 60811-604:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 604: Physical tests - Measurement of absence of corrosive components in filling compounds	A
	DIN EN 60811-605 (VDE 0473-811-605):2012-12 EN 60811-605:2012 IEC 60811-605:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 605: Physical tests - Measurement of carbon black and/or mineral filler in polyethylene compounds	A

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	DIN EN 60811-606 (VDE 0473-811-606):2012-12 EN 60811-606:2012 IEC 60811-606:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 606: Physical tests - Methods for determining the density	A
	DIN EN 60811-607 (VDE 0473-811-607):2012-12 EN 60811-607:2012 IEC 60811-607:2012	Electric and optical fibre cables - Test methods for non-metallic materials - Part 607: Physical tests - Test for the assessment of carbon black dispersion in polyethylene and polypropylene	A
	DIN EN 60230 (VDE 0481-230):2018-10 EN 60230:2018 IEC 60230:2018	Impulse tests on cables and their accessories	A
	DIN EN 50395 (VDE 0481-395):2006-07 mit A1:2012-03 EN 50395:2005 mit A1:2011	Electrical test methods for low voltage energy cables;	A
	DIN EN 60885-2 (VDE 0481-885-2):2004-11 EN 60885-2:2003 IEC 60885-2:1987	Electrical test methods for electric cables - Part 2: Partial discharge tests	A
	DIN EN 60885-3 (VDE 0481-885-3):2015-11 EN 60885-3:2015 IEC 60885-3:2015	Electrical test methods for electric cables - Part 3: Test methods for partial discharge measurements on lengths of extruded power cables	A
	DIN EN 60229 (VDE 0473-229):2009-04 EN 60229:2008 IEC 60229:2007	Electric cables - Tests on extruded over-sheaths with a special protective function	A
	DIN EN 50396 (VDE 0473-396)2006-07 mit A1:2012-03 EN 50396:2005 mit A1:2011	Non-electrical test methods for low voltage energy cables;	A

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Department	Standard/Procedure/ Version	Title of Standard or Procedure	Location
	DIN EN 50414 (VDE 0473-414):2007-03 EN 50414:2006	Test methods for analysis of lead in PVC taken from insulation and sheath of electric and optical fibre cables - Method A: Total lead content determination with flame excitation atomic absorption spectrometry - Method B: Qualitative analysis of lead by lead sulphide staining; German version EN 50414:2006	A
	DIN EN 50497 (VDE 0473-497):2008-11 EN 50497:2007	Recommended test method for assessment of the risk of plasticizer exudation from PVC insulated and sheathed cables;	A
	DIN EN 60228 (VDE 0295):2005-09 EN 60228:2005 + Cor.:2005 IEC 60228	Conductors of insulated cables	A
	DIN EN ISO 4589-2:2017-06 EN ISO 4589-2:1999 + A1:2006 ISO 4589-2:1996 + Amd. 1:2005	Plastics - Determination of burning behaviour by oxygen index - Part 2: Ambient temperature test (ISO 4589-2:2017); German version EN ISO 4589-2:2017	A
	DIN EN ISO 4589-3:2017 EN ISO 4589-3:1996 ISO 4589-3:1996	Plastics - Determination of burning behaviour by oxygen index - Part 3: Elevated-temperature test (ISO 4589-3:2017); German version EN ISO 4589-3:2017	A
	DIN EN ISO 1133-1:2012-03 EN ISO 1133-1:2011 ISO 1133-1:2011	Plastics - Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics - Part 1: Standard method	A

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	DIN EN ISO 1133-2:2012-03 EN ISO 1133-2:2011 ISO 1133-2:2011	Plastics - Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics - Part 2: Method for materials sensitive to time-temperature history and/ or moisture	A
	DIN EN ISO 11357-6:2018 EN ISO 11357-6:2013 ISO 11357-6:2008	Plastics - Differential scanning calorimetry (DSC) - Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT)	A
	DIN EN ISO 1183-1:2019 EN ISO 1183-1:2012 ISO 1183-1:2012	Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pycnometer method and titration method	A
	DIN EN ISO 1183-2:2019 EN ISO 1183-2:2004 ISO 1183-1:2004	Plastics - Methods for determining the density of non-cellular plastics - Part 2: Density gradient column method	A
	DIN EN ISO 1183-3:2000-054 EN ISO 1183-3:1999 ISO 1183-3:1999	Plastics - Methods for determining the density of non-cellular plastics - Part 3: Gas pycnometer method	A
	DIN EN ISO 868:2003-10 EN ISO 868:2003 ISO 868:2003	Plastics and ebonite - Determination of indentation hardness by means of a durometer (Shore hardness)	A
	Defence standard NES 713 Issue 3:2012-02	Determination of The Toxicity Index of The Products of Combustion From - Small Specimens Of Materials	A

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	DIN EN 60243-3 (VDE 0303-23):2014-08 EN 60243-2:2014 IEC 60243-2:2013	Electric strength of insulating materials - Test methods - Part 3: Additional requirements for 1,2/50 µs impulse tests	A
	DIN EN 60243-2 (VDE 0303-22):2014-09 EN 60243-3:2014 IEC 60243-3:2013	Electric strength of insulating materials - Test methods - Part 2: Additional requirements for tests using direct voltage	A
	DIN EN 60243-1 (VDE 0303-21):2014-01 EN 60243-1:2013 IEC 60243-1:2013	Electric strength of insulating materials - Test methods - Part 1: Tests at power frequencies	A
5 Acoustics			
	DIN EN 60335-2-77 (VDE 0700-77):2011-09	Safety of household and similar appliances - Part 2-77: Particular requirements for pedestrian-controlled walk-behind electrically powered lawn mowers; (IEC 60335-2-77:2002, modified); German version EN 60335-2-77:2010	A
	DIN EN 60335-2-91 (VDE 0700-91):2004	Household and similar electrical appliances - Safety - Part 2-91: Particular requirements for walk-behind and hand-held lawn trimmers and lawn edge trimmers; (IEC 60335-2-91:2002, modified); German version EN 60335-2-91:2003	A
	DIN EN 786:2012-01	Garden equipment - Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers - Mechanical safety; German version EN 786:1996 + A2:2009	A

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	DIN EN 50636-2-92 (VDE 0700-92):2014-11	Household and similar electrical appliances - Safety - Part 2-92: Particular requirements for pedestrian-controlled mains-operated lawn scarifiers and aerators; German version EN 50636-2-92:2014	A
	DIN EN 50434 (VDE 0700-93):2015-03	Safety of household and similar appliances - Particular requirements for mains operated shredders and chippers; German version EN 50434:2014	A
	DIN EN 13683:2013-08	Garden equipment - Integrally powered shredders/chippers – Safety; German version EN 13683:2003 + A2:2011 + AC:2013	A
	DIN EN 50636-2-100 (VDE 0700-100):2014-11	Household and similar electrical appliances - Safety - Part 2-100: Particular requirements for hand-held mains-operated garden blowers, vacuums and blower vacuums; German version EN 50636-2-100:2014	A
	DIN EN 15503:2014-01	Garden equipment - Garden blowers, vacuums and blower/vacuums – Safety; German version EN 15503:2009+A1:2013	A
	IEC 60335-2-107:2012	Household and similar electrical appliances - Safety Part 2-107: Particular requirements for robotic lawnmowers	A

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	DIN EN 50636-2-107 (VDE 0700-107:2016)	Safety of household and similar appliances - Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers (IEC 60335-2-107:2012, modified); German version EN 50 636-2-107:2015	A
	DIN EN 60704-1:2010-12	Household and similar electrical appliances - Test code for the determination of airborne noise - Part 1: General requirements; (IEC 60704-1:2010); German version EN 60704-1:2010	A
	DIN EN 60704-3:2006-10	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 3: Procedure for determining and verifying declared emission values; (IEC 60704-3:2006); German version EN 60704-3:2006	A
	DIN EN 60704-2-1:2015-07	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-1: Particular requirements for vacuum cleaners; (IEC 60704-2-1:2014); German version EN 60704-2-1:2015	A
	DIN EN 60704-2-2:2011	Household and similar appliances - Test code for the determination of airborne acoustical noise - Part 2-2: Particular requirements for fan heaters; (IEC 60704-2-2:2009); German version EN 60704-2-2:2010	A

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	DIN EN 60704-2-3:2006-02	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-3: Particular requirements for dishwashers (IEC 60704-2-3:2001 + A1:2005); German version EN 60704-2-3:2002 + A1:2005	A
	DIN EN 60704-2-3:2011-03 (Draft)	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-3: Particular requirements for dishwashers (IEC 59A/151/CD:2011)	A
	DIN EN 60704-2-4:2013-04	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-4: Particular requirements for washing machines and spin extractors; (IEC 60704-2-4:2011, modified); German version EN 60704-2-4:2012	A
	DIN EN 60704-2-5:2006	Elektrische Geräte für den Hausgebrauch und ähnliche Zwecke - Prüfvorschrift für die Bestimmung der Luftschallemission - Teil 2-5: Besondere Anforderungen an Speicherheizgeräte (IEC 60704-2-5:2005); Deutsche Fassung EN 60704-2-5:2005	A

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	DIN EN 60704-2-5:2015	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-5: Particular requirements for electric thermal storage room heaters; (IEC 60704-2-5:2005); German version EN 60704-2-5:2005	A
	DIN EN 60704-2-6:2013-04	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-6: Particular requirements for tumble dryers; (IEC 60704-2-6:2012); German version EN 60704-2-6:2012	A
	DIN EN 60704-2-7:2000-08	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2: Particular requirements for fans; (IEC 60704-2-7:1997); German version EN 60704-2-7:1998	A
	DIN EN 60704-2-8:1998-03	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2: Particular requirements for electric shavers; (IEC 60704-2-8:1997); German version EN 60704-2-8:1997	A
	DIN EN 60704-2-9:2004-02	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-9: Particular requirements for electric hair care appliances; (IEC 60704-2-9:2003); German version EN 60704-2-9:2003	A

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	DIN EN 60704-2-10:2012-08	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-10: Particular requirements for electric cooking ranges, ovens, grills, microwave ovens and any combination of these; (IEC 60704-2-10:2011); German version EN 60704-2-10:2011	A
	DIN EN 60704-2-11:2000	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-11: Particular requirements for electrically operated food preparation appliances; (IEC 60704-2-11:1998); German version EN 60704-2-11:1999	A
	DIN EN 60704-2-13:2011-12	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods; (IEC 60704-2-13:2011); German version EN 60704-2-13:2011	A
	DIN EN 60704-2-13:2018	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-13: Particular requirements for range hoods; (IEC 60704-2-13:2016); German version EN 60704-2-13:2017	A

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	DIN EN 60704-2-14:2014	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers (IEC 60704-2-14:2013); German version EN 60704-2-14:2013	A
	DIN EN 60704-2-14:2015	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers (IEC 60704-2-14:2013); German version EN 60704-2-14:2013 + A11:2015	A
	DIN EN 60745-1 (VDE 0740-1):2010	Hand-held motor-operated electric tools - Safety - Part 1: General requirements; (IEC 60745-1:2006, modified); German version EN 60745-1:2009 + Corrigendum:2010-04 + A11:2011-09	A
	IEC 62841-1:2014	Electric motor-operated hand-held, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements + Corrigendum:2014-05	A

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	DIN EN 60745-2-1 (VDE 0740-2-1):2011-01	Hand-held motor-operated electric tools - Safety - Part 2-1: Particular requirements for drills and impact drills; (IEC 60745-2-1:2003, modified + A1:2008); German version EN 60745-2-1:2010	A
	DIN EN 62841-2-2 (VDE 0740-2-2):2015-05	Hand-held motor-operated electric tools - Safety - Part 2-2: Particular requirements for screwdrivers and impact wrenches; (IEC 62841-2-2:2014, modified); German version EN 62841-2-2:2014	A
	DIN EN 60745-2-3 (VDE 0740-2-3):2015-04	Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders; (IEC 60745-2-3:2006, modified + A1:2010, modified + A1:2010/Corrigendum Feb. 2011 + A2:2012, modified); German version EN 60745-2-3:2011 + A2:2013 + A11:2014 + A12:2014	A
	DIN EN 62841-2-4 (VDE 0740-2-4):2015-05	Hand-held motor-operated electric tools - Safety - Part 2-4: Particular requirements for sanders and polishers other than disk type; (IEC 62841-2-4:2014, modified); German version EN 62841-2-4:2014	A

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	DIN EN 62841-2-5 (VDE 0740-2-5):2015-05	Hand-held motor-operated electric tools - Safety - Part 2-5: Particular requirements for circular saws; (IEC 62841-2-5:2014, modified); German version EN 62841-2-5:2014	A
	DIN EN 60745-2-6 (VDE 0740-2-6):2011-01	Hand-held motor-operated electric tools - Safety - Part 2-6: Particular requirements for hammers; (IEC 60745-2-6:2003, modified + A1:2006 + A2:2008); German version EN 60745-2-6:2010	A
	IEC 60745-2-7:1989	Safety of hand-held motor-operated electric tools; part 2: Particular requirements for spray guns for non-flammable liquids	A
	DIN EN 50580 (VDE 0740-2-7):2014-06	Safety of hand-held motor-operated electric tools; Part 2: Particular requirements for spray guns for non-flammable liquids; German version EN 50580:2012 + A1:2013	A
	DIN EN 60745-2-8 (VDE 0740-2-8):2010-02	Hand-held motor-operated electric tools - Safety - Part 2-8: Particular requirements for shears and nibblers; (IEC 60745-2-8:2003, modified + A1:2008); German version EN 60745-2-8:2009	A

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	DIN EN 60745-2-9 (VDE 0740-2-9):2010-07	Hand-held motor-operated electric tools - Safety - Part 2-9: Particular requirements for tappers; (IEC 60745-2-9:2003, modified + A1:2008); German version EN 60745-2-9:2009	A
	DIN EN 60745-2-11 (VDE 0740-2-11):2011-01	Hand-held motor-operated electric tools - Safety - Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws); (IEC 60745-2-11:2003, modified + A1:2008); German version EN 60745-2-11:2010	A
	DIN EN 60745-2-12 (VDE 0740-2-12):2009-11	Hand-held motor-operated electric tools – Safety - Part 2-12: Particular requirements for concrete vibrators; (IEC 60745-2-12:2003 + A1:2008, modified); German version EN 60745-2-12:2009	A
	DIN EN 60745-2-13 (VDE 0740-2-13):2011-07	Hand-held motor-operated electric tools - Safety - Part 2-13: Particular requirements for chain saws; (IEC 60745-2-13:2006, modified + A1:2009); German version EN 60745-2-13:2009 + A1:2010	A
	DIN EN 60745-2-14 (VDE 0740-2-14):2011-01	Hand-held motor-operated electric tools - Safety - Part 2-14: Particular requirements for planers; (IEC 60745-2-14:2003 + A1:2006, modified + A2:2010); German version EN 60745-2-14:2009 + A2:2010	A

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	DIN EN 60745-2-15 (VDE 0740-2-15):2010-09	Hand-held motor-operated electric tools - Safety - Part 2-15: Particular requirements for hedge trimmers; (IEC 60745-2-15:2006, modified + A1:2009); German version EN 60745-2-15:2009 + A1:2010	A
	ISO 10517:2009 EN ISO 10517:2009 DIN EN ISO 10517:2014	Powered hand-held hedge trimmers – Safety; (ISO 10517:2009 + AMD 1:2013); German version EN ISO 10517:2009 + A1:2013	A
	DIN EN 60745-2-17 (VDE 0740-2-17):2011-06	Hand-held motor-operated electric tools - Safety - Part 2-17: Particular requirements for routers and trimmers (IEC 60745-2-17:2010, modified); German version EN 60745-2-17:2010	A
	DIN EN 60745-2-18 (VDE 0740-2-18):2010-07	Hand-held motor-operated electric tools - Safety - Part 2-18: Particular requirements for strapping tools; (IEC 60745-2-18:2003, modified + A1:2008); German version EN 60745-2-18:2009	A
	DIN EN 60745-2-19 (VDE 0740-2-19):2011-01	Hand-held motor-operated electric tools - Safety - Part 2-19: Particular requirements for jointers (IEC 60745-2-19:2005, modified + A1:2010); German version EN 60745-2-19:2009 + A1:2010	A

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	DIN EN 60745-2-20 (VDE 0740-2-20):2010-02	Hand-held motor-operated electric tools - Safety - Part 2-20: Particular requirements for band saws (IEC 60745-2-20:2003, modified + A1:2008); German version EN 60745-2-20:2009	A
	DIN EN 60745-2-21 (VDE 0740-2-21):2011-12	Hand-held motor-operated electric tools - Safety - Part 2-21: Particular requirements for drain cleaners; (IEC 60745-2-21:2002, modified + A1:2008); German version EN 60745-2-21:2009 + A1:2010	A
	DIN EN 60745-2-22 (VDE 0740-2-22):2013-12	Hand-held motor-operated electric tools - Safety - Part 2-22: Particular requirements for cut-off machines; (IEC 60745-2-22:2011, modified); German version EN 60745-2-22:2011 + A11:2013	A
	DIN EN 61029-1 (VDE 0740-500):2010-01	Safety of transportable motor-operated electric tools - Part 1: General requirements; (IEC 61029-1:1990, modified); German version EN 61029-1:2009	A
	DIN EN 61029-2-1 (VDE 0740-501):2013-07	Safety of transportable motor-operated electric tools - Part 2-1: Particular requirements for circular saw benches (IEC 61029-2-1:1993, modified + A1:1999 + A2:2001); German version EN 61029-2-1:2012	A

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	DIN EN 62841-3-1 (VDE 0740-3-1):2015-05	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-1: Particular requirements for transportable table saws; (IEC 62841-3-1:2014, modified); German version EN 62841-3-1:2014	A
	DIN EN 61029-2-3 (VDE 0740-503):2012-01	Safety of transportable motor-operated electric tools - Part 2-3: Particular requirements for planers and thicknessers; (IEC 61029-2-3:1993, modified + A1:2001); German version EN 61029-2-3:2011	A
	DIN EN 61029-2-4 (VDE 0740-504):2011-12	Safety of transportable motor-operated electric tools - Part 2-4: Particular requirements for bench grinders; (IEC 61029-2-4:1993, modified + A1:2001, modified); German version EN 61029-2-4:2011	A
	DIN EN 61029-2-5 (VDE 0740-505):2012-10	Safety of transportable motor-operated electric tools - Part 2-5: Particular requirements for band saws; (IEC 61029-2-5:1993, modified + A1:2001, modified); German version EN 61029-2-5:2011	A
	DIN EN 62841-3-6 (VDE 0740-3-6):2015-05	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-6: Particular requirements for transportable diamond drills with liquid system; (IEC 62841-3-6:2014, modified); German version EN 62841-3-6:2014	A

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	IEC 61029-2-7:1993	Safety of transportable motor-operated electric tools - Part 2: Particular requirements for diamond saws with water supply	A
	DIN EN 61029-2-8 (VDE 0740-508):2010	Safety of transportable motor-operated electric tools - Part 2-8: Particular requirements for single spindle vertical moulders; (IEC 61029-2-8:1995, modified + A1:1999 + A2:2001); German version EN 61029-2-8:2010	A
	DIN EN 61029-2-9 (VDE 0740-509):2014-05	Safety of transportable motor-operated electric tools - Part 2-9: Particular requirements for mitre saws; (IEC 61029-2-9:1995, modified); German version EN 61029-2-9:2012 + A11:2013	A
	IEC 62841-3-9:2014 DIN EN 62841-3-9:2016 VDE 0740-3-9:2016	Electric motor-operated handheld tools, transportable tools and lawn and garden machinery Safety Part 3-9: Particular requirements for transportable mitre saws	A

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	DIN EN 61029-2-10 (VDE 0740-510):2014-06	Safety of transportable motor-operated electric tools - Part 2-10: Particular requirements for cutting-off grinders; (IEC 61029-2-10:1998, modified); German version EN 61029-2-10:2010 + A11:2013	A
	IEC 62841-3-10:2018 EN 62841-3-10:2018-08	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 3-10: Particular requirements for transportable cut-off machines	A
	DIN EN 61029-2-11 (VDE 0740-511):2014-07	Safety of transportable motor-operated electric tools - Part 2-11: Particular requirements for combined mitre and bench saws; (IEC 61029-2-11:2001, modified); German version EN 61029-2-11:2012 + A11:2013	A
	DIN EN 61029-2-12 (VDE 0740-512):2011-12	Safety of transportable motor-operated electric tools - Part 2-12: Particular requirements for threading machines; (IEC 61029-2-12:2010, modified); German version EN 61029-2-12:2011	A
	DIN EN 60076-10 (VDE 0532-76-10):2002-04	Power transformers - Part 10: Determination of sound levels; (IEC 60076-10:2001); German version EN 60076-10:2001	A

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	DIN EN ISO 3744:2011-02	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; (ISO 3744:2010); German version EN ISO 3744:2010	A
	DIN EN ISO 3745:2012	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms; (ISO/DIS 3745:2010); German version prEN ISO 3745:2010	A
	DIN EN ISO 3745:2017	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms; (ISO 3745:2012 + Amd. 1:2017); German version EN ISO 3745:2012 + A1:2017	A
	DIN EN ISO 3746:2011-03	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane; (ISO 3746:2010); German version EN ISO 3746:2010	A

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	DIN EN 12102:2013-10	Air conditioners, liquid chilling packages, heat pumps and dehumidifiers with electrically driven compressors for space heating and cooling – Measurement of airborne noise – Determination of the sound power level; German version EN 12102:2013	A
	DIN EN 12102-1:2018	Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors - Determination of the sound power level - Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers;	A
	DIN EN ISO 7779:2011	Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment; (ISO 7779:2010); German version EN ISO 7779:2010	A
	ISO 9296:1988-04	Acoustics; declared noise emission values of computer and business equipment	A
	DIN EN ISO 9614-1:2009-11	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 1: Measurement at discrete points; (ISO 9614-1:1993); German version EN ISO 9614-1:2009	A

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Department	Standard/Procedure/Version	Title of Standard or Procedure	Location
	DIN EN ISO 9614-2:1996-2	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 2: Measurement by scanning; (ISO 9614-2:1996); German version EN ISO 9614-2:1996	A
	DIN EN ISO 9614-3:2009-11	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 3: Precision method for measurement by scanning; (ISO 9614-3:2002); German version EN ISO 9614-3:2009	A
	ISO 11094:1991-11	Acoustics - Test code for the measurement of airborne noise emitted by power lawn mowers, lawn tractors, lawn and garden tractors, professional mowers, and lawn and garden tractors with mowing attachments	A
	DIN EN ISO 22868:2011-06	Forestry and garden machinery - Noise test code for portable hand-held machines with internal combustion engine; (ISO 22868:2011); German version EN ISO 22868:2011	A
	DIN EN ISO 22867:2012-04	Forestry and gardening machinery – Vibration test code for portable hand-held machines with internal combustion engine – Vibration at the handles; (ISO 22867:2011); German version EN ISO 22867:2011	A
	DIN EN ISO 10517:2014-03	Powered hand-held hedge trimmers – Safety; (ISO 10517:2009 + AMD 1:2013); German version EN ISO 10517:2009 + A1:2013	A

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Department	Standard/Procedure/ Version	Title of Standard or Procedure	Location
	DIN EN 15503:2014-01	Garden equipment - Garden blowers, vacuums and blowers/vacuums – Safety; German version EN 15503:2009+A1:2013	A
	DIN EN 15503:2016	Garden equipment - Garden blowers, vacuums and blowers/vacuums – Safety;	A
	DIN EN 13683:2013-08	Garden equipment - Integrally powered shredders/chippers – Safety; German version EN 13683:2003+A2:2011 + AC:2013	A
	DIN EN 786:2012-01	Garden equipment - Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers - Mechanical safety; German version EN 786:1996 + A2:2009	A
	DIN EN ISO 11201:2010-10	Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a workstation and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections; (ISO 11201:2010); German version EN ISO 11201:2010	A
	DIN EN ISO 11203:2010-01	Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a workstation and at other specified positions from the sound power level; (ISO 11203:1995); German version EN ISO 11203:2009	A

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Department	Standard/Procedure/ Version	Title of Standard or Procedure	Location
	DIN EN ISO 5349-1:2001-12	Mechanical vibration - Measurement and evaluation of human exposure to hand-transmitted vibration - Part 1: General requirements; (ISO 5349-1:2001); German version EN ISO 5349-1:2001	A
	DIN EN ISO 5349-2:2001-12	Mechanical vibrations - Measurement and evaluation of human exposure to hand-transmitted vibration - Part 2: Practical guidance for measurement at the workplace; (ISO 5349-2:2001); German version EN ISO 5349-2:2001 + A1:2013-05	A
	DIN EN 50332-1:2014-08	Sound system equipment: Headphones and earphones associated with personal music players - Maximum sound pressure level measurement methodology - Part 1: General method for "one package equipment"; German version EN 50332-1:2013	A
	DIN EN 50332-2:2014-08	Sound system equipment: Headphones and earphones associated with personal music players - Maximum sound pressure level measurement methodology - Part 2: Matching of sets with headphones if either or both are offered separately, or are offered as one package equipment but with standardized connectors between the two allowing to combine components of different manufacturers or different design; German version EN 50332-2:2013	A

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Department	Standard/Procedure/ Version	Title of Standard or Procedure	Location
	DIN EN 50332-3:2018-04	Sound system equipment: headphones and earphones associated with personal music players - maximum sound pressure level measurement methodology - Part 3: measurement method for sound dose management; German version EN 50332-3:2017	A
	DIN EN 50416:2016-09	Household and similar electrical appliances - Safety - Particular requirements for commercial electric conveyor dishwashing machines; German version EN 50416:2005 + A1:2015	A
	DIN EN 50470:2019-08	Electricity metering equipment (a.c.) - Part 1: General requirements, tests and test conditions - Metering equipment (class indexes A, B and C); German version EN 50470-1:2006 + A1:2018	A
	DIN EN 50571:2018-10	Household and similar electrical appliances - Safety - Particular requirements for commercial electric washing machines; German version EN 50571:2013 + A1:2018	A
	DIN EN 60704-2-16:2020-05	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-16: Particular requirements for washer-dryers (IEC 60704-2-16:2019); German version EN IEC 60704-2-16:2019	A

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**6 Testing of functional safety of products
(Household appliances, consumer products), laboratory equipment and machines, components
(assembly, safety components, elements), subsystems, systems and units**

Only at the location Merianstraße 28, 63069 Offenbach

The following procedures are applicable for functional safety testing of conform objects, components, devices and systems:

Procedere	Description	Restriction
TL43 0203:2018-11-21	Functional safety according to ISO EN 13849, IEC 62061, ISO 25119, IEC 61800-5-2, IEC 61508	
TL43 0204:2018-12-19	Functional safety – Safety of electrical appliances for household use and similar purposes - Automatic electric controls	
TL43 0205:2018-12-19	Functional safety – Safety of converters	
TL43 0206:2018-12-19	Functional safety – Stationary energy storage systems with lithium batteries	
TL43 0207:2018-12-19	Functional safety – Safety requirements for electric measuring, controlling and laboratory equipment	
TL43 0208:2018-12-19	Functional safety – Charging cables with integrated controls and protective devices for charging type 2 of electric road vehicles	
TL43 0209:2018-12-19	Functional safety – Electric motor-operated tools, transportable tools and lawn and garden machines	

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The tests are based on the following basic standards for functional safety, safety standards for machines (harmonised standards), generic standards and product standards:

Department	Standard/Procedere/Version	Title of Standard or Procedure (if applicable, indicate deviations / modifications)	Test scope
	DIN EN 61508-1:2011-02 VDE 0803-1:2011-02 IEC 61508-1:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 1: General requirements; German version EN 61508-1:2010	Components, subsystems and units
	DIN EN 61508-2:2011-02 VDE 0803-2:2011-02 IEC 61508-2:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems; German version EN 61508-2:2010	
	DIN EN 61508-3:2011-02 VDE 0803-3:2011-02 IEC 61508-3:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: Software requirements; German version EN 61508-3:2010	Components, subsystems and units
	DIN EN 62061:2016-05 VDE 0113-50:2016-05 IEC 62061:2005 + A1:2012 + A2:2015	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems; German version EN 62061:2005 + Cor.:2010 + A1:2013 + A2:2015	Components, subsystems and units
	DIN EN ISO 13849-1:2020-08	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design; German version EN ISO 13849-1:2015	
	DIN EN ISO 13849-2:2013-02	Safety of machinery - Safety-related parts of control systems - Part 2: Validation; German version EN ISO 13849-2:2012	Components, subsystems and units

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Department	Standard/Procedere/Version	Title of Standard or Procedure (if applicable, indicate deviations / modifications)	Test scope
	DIN EN ISO 25119-1:2018-11	Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 1: General principles for design and development (ISO/FDIS 25119-1:2018); German and English version FprEN ISO 25119-1:2018	Components, subsystems and units
	DIN EN ISO 25119-2:2018-11	Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 2: Concept phase	
	DIN EN ISO 25119-3:2018-11	Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 3: Series development, hardware and software	Components, subsystems and units
	DIN EN ISO 25119-4:2018-11	Tractors and machinery for agriculture and forestry - Safety-related parts of control systems - Part 4: Production, operation, modification and supporting processes	Components, subsystems and units
	DIN EN 61800-5-2:2017-11 VDE 0160-105-2:2017-11 IEC 61800-5-2:2016	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional; German version EN 61800-5-2:2017	Components, subsystems and units

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The abovementioned testing procedures are used for the following components, appliances and equipment:

- Electrical household appliances
- Electrically operated cleaning machines and systems
- Luminaires and systems
- Information technology equipment and communication technology
- Electrical tools, garden devices and motor-operated power units
- Electrical equipment for industry
- Electrical and electrically controlled heating appliances and systems
- Electrical pumps and pump systems
- Electrical measuring, controlling and laboratory equipment
- Converters
- Energy storage systems
- Industrial trucks
- Building machines
- Tractors and machines for agriculture and forestry
- Charging cables with integrated control and protective devices
- Switchgear and systems, protective devices
- Refrigerators and equipment
- Automated processing systems
- Battery management systems
- Charging equipment for E-Mobility

Basically the tests are oriented on the total security life cycle of the test items and is divided into the following phases:

- Concept
- Analysis
- Specification
- Safety architecture
- Design
- Integration of hardware und software
- Installation
- Validation
- Complete operation, complete maintenance and complete repair
- Modification, shutdown
- Production, operation
- User documentation

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Abberviations used:

CIE	International Commission on Illumination
CISPR	Comité international spécial des perturbations radioélectriques
DIN	Deutsches Institut für Normung e.V.
TL	Hausverfahren des Prüflabors
EMV	Elektromagnetische Verträglichkeit
EN	Europäische Norm
IEC	International Electrotechnical Commission
IES	Illuminating Engineering Society
ISO	Internationale Organisation für Standardisierung
SOP	Standard Operating Procedure