

# Deutsche Akkreditierungsstelle GmbH

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

**Valid from: 13.07.2020**

Date of issue: 13.07.2020

Holder of certificate:

**VDE Prüf- und Zertifizierungsinstitut GmbH**

At the following locations:

**Merianstraße 28, 63069 Offenbach**  
**Goethering 43, 63067 Offenbach**  
**Landsberger Allee 378a, 12681 Berlin**

Tests in the fields:

- **Measurement of sound power level according to Directive 2000/14/EG (Outdoor-Directive)**
- **Safety of machines as defined by Directive 2006/42/EG (Machinery Directive)**
- **Type testing covered by the authorization for granting the GS Mark according to the German Product Safety Act (ProdSG) for products listed in the annex**
- **Safety of electrical equipment and their components**
- **Electromagnetic Compatibility (EMC) and radio; energy efficiency**
- **Testing of construction products (system for evaluation and inspection of performance reliability 3) according to Regulation (EU) No. 305/2011 for determination of harmonised conditions for marketing of construction products (Constructional Products Regulation CPR)**
- **Testing of functional safety of products**

**The testing laboratory is allowed to use the following standardized test methods or equal test methods with different dates of issue without prior information to DAkkS.**

**The testing laboratory has a current list of all test methods used within the framework of a flexible accreditation scope.**

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.  
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

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**The test methods are marked with the following letters indicating the location where they are applied:**

A = 63069 Offenbach, Merianstraße 28

B = 63067 Offenbach, Goethering 43

C = 12681 Berlin, Landsberger Allee 378a

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**I. Directive 2000/14/EG (Outdoor Directive)  
(Only at location A: Offenbach, Merianstraße 28)**

**Determination of the sound power level according to**

- **Annex III**

for the following devices and machines according to article 12

- Compression machines (only vibration rolls and non-vibrating rolls, vibration plates and vibration rammers)
- Compressors (< 350 kW)
- Hand-held concrete breakers and dismantling, bush and clay diggers
- Hydraulic aggregates
- Lawn mowers (excluding agricultural and forestry devices as well as multifunctional devices having a main drive with an installed power of more than 20 kW)
- Lawn trimmer / Lawn edge trimmers
- Motor heels (< 3 kW)

**Determination of the sound power level for devices and machines according to Article 13**

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**II. Directive 2006/42/EG (machinery directive)**

**(Only at location A: Offenbach, Merianstraße 28)**

**(Nur am Standort A: 63069 Offenbach, Merianstraße 28)**

**Tests according to Article 12/Annex IX/Module B (EC Type test) for the following products:**

<b>Category No</b>	<b>Products/Machines covered by the scope of Directive 2006/42/EG</b>
K-1	The following types of single blade and multi blade circular saws for working on wood and material with similar physical characteristics or for working on meat and materials with similar physical characteristic:
K-1.1	Sawing machines with fixed sawing blade during the work process, with fixed worktable or work piece holder, with feeder of sawing piece, hand-held or by a detachable feeder apparatus
K-1.2	Sawing machines with a fixed sawing blade during the work process, with a manually used pendulum block slide
K-1.3	Sawing machines with a fixed sawing blade during the work process, with built-in mechanical feeder apparatus for the sawing material and manual feeding and/or manual removal
K-1.4	Sawing machines with a flexible sawing blade during the work process, with built-in mechanical feeder apparatus for the sawing blade and manual feeding and/or manual removal
K-3	Planing machines for one-way processing of wood, with built-in mechanical feeder apparatus and manual feeding and/or manual removal
K-4	The following types of band saws with manual feeding and/or manual removal for working on wood and material with similar physical characteristics or for meat and materials with similar physical characteristics
K-4.1	Sawing machines with a fixed sawing blade during the work process and fixed or flexible worktable or work piece holder
K-4.2	Sawing machine where the sawing blade is mounted on a movable slide
K-8	Hand-held chain saws for working with wood
K-19	Protective devices for detection of persons
K-21	Logic units for safety functions

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**III. Type testing covered by the authorization for granting the GS Mark according to the German Product Safety Act (ProdSG) for products listed as follows**

**(Only at location A: 63069 Offenbach, Merianstraße 28)**

- General electrical equipment
- Electrical equipment with heating
- Electrical equipment with radiation
- Gas, oil and solid fuel devices with electrical terminals
- Electrical products with contact to food
- Electrical products with contact to skin inclusively weighing machines
- Power supply units
- Power supply units for low-voltage with d. c. exit
- Power generators
- Uninterruptible power supply systems
- Power supply converters/Solar inverters
- Battery chargers
- Power distribution
- Audio, video and similar electronic products as well as accessories
- Information technology equipment with ergonomics for monitor equipment
- Electrical measuring and testing equipment
- Electrical controlgear
- Electrical laboratory equipment (even centrifuges)
- Electrical products for gardening
- Laser equipment
- Electrical products with pressure (even steam) excluding conformity assessments according to Directive 97/23/EG<sup>1</sup>
- General tools, non-energetically operated (even cleaning equipment)
- Tools for working with live parts
- Mounting parts for solar collectors and photovoltaic module respectively collectors/modules with mounting parts
- Energetically operated tools (solid material or liquid radiation devices too)
- Electrical products for gardening
- Industr robots, safety components, controls
- Devices for automobile maintenance, maintenance and and cleaning
- Humidification and dehumidification machines
- Deduster
- Cleaning machines
- Filter machines
- Mixer
- Sieving machines

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<sup>1</sup> Directive 97/23/EG of the European Parliament and the Council of 29 May 1997 for the harmonization of special law provisions of the member state about pressure devices.

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- Heating equipment
- Drying equipment
- Crushing machines for working with paper and boards
  - Sticking devices
  - Cutting devices
  - Drying devices
- Electrical equipment (high voltage)
- Devices/Machines for reworking and handling of agricultural products at the producer
  - Wood grinding machines
  - Garden, lawn and landscape preservation devices
  - Garden, lawn and landscape preservation machines
  - Plant protection and pest control
- Ovens and baking machines, commercial
- Devices/Machines for production, processing of bakery products and pasta and confectionery
- Butcher equipment/Machines
- Devices/Machines for meat processing
- Devices/Machines for vegetables and fruit processing
- Devices/Machines for beverage processing
- Electrical heating devices for canteen kitchens
- Electrical heating machines for canteen kitchens
- Working devices for canteen kitchens
- Working machines for canteen kitchens
- Devices/Machines for coffee processing
- Devices/Machines for milk processing and production of cooking fat and oils
- Cream and ice cream makers/machines
- Devices for confectionery manufacture
- Commercial dishwashers
- Grinding machines, hand-held
- Grinding machines, transportable
- Electric welding devices
- Soldering devices
- Soldering machines
- Mixing equipment and mixers used in stone and mineral branch
- Stone working and processing machines
- Laundry machines
- Road construction devices/machines
- Sawing machines with fixed sawing blade during the work process, with fixed work table or work piece holder, with feeder of sawing piece, hand-held or by a detachable feeder apparatus
- Sawing machines with fixed saw log during the work process, with manually operated pendulum log or slide

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- Sawing machines with a fixed sawing blade during the work process, with built-in mechanical feeder apparatus for the sawing material and manual feeding and/or manual removal
- Sawing machines with flexible blade during the work process, with built-in mechanical feeder apparatus for the blade and manual feeding and/or manual removal
- Hand-held chain saws for working with wood

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**IV. Safety of electrical equipment and their components:**

**Lighting, Information Technology, Consumer Electronics, Photovoltaics, Industrial and Medical Technology, Lamps, Luminaires, Components for Luminaires**

**Lampholders**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 60238:2004 EN 60238:2004 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 60838-1:2016 DIN EN 60838-1 (VDE 0616-5):2017	Miscellaneous lampholders - Part 1: General requirements and tests	A
IEC 60838-2-2:2006 EN 60838-2-2:2006 DIN EN 60838-2-2 (VDE 0616-6):2012	Miscellaneous lampholders - Part 2-2: Particular requirements - Connectors for LED modules	A

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**Lamps**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60064:1993 EN 60064:1995 DIN EN 60064:2010	Tungsten filament lamps for domestic and similar general lighting purposes – Performance requirements	A
IEC 60357:2002 EN 60357:2003 DIN EN 60357:2001	Tungsten halogen lamps (non-vehicle) – Performance specifications	A
IEC 60432-1:1999 EN 60432-1:2000 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
IEC 60432-2:1999 EN 60432-2:2000 DIN EN 60432-2 (VDE 0715-2):2013	Incandescent lamps - Safety specifications - Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes	A
IEC 62031:2008 EN 62031:2000 DIN EN 62031 (VDE 0715-5):2015	LED modules for general lighting	A
IEC 62717:2014 EN 62717:2017 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 EN 61195:1999 DIN EN 61195 (VDE 0715-8):2015	Double capped fluorescent lamps	A
IEC 61199:2011 EN 61199:2011 DIN EN 61199 (VDE 0715-9):2015	Single Double capped fluorescent lamps	A
IEC 60901:1996 EN 60901:1996 DIN EN 60901:2012	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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 61549:2003 EN 61549:2003 DIN EN 61549 (VDE 0715-12):2013	Miscellaneous lamps	A
IEC 62560:2011 EN 62560:2012 DIN EN 62560 (VDE 0715-13):2016	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 EN 62532:2012 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
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

**Luminaires**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN 57710-13:1981 DIN VDE 0710-13:1981 VDE 0710-13 1981	Luminaires with operating voltages below 1000 V; luminaires safety to ball throwing	A
DIN 57710-14:1982 DIN VDE 0710-14:1982 VDE 0710-14:1982	Luminaires with operating voltages below 1000 V; luminaires 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 60598-1:2015 EN 60598-1:2016 DIN EN 60598-1:2018	Luminaires - Part 1: General requirements and tests	A
IEC 60598-2-1:1979 EN 60598-2-1:1979 DIN VDE 0711-201:1991	Luminaires - Part 2-1: particular requirements, section one: fixed general purpose luminaires	A

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IEC 60598-2-2:2011 EN 60598-2-2:2012 DIN EN 60598-2-2 (VDE 0711-2-2):2012	Luminaires - Part 2-2: Particular requirements - Recessed luminaires	A
IEC 60598-2-3:2002 EN 60598-2-3:2003 DIN EN 60598-2-3 (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 DIN EN 60598-2-4 (VDE 0711-2- 24):1998	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 EN 0711-206:1994 DIN EN 0711-6 (VDE 0711- 206):1995	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 EN 60598-2-9:1989 DIN VDE 0711-209:1992	Luminaires; part 2: particular requirements, section nine: photo and film luminaires	A
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

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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 EN 60598-2-13:2006 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 EN 60598-2-17:1989 DIN VDE 0711-2-17:1992	Luminaires - Part 2: Particular requirements. Section seventeen - Luminaires for stage lighting, television and film studios (outdoor and indoor)	A
IEC 60598-2-18:1993 EN 60598-2-18:1994 DIN EN 60598-2-18 (VDE 0711-2-18):2012	Luminaires - Part 2-18: Particular requirements - Luminaires for swimming pools and similar applications	A
IEC 60598-2-19:1981 EN 60598-2-19:1989 DIN VDE 0711-2-19:1992	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 EN 60598-2-23:1996 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

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IEC 60598-2-25:1994 EN 60598-2-25:1994 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
IEC 60570:2003 (VDE 0711-300):2003 EN 60570:2003 DIN EN 60570:2004	Electrical supply track systems for luminaires	A
IEC 62722-1:2014 DIN IEC 62722-1:2016	Luminaire performance - Part 1: General requirements	A
IEC 62722-2-1:2014 DIN EN 62722-2-1:2017	Luminaire performance - Part 1: General requirements	A

**Lamp controlgear**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 61347-1:2015 EN 61347-1:2015 DIN EN 61347-1 (VDE 0712-30):2016	Lamp controlgear - Part 1: General and safety requirements	A
IEC 61347-2-1:2000 EN 61347-2-1:2001 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 EN 60927:2007 DIN EN 60927 (VDE 0712-15):2014	Starting devices (others than glow starters) – Performance requirements	A
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 EN 61347-2-3:2011 DIN EN 61347-2-3 (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 EN 60929:2011 DIN EN 60929 (VDE 0712-23):2016	AC and/or DC-supplied electronic controlgear for tubular fluorescent lamps – Performance requirements	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 EN 61347-2-8:2001 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 EN 60921:2004 DIN EN 60921 (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
IEC 60923:2005 EN 60923:2005 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 EN 61347-2-10:2001 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 EN 61347-2-11:2001 DIN EN 61347-2-11 (VDE 0712-41):2002	Lamp controlgear - Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires	A
IEC 61347-2-12:2005 EN 61347-2-12:2005 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 EN 61347-2-13:2014 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 EN 62384:2006 DIN EN 62384 (VDE 0712-26):2010	DC or AC supplied electronic controlgear for LED modules - Performance requirements	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60155:1993 EN 60155:1995 DIN EN 60155 (VDE 0712-101):2007	Glow-starters for fluorescent lamps	A
IEC 61050:1991 EN 61050:1992 DIN EN 61050 (VDE 0713-6):1994	High reactance transformers	A

**Photometric measurements; Optics**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
CIE 13.3:1995	Method of Measuring and Specifying Colour Rendering Properties of Light Sources	A
CIE 15:2004	Colorimetry	A
CIE 18.2:1983	Basis of Physical Photometry	A
CIE 84:1989	Measurement of Luminous Flux	A
CIE 97:2005	Guide on the Maintenance of Indoor Electric Lighting Systems	A
CIE 121:1996	The photometry and goniophotometry of luminaires	A
IES LM-79-08:2008	Electrical and Photometric Measurements of Solid-State Lighting Products	A
DIN EN 13032-1:2012	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 1: Measurement and file format	A
DIN EN 13032-4:2015	Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 4: LED lamps, modules and luminaires	A
DIN EN 50285:1999	Energy efficiency of electric lamps for household use - Measurement methods	A
IEC 62471:2006 DIN EN 62471:2009 DIN EN 62471 (VDE 0837-471):2009	Photobiological safety of lamps and lamp systems	A
IEC/TR 62778:2014 DIN IEC/TR 62778:2014	Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires	A

**Accumulators, batteries, secondary cells**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 61951-1:2013 DIN EN 61951-1:2014 EN 61951-1:2014	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Portable sealed rechargeable single cells - Part 2: Nickel metal hydride	B

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 61959:2004 DIN EN 61959:2004 EN 61959:2004	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries	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	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	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	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	B
IEC 60086-1:2015	Primary batteries - Part 1: General	B
IEC 60086-2:2015	Primary batteries - Part 2: Physical and electrical specifications	B
IEC 60086-4:2007	Primary batteries - Part 4: Safety of lithium batteries	B
IEC 60086-4:2014 DIN EN 60086-4:2015 (VDE 0509-4)	Primary batteries - Part 4: Safety of lithium batteries	B

**Equipment for testing, measuring or monitoring of protective measures**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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 61557-8:2012 DIN EN 61557-8:2013 VDE 0413-8:2013	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 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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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**Safety of power transformers, power supplies, reactors**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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
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 61558-2-7:2007 DIN EN 61558-2-7:2008 VDE 0570-2-7:2008	Safety of power transformers, power supplies, reactors and similar products - Part 2-7: Particular requirements and tests for transformers and power supplies for toys	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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Safety requirements for electrical equipment for measurement, control and laboratory use**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 61010-1:2010 DIN EN 61010-1:2011 VDE 0411-1:2011	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	A
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

**Information Technology, Consumer Electronics, Industrial Technology**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Safety of machinery**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60204-1:2005 DIN EN 60204-1:2007 VDE 0113-1:2007	Safety of machinery - Electrical equipment of machines - Part 1: General requirements	A
IEC 60204-11:2000 DIN EN 60204-11:2001 VDE 0113-11:2001	Safety of machinery - Electrical equipment of machines - Part 11: Requirements for HV equipment for voltages above 1000 V a. c. or 1500 V d. c. and not exceeding 36 kV	A
IEC 60204-31:2013 DIN EN 60204-31:2014 VDE 0113-31:2014	Safety of machinery - Electrical equipment of machines - Part 31: Particular safety and EMC requirements for sewing machines, units and systems	A
IEC 60204-32:2008 DIN EN 60204-32:2009 VDE 0113-32:2009	Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines	A
IEC 60204-33:2009 DIN EN 60204-33:2011 VDE 0113-33:2011	Safety of machinery - Electrical equipment of machines - Part 33: Requirements for semi-conductor fabrication equipment	A
IEC 62103:2003 DIN EN 50178:1998 VDE 0160:1998	Electronic equipment for use in power installations	A
IEC 61800-5-1 (VDE 0160-105-1):2017 EN 61800-5-1:2007 VDE 0160-105:2007	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements – Electrical, thermal and energy	A
IEC 61131-2:2007 DIN EN 61131-2:2008 VDE 0411-500:2008	Programmable controllers - Part 2: Equipment requirements and tests	A

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**Rotating electrical machines**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60034-1:2010 DIN EN 60034-1:2011 VDE 0530-1:2011	Rotating electrical machines - Part 1: Rating and performance	A
IEC 60034-2-1:2007 DIN EN 60034-2-1:2008 VDE 0530-2-1:2008	Rotating electrical machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles)	A
IEC 60034-2-2:2010 DIN EN 60034-2-2:2010 VDE 0530-2-2:2010	Rotating electrical machines - Part 2-2: Specific methods for determining separate losses of large machines from tests	A
IEC 60034-3:2007 DIN EN 60034-3:2009 VDE 0530-3:2009	Rotating electrical machines - Part 3: Specific requirements for synchronous generators driven by steam turbines or combustion gas turbines	A
IEC 60034-4:2008 DIN EN 60034-4:2009 VDE 0530-4:2009	Rotating electrical machines - Part 4: Methods for determining synchronous machine quantities from tests	A
IEC 60034-5:2000 DIN EN 60034-5:2007 VDE 0530-5:2007	Rotating electrical machines - Part 5: Degrees of protection provided by integral design of rotating electrical machines (IP code) – Classification	A
IEC 60034-6:1991 DIN EN 60034-6:1996 VDE 0530-6:1996	Rotating electrical machines - Part 6: Methods of cooling (IC-Code)	A
IEC 60034-7:1992 DIN EN 60034-7:2001 VDE 0530-7:2001	Rotating electrical machines - Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM code)	A
IEC 60034-8:2007 DIN EN 60034-8:2014 VDE 0530-8:2014	Rotating electrical machines - Part 8: Terminal markings and direction of rotation	A
IEC 60034-11:2004 DIN EN 60034-11:2005 VDE 0530-11:2005	Rotating electrical machines - Part 11: Thermal protection	A
IEC 60034-12:2002 DIN EN 60034-12:2008 VDE 0530-12:2008	Rotating electrical machines - Part 12: Starting performance of single-speed three-phase cage induction motors	A
IEC 60034-15:2009 DIN EN 60034-15:2010 VDE 0530-15:2010	Rotating electrical machines - Part 15: Impulse voltage withstand levels of formwound stator coils for rotating a. c. machines	A
IEC 60034-16-1:2011 DIN EN 60034-16-1:2011 VDE 0530-16:2011	Rotating electrical machines - Part 16-1: Excitation systems for synchronous machines – Definitions	A
IEC 60034-18-1:2010 DIN EN 60034-18-1:2010 VDE 0530-18-1:2010	Rotating electrical machines - Part 18-1: Functional evaluation of insulation systems – General guidelines	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60034-18-21:2012 DIN EN 60034-18-21:2013 VDE 0530-18-21:2013	Rotating electrical machines - Part 18-21: Functional evaluation of insulation systems - Test procedures for wire-wound windings - Thermal evaluation and classification	A
IEC 60034-18-22:2000 DIN EN 60034-18-22:2001 VDE 0530-18-22:2001	Rotating electrical machines - Part 18-22: Functional evaluation of insulation systems; Test procedures for wire-wound windings; Classification of changes and insulation component substitutions	A
IEC 60034-18-31:2012 DIN EN 60034-18-31:2013 VDE 0530-18-31:2013	Rotating electrical machines - Part 18-31: Functional evaluation of insulation systems - Test procedures for form-wound windings - Thermal evaluation and classification of insulation systems used in rotating machines	A
IEC 60034-18-32:2010 DIN EN 60034-18-32:2011 VDE 0530-18-32:2011	Rotating electrical machines - Part 18-32: Functional evaluation of insulation systems - Test procedures for form-wound windings - Evaluation by electrical endurance	A
IEC/TS 60034-18-33:2010 DIN CLC/TS 60034-18-33 VDE V 0530-18-33:2011	Rotating electrical machines - Part 18-33: Functional evaluation of insulation systems - Test procedures for form-wound windings - Multifactor evaluation by endurance under simultaneous thermal and electrical stresses	A
IEC 60034-18-34:2012 DIN EN 60034-18-34:2012 VDE 0530-18-34:2012	Rotating electrical machines - Part 18-34: Functional evaluation of insulation systems - Test procedures for form-wound windings - Evaluation of thermomechanical endurance of insulation systems	A
IEC/TS 60034-18-42:2008 DIN CLC/TS 0034-18-42 VDE V 0530-18-42:2011	Rotating electrical machines - Part 18-42: Qualification and acceptance tests for partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters	A
IEC 60034-22:2009 DIN EN 60034-22:2009 VDE 0530-22:2010	Rotating electrical machines - Part 22: AC generators for reciprocating internal combustion (RIC) engine driven generating sets	A
IEC/TS 60034-24:2009 DIN CLC/TS 60034-24 VDE V 0530-240:2011	Rotating electrical machines - Part 24: Online detection and diagnosis of potential failures at the active parts of rotating electrical machines and of bearing currents – Application guide	A
IEC 60034-26:2006 DIN EN 60034-26:2007 VDE 0530-26:2007	Rotating electrical machines - Part 26: Effects of unbalanced voltages on the performance of three-phase cage induction motors	A
IEC/TS 60034-27:2006 DIN CLC/TS 60034-27 VDE V 0530-27:2011	Rotating electrical machines - Part 27: Offline partial discharge measurements on the stator winding insulation of rotating electrical machines	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60034-28:2012 DIN EN 60034-28:2013 VDE 0530-28:2013	Rotating electrical machines - Part 28: Test methods for determining quantities of equivalent circuit diagrams for three-phase low-voltage cage induction motors	A
IEC 60034-29:2008 DIN EN 60034-29:2009 VDE 0530-29:2009	Rotating electrical machines - Part 29: Equivalent loading and superposition techniques – Indirect testing to determine temperature rise	A
IEC 60034-30:2008 DIN EN 60034-30:2009 VDE 0530-30:2009	Rotating electrical machines - Part 30: Efficiency classes of single-speed, three-phase, cage-induction motors	A
DIN CLC/TS 60034-31 VDE V 0530-31:2011	Rotating electrical machines - Part 31: Selection of energy-efficient motors including variable speed applications - Application guide	A
DIN IEC/TS 60034-18-41 VDE 0530-18-41:2007	Rotating electrical machines - Part 18-41: Qualification and quality control tests for partial discharge free (Type I) electrical insulation systems used in rotating electrical machines fed from voltage converters	A
IEC 60044-8:2002 DIN EN 60044-8:2003 VDE 0414-44-8:2003	Instrument transformers - Part 8: Electronic current transformers	A

**Uninterruptible power systems (UPS, for IT equipment)**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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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**Low-voltage switchgear and controlgear assemblies**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 61439-2:2011 EN 61439-2:2011 VDE 0660-600-2:2012	Low-voltage switchgear and controlgear assemblies - Part 1: General rules	A, C
IEC 61439-3:2012 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
DIN EN 41003:2009 VDE 0804-100:2009	Particular safety requirements for equipment to be connected to telecommunication networks	A

**Information technology equipment - Safety**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

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**Safety requirements for audio, video or similar electronic apparatus**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Round wires, winding wires**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN EN 60317-56:2018 IEC 60317-56:2017 <b>Abschnitte 16, 20, 21 sind ausgeschlossen</b>	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

**Photovoltaic systems**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN EN 50521:2013 VDE 0126-3:2013	Connectors for photovoltaic systems – Safety requirements and tests	A
IEC 62109-1:2010 EN 62109-1:2010 DIN EN 62109-1:2011 VDE 0126-14-1:2011	Safety of power converters for use in photovoltaic power systems - Part 1: General requirements	A
IEC 62109-2:2011 EN 62109-2:2011 DIN EN 62109-2:2011 VDE 0126-14-2:2012	Safety of power converters for use in photovoltaic power systems - Part 2: Particular requirements for inverters	A

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**Energy efficiency**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 0868-103):2016	Audio, video, and related equipment - Determination of power consumption - Part 3: Television sets	A
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 62552-2:2015	Household refrigerating appliances – Characteristics and test methods – Part 2: Performance requirements	A
IEC 62552-3:2015	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
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Energy Star Program (EPA)**

**1. Lamps, Luminaires, SSL, Power Supplies**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
Energy Star Test Method for Compact Fluorescent Lamps (CFLs)	Energy Star Program Requirements for Compact Fluorescent Lamps (CFLs)	A
Energy Star Test Method for Integral LED Lamps	Energy Star Program Requirements for Integral LED Lamps	A
Energy Star Test Method for Luminaires	Energy Star Program Requirements for Luminaires	A
Energy Star Test Method for Solid State Lighting (SSL) Products	Energy Star Program Requirements for Solid State Lighting (SSL) Products	A
Energy Star Test Method for Single Voltage External Ac-Dc and Ac-Ac Power Supplies	Energy Star Program Requirements for Single Voltage External Ac-Dc and Ac-Ac Power Supplies	A

**Energy Star Program (EPA)**

**2. Residential Dishwashers**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
United States Code of Federal Regulations Title 10: Energy Part 430 - Energy Conservation Program for Consumer Products - Subpart B - Test Procedures	Appendix C to Subpart B of Part 430 - Uniform Test Method for Measuring the Energy Consumption of Dishwashers Appendix C1 to Subpart B of Part 430 - Uniform Test Method for Measuring the Energy Consumption of Dishwashers	A
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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**Energy Star Program (EPA)**

**2.1. Commercial Dishwashers**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Energy Star Program (EPA)**

**3. Residential Refrigerators and Freezers**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Energy Star Program (EPA)**

**4. Residential and Commercial Clothes Washers**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
CAN/CSA Standard C360-03(R2009)	Energy Performance, Water Consumption, and Capacity of Household Clothes Washers - Publication Year: 2003, Reaffirmed Year: 2009	A

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**Energy Star Program (EPA)**

**5. Clothes Dryers**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Equipment and systems for home and commercial use**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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):2016	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
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 61121:2012 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
IEC 62885-2:2016	Surface cleaning appliances - Part 2: Dry vacuum cleaners for household or similar use - Methods for measuring the performance	A
DIN EN ISO 23953-1:2016 EN ISO 23953-1:2015 ISO 23953-1:2015	Refrigerated display cabinets - Part 1: Vocabulary	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Safety of household and similar electrical appliance**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 60335-2-2:2019 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 60335-2-4:2008 EN 60335-2-4:2010 + A1:2015 + A11:2018 DIN EN 60335-2-4 (VDE 0700-4):2018	Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-4: Besondere Anforderungen für Wäscheschleudern	A

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IEC 60335-2-5:2012 EN 60335-2-5:2015 DIN EN 60335-2-5:2015 VDE 0700-5:2015	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
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	Household and similar electrical appliances – Safety – Part 2-8: Particular requirements for shavers, hair clippers and similar appliances	A
IEC 60335-2-9:2016-04 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 60335-2-9:2019	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

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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
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 DIN EN 60335-2-13:2013 VDE 0700-13:2013	Safety of household and similar electrical appliances; Part 2-13: Frying pans, deep fat fryers and similar appliances	A
IEC 60335-2-14:2006 EN 60335-2-14:2006 DIN EN 60335-2-14:2012 VDE 0700-14:2012	Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines	A
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 60335-2-17:2012 + AMD1:2015 + AMD2:2019 IEC 60335-2-17:2019 EN 60335-2-17:2013 DIN EN 60335-2-17:2013 VDE 0700-17:2013	Household and similar electrical appliances - Safety - Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances	A

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IEC 60335-2-21:2002 EN 60335-2-21:2003 DIN EN 60335-2-21:2009 VDE 0700-21:2009	Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters	A
IEC 60335-2-23:2016 + AMD1:2019 IEC 60335-2-23:2019 (consolidated version) 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
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	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 EN 60335-2-27:2013 DIN EN 60335-2-27:2014 VDE 0700-27:2014	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 EN 60335-2-30:2009 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 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
IEC 60335-2-31:2016	Particular requirements for range hoods and other cooking fume extractors	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 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

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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
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 60335-2-43:2002 EN 60335-2-43:2003 DIN EN 60335-2-43:2009 VDE 0700-43:2009	Household and similar electrical appliances - Safety - Part 2-43: Particular requirements for clothes dryers and towel rails	A
IEC 60335-2-43:2017 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

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IEC 60335-2-44:2012 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
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 EN 60335-2-52:2003 DIN EN 60335-2-52:2011 VDE 0700-52:2011	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

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IEC 60335-2-54:2008 EN 60335-2-54:2008 DIN EN 60335-2-54:2013 VDE 0700-54:2013	Household and similar electrical appliances - Safety - Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam	A
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 EN 60335-2-58:2005 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
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

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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 EN 60335-2-66:2003 DIN EN 60335-2-66:2012 VDE 0700-66:2012	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
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 EN 60335-2-74:2003 DIN EN 60335-2-74:2010 VDE 0700-74:2010	Household and similar electrical appliances - Safety - Part 2-74: Particular requirements for portable immersion heaters	A

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IEC 60335-2-75:2012 + AMD1:2015 + AMD2:2018 IEC 60335-2-75:2018 (consolidated version) 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 EN 60335-2-78:2003 DIN EN 60335-2-78:2009 VDE 0700-78:2009	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
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

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IEC 60335-2-84:2002 EN 60335-2-84:2003 DIN EN 60335-2-84:2009 VDE 0700-84:2009	Household and similar electrical appliances - Safety - Part 2-84: Particular requirements for toilets	A
IEC 60335-2-85:2002 EN 60335-2-85:2003 DIN EN 60335-2-85:2009 VDE 0700-85:2009	Household and similar electrical appliances - Safety - Part 2-85: Particular requirements for fabric steamers	A
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
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

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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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
IEC 60335-2-103:2015	Particular requirements for drives for gates, doors and windows	A
IEC 60335-2-105:2004 EN 60335-2-105:2005 DIN EN 60335-2-105:2010 VDE 0700-105:2010	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 0700-109:2011	Household and similar electrical appliances - Safety - Part 2-109: Particular requirements for UV radiation water treatment appliances	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

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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

**Industrial electroheat installations**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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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

**Safety of hand-held motor-operated tools**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60745-1:2006 DIN EN 60745-1:2012 VDE 0740-1:2012	Hand-held motor-operated electric tools - Safety - Part 1: General requirements	A
IEC 62841-1:2014 DIN EN 62841-1:2016 VDE 0740-1:2016	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements	A
DIN EN 62841-1 (VDE 0740-1):2016	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 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 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	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 EN 62841-2-2:2014	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 DIN EN 60745-2-3:2014 VDE 0740-2-3:2014	Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders	A
IEC 60745-2-4:2002 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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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
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/EN 62841-3-4:2017	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 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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
EN 50580:2012 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
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

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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
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

**Safety of transportable motor-operated electric tools**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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
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

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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

**Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN EN 14511-1:2018	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	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	Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling - Part 3: Test methods	A
DIN EN 14511-4:2018	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	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
ISO 13261-2:1998	Sound power rating of air-conditioning and air-source heat pump equipment - Part 1: Non-ducted outdoor equipment	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN EN 15194:2017 Only EMC testing Annex C	Sound power rating of air-conditioning and air-source heat pump equipment - Part 2: Non-ducted indoor equipment	A

**Components for Household, Commerce and Industry, Switches for Appliances and fixed Installations, Controls, Miniature Fuses**

**Miniature Fuses**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Thermal links**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60691:2015 EN 60691:2016 VDE 0821:2017	Thermal-links - Requirements and application guide	A

**Capacitors**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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
IEC 61642:1997 EN 61642:1997 VDE 0560-430:1998	Industrial a. c. networks affected by harmonics - Application of filters and shunt capacitors	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Fixed capacitors, inductors and passive filter units for electromagnetic interference suppression**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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
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

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**Portable residual current devices without integral over-current protection (PRCDi)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
VDE 0661:1988	Portable protective devices intended for an increase in the protection level for 230 V a. c. rated voltage, 16 A rated current, rated residual current $I_{\Delta n} \leq 30$ mA	C
IEC 61540:1997 HD 639 S1:2002 VDE 0661-10:2004	Electrical accessories - Portable residual current devices without integral overcurrent protection for household and similar use (PRCDs)	C
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

**Fixed socket-outlets with residual current devices**

Standard/Procedure/Version	Title of Standard or Procedure	Location
DIN VDE 0662 (VDE 0662):1993	Fixed socket-outlets with residual current devices intended for an increase in the protection level	C

**Charging line integrated control and protection device**

Standard/Procedure/Version	Title of Standard or Procedure	Location
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	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 Clause 9.26
IEC 62752:2016-03 <b>Only Clause 9.26, Annex A</b>	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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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Low Voltage Fuses**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 60269-4:2009 + AMD1:2012 + AMD2:2016 EN 60269-4:2009 + A1:2012 + A2:2016 VDE 0636-4:2017-07 Low	Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices	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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Circuit-breakers for overcurrent protection**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60898-1:2002 EN 60898-1:2003 VDE 0641-11:2006	Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a. c. operation	C
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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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**Circuit-breaker For Equipment (CBE)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
IEC 60934:2000 EN 60934:2001 VDE 0642:2013	Circuit-breakers for equipment (CBE)	C

**Selective main circuit-breaker functionally dependent online voltage (RCCBs)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
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
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
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

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**Residual current operated circuit-breakers with integral overcurrent protection (RCBOs)**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

**Low-voltage switchgear and controlgear**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60947-1:2007 EN 60947-1:2007 VDE 0660-100:2015	Low-voltage switchgear and controlgear - Part 1: General rules	C
IEC 60947-2:2016 EN 60947-2:2017 VDE 0660-101:2014	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers	C
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60947-4-1:2009 EN 60947-4-1:2010 VDE 0660-102:2014	Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters	C
IEC 60947-4-2:2011 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 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 EN 60947-5-2:2007 VDE 0660-208:2014	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches	C
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

**Electromechanical contactors for household**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 61095:2009 EN 61095:2009 VDE 0637-3:2009	Electromechanical contactors for household and similar purposes	C

**Low-voltage switchgears**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0638:1981 DIN 57638:1981	Low-voltage switchgears; fuse-switch-units; DO-system	C

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**Low-voltage switchgear and controlgear assemblies**

Standard/Procedure/Version	Title of Standard or Procedure	Location
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

**Low-voltage surge protective devices**

Standard/Procedure/Version	Title of Standard or Procedure	Location
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
EN 50539-11:2013 + A1:2014 VDE 0675-39-11:2013-12 + A1:2015-09	Low-voltage surge protective devices - Surge protective devices for specific application including d.c. - Part 11: Requirements and tests for SPDs in photovoltaic applications	C

**Switches for appliances**

Standard/Procedure/Version	Title of Standard or Procedure	Location
DIN EN IEC 61058-1 (VDE 0630-1):2018-08	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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**Automatic electrical controls**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60730-1:2013 VDE 0631-1:2012 EN 60730-1:2011	Automatic electrical controls - Part 1: General requirements	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
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 EN 60730-2-9:2010	Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls	A
IEC 60730-2-9:2015	Automatic electrical controls – 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
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Switches for household and similar fixed-electrical installations**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Degrees of protection**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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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**In-cable residual current device**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
IEC 60695-2-2:1991 DIN EN 60695-2-2:1996 VDE 0471-2-2:1996	Fire hazard testing - Part 2: Test methods; Section 2: Needle-flame test	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 Fire hazard testing - Part 10-2: Guidance and test method for the minimization of the effects of abnormal heat on electrotechnical products involved in fires; method for testing products made from non-metallic materials for resistance to heat using the ball pressure test	A
BGI 526:1989-10	Evaluation of the accessibility of building components	A

**Optoelectronic devices**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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Standard/Procedure/Version	Title of Standard or Procedure	Location
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
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

**Railway applications for fixed installations**

Standard/Procedure/Version	Title of Standard or Procedure	Location
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
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

**Connectors for electronic equipment**

Standard/Procedure/Version	Title of Standard or Procedure	Location
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</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
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</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
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</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

**Thermistors - Directly heated positive temperature coefficient**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 - Inrush current application - Assessment level EZ	B
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

**Varistors**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

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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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**Environmental testing**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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	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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</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 <b>Exclusion:</b> Test method 7 (Clause 9.4.8) and Test method 8 (Clause 9.4.9)	B
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
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

**Relais, connecting systems, special components**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 60112:2003 VDE 0303-11:2010	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	A
IEC 60707:1999 DIN EN 60707:1999 VDE 0304-3:1999	Flammability of solid non-metallic materials when exposed to flame sources - List of test methods	A

**Electrical relays**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Customer distribution boards and meter panels AC 400 V**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN VDE 0603-1:1991 VDE 0603-1:1991	Consumer units and meter panels AC 400 V; consumer units and meter panels	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	Customer 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

**Connecting devices for low-voltage circuits for household and similar purposes**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

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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

**Connecting devices - Electrical copper conductors**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 <sup>2</sup> up to 35 mm <sup>2</sup> (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 <sup>2</sup> up to 300 mm <sup>2</sup> (included)	A
VDE 0611-7-4:2014 EN 60947-7-4:2013 IEC 60947-7-4:2013	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors	A

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**Boxes and enclosures for household and similar fixed electrical installations**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0606-1:2014 IEC 60670-1:2011 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
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 0606-22-100:2012	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

**Terminal blocks**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 <sup>2</sup>	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.; test for flammability and flame propagation	A
VDE 0618-1:1989	Equipment for equipotential bonding; equipotential bush for main equipotential bonding	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN EN 62444:2014 VDE 0619:2014 EN 62444:2013 IEC 62444:2010	Cable glands for electrical installations	A

**Plugs and socket-outlets for household and similar purposes**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Plugs, socket-outlets and couplers for industrial purposes and cable reels**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0623-1:2013 IEC 60309-1:1999 DIN EN 60309-1:2013 EN 60309-1:1999	Plugs, socket-outlets and couplers for industrial purposes - Part 1: General requirements	A
VDE 0623-2:2013 IEC 60309-2:1999 DIN EN 60309-2:2013 EN 60309-2:1999	Plugs, socket-outlets and couplers for industrial purposes - Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories	A
VDE 0623-3:2012 IEC 60309-4:2006 DIN EN 60309-4:2012	Plugs, socket-outlets and couplers for industrial purposes - Part 4: Switched socket-outlets and connectors with or without interlock	A
VDE 0623-4:2003 EN 50250:2002	Conversion adaptors for industrial use	A

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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	A
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	A
VDE 0623-100:2000 IEC 61316:1999 EN 61316:1999	Industrial cable reels	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
VDE 0623-5-3:2015 EN 62196-3:2014 IEC 62196-3:2014	Plugs, socket-outlets, and vehicle couplers – 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	A

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**Appliance couplers**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

**Cord sets and interconnection cord sets**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</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
UL 94:2010	Tests for Flammability of Plastic Materials for Parts in Devices and Applications	A

**Cables and cords, materials, special tests - Insulated power cables**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0250-1:1981 DIN 57250-1:1981	Specifications for cables, wires and flexible cords for power installations	A
VDE 0250-102:1991	Cables, wires and flexible cords for power installation; PVC-insulated twin-cable for internal wiring	A
VDE 0250-106:1982 DIN 57250-106:1982	Cables, wires and flexible cords for power installation; ETFE single-core-non-sheathed 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
VDE 0250-206:1983 DIN 57250-206:1983	Cables, wires and flexible cords for power installation; PVC-sheathed cable with suspension strand	A
VDE 0250-210:1985	Cables, wires and flexible cords for power installation; lead-sheathed cable	A
VDE 0250-212:1982 DIN 57250-212:1985	Cables, wires and flexible cords for power installation; screened PVC-cables U <sub>0</sub> /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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 0250-802:1985	Cables, wires and flexible cords for power installation; flexible cable for theatres	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-polychloroprene-sheathed flexible cable	A
VDE 0250-811:1985	Cables, wires and flexible cords for power installation; rubber insulated flexible cable NSHCÖU	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
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
VDE 0271:2007	Power cables - Specifications for power cables 0,6/1 kV and above for special applications	A
EN 50618:2014 DIN EN 50618 (VDE 0283-618):2015-11	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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60216-2:2005 EN 60216-2:2005 DIN EN 60216-2:2006 VDE 0304-22:2006	Electrical insulating materials - Thermal endurance properties - Part 2: Determination of thermal endurance properties of electrical insulating materials - Choice of test criteria	A
EN 50620:2017 + A1:2019 DIN EN 50620 (VDE 0283-620:2017)	Electric cables - Charging cables for electric vehicles; German Version EN 50620:2017	A
ISO 48:2010	Rubber, vulcanized or thermoplastic - Determination of hardness (hardness between 10 IRHD and 100 IRHD)	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

**Power cables / energy distribution cable**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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	A
VDE 0276-605:2009-07 HD 605 S2:2008	Electric cables - Additional test methods	A
VDE 0276-620:2010-11 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	A
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
VDE 0276-626/A1:1998-07 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
VDE 0276-626:1997-01 HD 626 S1:1996	Power cables Part 626- Overhead distribution cables of rated voltage $U_0/U(U_m)$ :0,6/1 (1,2) kV	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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0276-632-3:2013-05 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);	A
VDE 0276-632:1999-05 HD 632 S1	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)	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 60840:2011	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

**Polyvinyl chloride insulated power cables**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0281-8:2000 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
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 60227-3:1993	PVC insulated cables of rated voltages up to and including 450/750 V; Part 3: non-sheathed cables for fixed wiring	A
IEC 60227-4:1992	PVC insulated cables of rated voltages up to and including 450/750 V; Part 4: sheathed cables for fixed wiring	A
IEC 60227-5:2011	PVC insulated cables of rated voltages up to and including 450/750 V - Part 5: Flexible cables (cords)	A
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

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**Rubber insulated power cables**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60245-1:2003	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
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 60245-4:2011	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 60245-6:1994	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 60245-8:1998	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 8: Cords for applications requiring high flexibility	A
VDE 0283-1:2010 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
VDE 0283-2:2007 EN 50214:2006	Flat polyvinyl chloride sheathed flexible cables	A
IEC 61138:2007 VDE 0283-3:2008 EN 61138:2007	Cables for portable earthing and short-circuiting equipment	A
IEC 60702-1:2002 VDE 0284-1:2002 EN 60702-1:2002	Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 1: Cables	A
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 <sub>0</sub> /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 <sub>0</sub> /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 <sub>0</sub> /U) - Part 2-12: Cables for general applications - Cables with thermoplastic PVC insulation for extensible leads	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 <sub>0</sub> /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 <sub>0</sub> /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 <sub>0</sub> /U) - Part 2-31: Cables for general applications - Single core non-sheathed cables with thermoplastic PVC insulation	A
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 <sub>0</sub> /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 <sub>0</sub> /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 <sub>0</sub> /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 <sub>0</sub> /U) - Part 2-71: Cables for general applications - Flat tinsel cables (cords) with thermoplastic PVC insulation	A
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 <sub>0</sub> /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 <sub>0</sub> /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 <sub>0</sub> /U) - Part 2-83: Cables for general applications - Multicore cables with crosslinked silicone rubber insulation	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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 <sub>0</sub> /U) - Part 2-72: Cables for general applications - Flat divisible cables (cords) with thermoplastic PVC 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 <sub>0</sub> /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 <sub>0</sub> /U) - Part 3-21: Cables with special fire performance - Flexible cables with halogen-free crosslinked insulation, and low emission of smoke	A
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 <sub>0</sub> /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 <sub>0</sub> /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

**Power cable accessories**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN EN 50483-1:2009 VDE 0278-483-1:2009	Test requirements for low voltage aerial bundled cable accessories - Part 1: Generalities	A
HD 629.1 S2:2006 DIN VDE 0278-629-1:2009 VDE 0278-629-1:2009	Test requirements on accessories for use on power cables of rated voltage from 3,6/6 (7,2) kV up to 20,8/36(42) kV - Part 1: Cables with extruded insulation	A
DIN 57279:1982 DIN VDE 0279:1982 VDE 0279:1982	Accessories for underground mining cables; joint boxes U <sub>0</sub> /U=0,6/1 kV	A

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**Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V**

Standard/Procedure/Version	Title of Standard or Procedure	Location
IEC 60702-1:2002 DIN EN 60702-1:2002 VDE 0284-1:2002	Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 1: Cables	A
IEC 60702-2:2002 DIN EN 60702-2:2002 VDE 0284-2:2002	Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 2: Terminations	A

**Power cables**

Standard/Procedure/Version	Title of Standard or Procedure	Location
IEC 60502-1:2009	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	Equipment wires and stranded equipment wires for telecommunication systems and data processing systems	A
DIN VDE 0813:1990 VDE 0813:1990	Switchboard cables for telecommunication and data processing systems	A
VDE 0814:1981	Cords for telecommunication systems and information processing systems	A
VDE 0815:1985	Wiring cables for telecommunication and data processing systems	A
VDE 0816-1:1988	External cables for telecommunication and data processing systems; cables insulated and sheathed with polyethylen, unit stranded	A
VDE 0817:1990	Cables with stranded conductors for increased mechanical stress for telecommunications systems and data processing systems	A
VDE 0818:1983	Self-supporting telecommunication aerial cables on overhead power lines above 1 kV	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
VDE 0881:1986	Equipment wires and flexible equipment wires with extended temperature range for telecommunication systems and data processing systems	A
DIN EN 50117-1:2014 VDE 0887-1:2014	Coaxial cables - Part 1: Generic specification	A
DIN EN 50173-1:2011	Information technology - Generic cabling systems - Part 1: General requirements	A

**Optical fibre cables**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0888-10:2012 IEC 60794-2-11:2012 EN 60794-2-11:2012	Optical fibre cables - Part 2-11: Indoor optical fibre cables - Detailed specification for simplex and duplex cables for use in premises cabling	A
VDE 0888-11:2012 IEC 60794-2-21:2012 EN 60794-2-21:2012	Optical fibre cables - Part 2-21: Indoor optical fibre cables - Detailed specification for multi-fibre optical distribution cables for use in premises cabling	A
VDE 0888-12:2006 IEC 60794-2-31:2005 EN 60794-2-31:2006	Optical fibre cables - Part 2-31: Indoor cables - Detailed specification for optical fibre ribbon cables for use in premises cabling	A
VDE 0888-13:2006 IEC 60794-3-12:2005 EN 60794-3-12:2006	Optical fibre cables - Part 3-12: Outdoor cables - Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling	A
VDE 0888-100-1:2012 IEC 60794-1-1:2011 EN 60794-1-1:2011	Optical fibre cables - Part 1-1: Generic specification - General	A
VDE 0888-100-2:2004 IEC 60794-1-2:2003 EN 60794-1-2:2003	Optical fibre cables - Part 1-2: Generic specification - Cross reference table for optical cable test procedures	A
VDE 0888-100-22:2013 IEC 60794-1-22:2012 EN 60794-1-22:2012	Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures – Environmental test methods	A
VDE 0888-108:2002 IEC 60794-3:2001 EN 60794-3:2002	Optical fibre cables - Part 3: Outdoor optical fibre cables - Sectional specification	A
VDE 0888-112:2003 EN 187103:2003	Family specification - Optical fibre cables for indoor applications	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0888-114:2002 EN 187105:2002	Single mode optical cable (duct/direct buried installation)	A
VDE 0888-115:2003 IEC 60794-2:2002 EN 60794-2:2003	Optical fibre cables - Part 2: Indoor cables; Sectional specification	A
VDE 0888-116:2012 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	A
VDE 0888-117:2010 IEC 60794-2-20:2008 EN 60794-2-20:2010	Optical fibre cables - Part 2-20: Indoor cables – Family specification for multi-fibre optical cables	A
VDE 0888-118:2009 IEC 60794-2-30:2008 EN 60794-2-30:2008	Optical fibre cables - Part 2-30: Indoor cables - Family specification for ribbon cables	A
VDE 0888-119:2008 IEC 60794-2-40:2008 EN 60794-2-40:2008	Optical fibre cables - Part 2-40: Indoor optical fibre cables - Family specification for A4 fibre cables	A
VDE 0888-120:2009 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	A
VDE 0888-121:2009 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
VDE 0888-122:2009 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
VDE 0888-220:2002 IEC 60793-1-20:2001 EN 60793-1-20:2002	Optical fibres - Part 1-20: Measurement methods and test procedures - Fibre geometry	A
VDE 0888-221:2002 IEC 60793-1-21:2001 EN 60793-1-21:2002	Optical fibres - Part 1-21: Measurement methods and test procedures; Coating geometry	A
VDE 0888-222:2002 IEC 60793-1-22:2001 EN 60793-1-22:2002	Optical fibres - Part 1-22: Measurement methods and test procedures; Length measurement	A
VDE 0888-230:2011 IEC 60793-1-30:2010 EN 60793-1-30:2011	Optical fibres - Part 1-30: Measurement methods and test procedures - Fibre proof test	A

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VDE 0888-231:2011 IEC 60793-1-31:2010 EN 60793-1-31:2010	Optical fibres - Part 1-31: Measurement methods and test procedures - Tensile strength	A
VDE 0888-232:2011 IEC 60793-1-32:2010 EN 60793-1-32:2010	Optical fibres - Part 1-32: Measurement methods and test procedures - Coating strippability	A
VDE 0888-233:2002 IEC 60793-1-33:2001 EN 60793-1-33:2002	Optical fibres - Part 1-33: Measurement methods and test procedures; Stress corrosion susceptibility	A
VDE 0888-234:2007 IEC 60793-1-34:2006 EN 60793-1-34:2006	Optical fibres - Part 1-34: Measurement methods and test procedures - Fibre curl	A
VDE 0888-240:2004 IEC 60793-1-40:2003 EN 60793-1-40:2003	Optical fibres - Part 1-40: Measurement methods and test procedures - Attenuation	A
VDE 0888-241:2011 IEC 60793-1-41: 2010 EN 60793-1-41:2010	Optical fibres - Part 1-41: Measurement methods and test procedures - Bandwidth	A
VDE 0888-242:2008 IEC 60793-1-42:2007 EN 60793-1-42:2007	Optical fibres - Part 1-42: Measurement methods and test procedures - Chromatic dispersion	A
VDE 0888-243:2002 IEC 60793-1-43:2001 EN 60793-1-43:2002	Optical fibres - Part 1-43: Measurement methods - Numerical aperture measurement	A
VDE 0888-244:2012 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
VDE 0888-245:2004 IEC 60793-1-45:2001 EN 60793-1-45:2003	Optical fibres - Part 1-45: Measurement methods and test procedures - Mode field diameter	A
VDE 0888-247:2010 IEC 60793-1-47:2009 EN 60793-1-47:2009	Optical fibres - Part 1-47: Measurement methods and test procedures - Macrobending loss	A
VDE 0888-250:2002 IEC 60793-1-50:2001 EN 60793-1-50:2002	Optical fibres - Part 1-50: Measurement methods and test procedures - Damp heat (steady state)	A
VDE 0888-251:2002 IEC 60793-1-51:2001 EN 60793-1-51:2002	Optical fibres - Part 1-51: Measurement methods and test procedures - Dry heat (steady state) tests	A
VDE 0888-252:2002 IEC 60793-1-52:2001 EN 60793-1-52:2002	Optical fibres - Part 1-52: Measurement methods and test procedures - Change of temperature tests	A

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VDE 0888-253:2002 IEC 60793-1-53:2001 EN 60793-1-53:2002	Optical fibres - Part 1-53: Measurement methods and test procedures - Water immersion tests	A
VDE 0888-741:2010 IEC 62134-1:2009 EN 62134-1:2009	Fibre optic interconnecting devices and passive components - Fibre optic closures - Part 1: Generic specification	A
VDE 0888-745:2010	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Type EM-RJ connector family	A
VDE 0888-500-61:2012 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
VDE 0888-601:2009 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
VDE 0888-611-2-2:2012 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
VDE 0888-731:2009 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
VDE 0888-741:2010 IEC 62134-1:2009 EN 62134-1:2009	Fibre optic interconnecting devices and pas-sive components - Fibre optic closures - Part 1: Generic specification	A
VDE 0888-745:2010	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Type EM-RJ connector family	A
VDE 0291-1:1972	Specifications for filling compounds for cable accessories and for scalding compounds; Hot-cast filling compounds, filling-compounds for cold pressing-in, two-component cold-cast filling compounds and scalding compounds	A
VDE 0291-2:1979	Compounds for use in cable accessories; casting resinous compounds before cure and in the cured state	A

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**Requirements for flexible insulating sleeves**

Standard/Procedure/Version	Title of Standard or Procedure	Location
VDE 0340-1:1997 IEC 60454-1:1992 EN 60454-1:1994	Specifications for pressure-sensitive adhesive tapes for electrical purposes - Part 1: General requirements	A
VDE 0340-2:2008 IEC 60454-2:2007 EN 60454-2:2007	Pressure-sensitive adhesive tapes for electrical purposes - Part 2: Methods of test	A

**Regulations for insulating hoses**

Standard/Procedure/Version	Title of Standard or Procedure	Location
VDE 0341-1:2004 IEC 60684-1:2003 EN 60684-1:2003	Flexible Insulating sleeving - Part 1: Definitions and general requirements	A
VDE 0341-2:2012 IEC 60684-2:2011 EN 60684-2:2011	Flexible insulating sleeving - Part 2: Methods of test	A

**Heat shrinkable moulded shapes**

Standard/Procedure/Version	Title of Standard or Procedure	Location
VDE 0342-1:2006 IEC 62329-1:2005 EN 62329-1:2006	Heat shrinkable moulded shapes - Part 1: Definitions and general requirements	A
VDE 0342-2:2007 IEC 62329-2:2006 EN 62329-2:2006	Heat shrinkable moulded shapes - Part 2: Methods of test	A
VDE 0342-3-100:2011 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
VDE 0342-3-101:2011 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
VDE 0342-3-102:2011 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

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**Cable trunking systems and cable ducting systems for electrical installations**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0604-1:2006 EN 50085-1:2005	Cable trunking systems and cable ducting systems for electrical installations - Part 1: General requirements	A
VDE 0604-2-1:2012 EN 50085-2-1:2006	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
VDE 0604-2-2:2009 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
VDE 0604-2-3:2011 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
VDE 0604-2-4:2010 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
VDE V 0604-2-100:2012	Electrical installation systems for electrical energy and information - Part 2-100: Test methods for halogen-free	A
VDE 0604-100:2012 IEC 61534-1:2014 EN 61534-1:2014 DIN EN 61534-1:2015	Powertrack systems - Part 1: General requirements	A
VDE 0604-121:2007 IEC 61534-21:2006 EN 61534-21:2006	Powertrack systems - Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting	A
VDE 0604-122:2009 IEC 61534-22:2009 EN 61534-22:2009	Powertrack systems - Part 22: Particular requirements for powertrack systems intended for onfloor or underfloor installation	A
VDE 0604-201:2010 IEC 62275:2006 EN 62275:2009 DIN EN 62275 (VDE 0604-201):2016	Cable management systems - Cable ties for electrical installations	A
VDE 0604-202:2010 IEC 61914:2009 EN 61914:2009	Cable cleats for electrical installations	A
VDE 0604-300:2012 IEC 62549:2011 EN 62549:2011	Articulated systems and flexible systems for cable guiding	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 61084-1:1991	Cable trunking and ducting systems for electrical installations; Part 1: General requirements	A
IEC 61084-2-1:1996	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 61084-2-2:2003	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 61534-1:2012 VDE 0604-100:2012	Powertrack systems - Part 1: General requirements	A

**Cable tray systems and cable ladder systems for electrical energy and information**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0639:2007 IEC 61537:2006 EN 61537:2007	Cable management - Cable tray systems and cable ladder systems	A

**Cable trunking systems and cable ducting systems for electrical installations**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0605-1:2009 IEC 61386-1:2008 EN 61386-1:2008	Conduit systems for cable management - Part 1: General requirements	A
VDE 0605-21:2011 IEC 61386-21:2002 EN 61386-21:2004	Conduit systems for cable management - Part 21: Particular requirements - Rigid conduit systems	A
VDE 0605-22:2011 IEC 61386-22:2002 EN 61386-22:2004	Conduit Systems for cable management - Part 22: Particular requirements - Pliable conduit systems	A
VDE 0605-23:2011 IEC 61386-23:2002 EN 61386-23:2004	Conduit systems for cable management - Part 23: Particular requirements - Flexible conduit systems	A
VDE 0605-24:2011 IEC 61386-24:2004 EN 61386-24:2010	Conduit systems for cable management - Part 24: Particular requirements - Conduit systems buried underground	A
VDE 0605-25:2012 IEC 61386-25:2011 EN 61386-25:2011	Conduit systems for cable management - Part 25: Particular requirements - Conduit fixing devices	A
VDE 0605-100:2006 EN 50369:2005	Liquid tight sheathing systems for cable management	A

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Standard/Procedure/Version	Title of Standard or Procedure	Location
VDE 0605-500:2010 EN 50520:2009	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

**Fire tests**

Standard/Procedure/Version	Title of Standard or Procedure	Location
DIN EN 50200:2007 VDE 0482-200:2007 <b>Restriction: without Annex E</b>	Method of test for resistance to fire of unprotected small cables for use in emergency circuits	A
DIN EN 50266-1:2001 VDE 0482-266-1:2001	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically mounted bunched wires or cables - Part 1: Apparatus	A
DIN EN 50266-2-1:2001 VDE 0482-0266-2-1:2009	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically mounted bunched wires or cables - Part 2-1: Procedures; Category A F/R	A
DIN EN 50266-2-2:2001 VDE 0482-0266-2-2:2001	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically mounted bunched wires or cables - Part 2-2: Procedures; Category A	A
DIN EN 50266-2-3:2001 VDE 0482-0266-2-3:2001	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically mounted bunched wires or cables - Part 2-3: Procedures; Category B	A
DIN EN 50266-2-4:2001 VDE 0482-0266-2-4:2001	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically mounted bunched wires or cables - Part 2-4: Procedures; Category C	A
DIN EN 50266-2-5:2001 VDE 0482-0266-2-5:2001	Common test methods for cables under fire conditions - Test for vertical flame spread of vertically mounted bunched wires or cables - Part 2-5: Procedures; Small cables; Category D	A
DIN EN 60754-1:2015 VDE 0482 Teil 754-1:2015	Test on gases evolved during combustion of materials from cables - Part 1: Determination of the halogen acid gas content	A
DIN EN 60754-2:2015 VDE 0482 Teil 754-2:2015	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN EN 50268-1:2000 DIN EN 50268-2:2003 VDE 0482-268-1:2000 VDE 0482-268-2:2000	Common test methods for cables under fire conditions - Measurement of smoke density of cables burning under defined conditions - Part 1: Apparatus	A
IEC 60331-11:2009	Tests for electric cables under fire conditions - Circuit integrity - Part 11: Apparatus - Fire alone at a flame temperature of at least 750°C	A
IEC 60331-12:2002	Tests for electric cables under fire conditions - Circuit integrity - Part 12: Apparatus; Fire with shock at a temperature of at least 830°C	A
IEC 60331-21:1999	Tests for electric cables under fire conditions - Circuit integrity - Part 21: Procedures and requirements - Cables of rated voltage up to and including 0,6/1,0 kV	A
IEC 60331-23:1999	Tests for electric cables under fire conditions – Circuit integrity - Part 23: Procedures and requirements - Electric data cables	A
IEC 60331-3:2009	Tests for electric cables under fire conditions - Circuit integrity - Part 3: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure	A
IEC 60332-1-1:2004 DIN EN 60332-1-1:2005 VDE 0482-332-1-1:2005	Tests on electric and optical fibre cables under fire conditions - Part 1-1: Test for vertical flame propagation for a single insulated wire or cable - Apparatus	A
IEC 60332-1-2:2004 DIN EN 60332-1-2:2005 VDE 0482-332-1-2:2005	Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame	A
IEC 60332-1-3:2004 DIN EN 60332-1-3:2005 VDE 0482-332-1-3:2005	Tests on electric and optical fibre cables under fire conditions - Part 1-3: Test for vertical flame propagation for a single insulated wire or cable - Procedure for determination of flaming droplets/particles	A
IEC 60332-2-1:2004 DIN EN 60332-2-1:2005 VDE 0482-332-2-1:2005	Tests on electric and optical fibre cables under fire conditions - Part 2-1: Test for vertical flame propagation for a single small insulated wire or cable - Apparatus	A
IEC 60332-2-2:2004 DIN EN 60332-2-2:2005 VDE 0482-332-2-2:2005	Tests on electric and optical fibre cables under fire conditions - Part 2-2: Test for vertical flame propagation for a single small insulated wire or cable - Procedure for diffusion flame	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
IEC 60332-3-10:2000 DIN EN 60332-3-10:2010 VDE 0482-332-3-10:2010	Tests on electric and optical fibre cables under fire conditions - Part 3-10: Test for vertical flame spread of vertically mounted bunched wires or cables - Apparatus	A

**Tests on cables and insulated cables under fire conditions, construction products: classification of construction products regarding reaction to fire of electrical cables**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0482-332-3-21:2010 IEC 60332-3-21:2000 EN 60332-3-21:2009	Tests on electric and optical fibre cables under fire conditions - Part 3-21: Test for vertical flame spread of vertically mounted bunched wires or cables - Category A F/R	A
DIN EN IEC 60332-3-21:2019-05	Tests on electric and optical fibre cables under fire conditions - Part 3-21: Test for vertical flame spread of vertically mounted bunched wires or cables - Category A F/R	A
VDE 0482-332-3-22:2010 IEC 60332-3-22:2000 EN 60332-3-22:2009	Tests on electric and optical fibre cables under fire conditions - Part 3-22: Test for vertical flame spread of vertically mounted bunched wires or cables - Category A	A
DIN EN IEC 60332-3-22:2019-05	Tests on electric and optical fibre cables under fire conditions - Part 3-22: Test for vertical flame spread of vertically mounted bunched wires or cables - Category A	A
VDE 0482-332-3-23:2010 IEC 60332-3-23:2000 EN 60332-3-23:2009	Tests on electric and optical fibre cables under fire conditions - Part 3-23: Test for vertical flame spread of vertically mounted bunched wires or cables - Category B	A
DIN EN IEC 60332-3-23:2019-05	Tests on electric and optical fibre cables under fire conditions - Part 3-23: Test for vertical flame spread of vertically mounted bunched wires or cables - Category B	A
VDE 0482-332-3-24:2010 IEC 60332-3-24:2000 EN 60332-3-24:2009	Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically mounted bunched wires or cables - Category C	A
DIN EN IEC 60332-3-24:2019-05	Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically mounted bunched wires or cables - Category C	A

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0482-332-3-25:2010 IEC 60332-3-25:2000 EN 60332-3-25:2009	Tests on electric and optical fibre cables under fire conditions - Part 3-25: Test for vertical flame spread of vertically mounted bunched wires or cables - Category D	A
DIN EN IEC 60332-3-25:2019-05	Tests on electric and optical fibre cables under fire conditions - Part 3-25: Test for vertical flame spread of vertically mounted bunched wires or cables - Category D	A
IEC 60754-2:2011	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity	A
DIN EN 50362:2001 VDE 0482-362:2003	Method of test for resistance to fire of larger unprotected power and control cables for use in emergency circuits	A
DIN EN 61034-1:2014 VDE 0482-1034-1:2014	Measurement of smoke density of cables burning under defined conditions - Part 1: Test apparatus	A
DIN EN 61034-2:2014 VDE 0482-1034-2:2014	Measurement of smoke density of cables burning under defined conditions - Part 2: Test procedure and requirements	A
BS 6387:1994	Specification for performance requirements for cables required to maintain circuit integrity under fire conditions	A
DIN EN 50399 (VDE 0482-399):2017	Common test methods for cables under fire conditions - Heat release and smoke production measurement on cables during flame spread test - Test apparatus, procedures, results	A
DIN EN 13501-6:2014	Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cables	A
DIN EN 50575 (VDE 0482-575):2017	Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements	A

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**Cables and cords for railway applications**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0260-264-1:2009 EN 50264-1:2008	Railway applications - Railway rolling stock power and control cables having special fire performance - Part 1: General requirements	A
VDE 0260-264-2-1:2009 EN 50264-2-1:2008	Railway applications - Railway rolling stock power and control cables having special fire performance - Part 2-1: Cables with cross-linked elastomeric insulation - Single core cables	A
VDE 0260-264-2-2:2009 EN 50264-2-2:2008	Railway applications - Railway rolling stock power and control cables having special fire performance - Part 2-2: Cables with cross-linked elastomeric insulation - Multicore cables	A
VDE 0260-264-3-1:2009 EN 50264-3-1:2008	Railway applications - Railway rolling stock power and control cables having special fire performance - Part 3-1: Cables with cross-linked elastomeric insulation with reduced dimensions - Single core cables	A
VDE 0260-264-3-2:2009 EN 50264-3-2:2008	Railway applications - Railway rolling stock power and control cables having special fire performance - Part 3-2: Cables with cross-linked elastomeric insulation with reduced dimensions – Multicore cables	A
DIN EN 50305:2003 VDE 0260-305:2003 and Corrigendum 1:2008-02 EN 50305:2002	Railway applications - Railway rolling stock cables having special fire performance - Test methods	A

**Railway applications – Cables and cords for rolling stock having special fire performance - Reduced insulation wall thickness**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VDE 0260-306-1:2003 EN 50306-1:2002	Railway applications - Railway rolling stock cables having special fire performance; Thin wall - Part 1: General requirements	A
VDE 0260-306-2:2003 EN 50306-2:2002	Railway applications - Railway rolling stock cables having special fire performance; Thin wall - Part 2: Single core cables	A
VDE 0260-306-3:2003 EN 50306-3:2002	Railway applications - Railway rolling stock cables having special fire performance; Thin wall - Part 3: Single core and multicore cables (pairs, triples and quads) screened and thin wall sheathed	A

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Standard/Procedure/Version	Title of Standard or Procedure	Location
VDE 0260-306-4:2003 EN 50306-4:2002	Railway applications - Railway rolling stock cables having special fire performance; Thin wall - Part 4: Multicore and multipair cables standard wall sheathed	A

**Railway applications – High temperature cables and cords for rolling stock having special fire performance**

Standard/Procedure/Version	Title of Standard or Procedure	Location
VDE 0260-382-1:2009 EN 50382-1:2008	Railway applications - Railway rolling stock high temperature power cables having special fire performance - Part 1: General requirements	A
VDE 0260-382-2:2009 EN 50382-2:2008	Railway applications - Railway rolling stock high temperature power cables having special fire performance - Part 2: Single core silicone rubber insulated cables for 120°C or 150°C	A

**Telecommunication cable, Signal cable**

Standard/Procedure/Version	Title of Standard or Procedure	Location
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
DB Technical Specification Sheet Dlk 1.013.107 y:2002-07	Signal cable in wire stranding with PE-insulation and PE-sheath - H 115 / H 145 -	A
DB Technical Specification Sheet Dlk 1.013.108 y:2002-07	Signal cable in wire stranding with PE-insulation and PE-sheath - H 95 -	A
DB Technical Specification Sheet Dlk 1.013.109 y:2002-07	Signal cable with star quad cable with PE-insulation and PE-sheath - H 45 -	A
DB Technical Specification Sheet Dlk 1.013.163 y:2005-02	Signal cable with star quad cable with PE-insulation and PE-sheath - base of the rail cable model	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- Technical Specification Sheet Dlk 1.013.204 y:2002-11	Signal cable for special purposes with cord strand, star quad cable, longitudinally water-proof - (PZB-connector cable)	A
DB Technical Specification Sheet Dlk 1.013.401 y:2003-10	Line cable: Single-wire cable with PE- or FRNC-insulation, strain relief elements made of glass yarn and PE- or FRNC sheath	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 416.0112:2007-11	Base of the rail cable model, signal and TK-cable, ESTW - Duo Track-cable	A

**Cables, cords and accessories for military use**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
VG 95218-1:2013	Cables and insulated wires - Part 1: Summary	A
VG 95218-2:2009	Cables and insulated wires - Part 2: Generic specification	A
VG 95218-5:2007	Electrical cables and insulated wires – Part 5: Current rating	A
VG 95218-8:2016	Cables and insulated wires - Part 8: Sheaths of cables and insulated wires, detail standard	A
VG 95218-9:2016	Cables and insulated wires - Part 9: Construction of special cables and insulated wires, detail standard	A
VG 95218-10:2013	Electrical cables and insulated wires – Part 10: Heavy tough-rubber sheathed flexible cables, detail specification	A
VG 95218-11:2011	Cables and insulated wires - Part 11: Cables for voice transmission, not coiled and coiled, detail specification	A
VG 95218-13:2013	Cables and insulated wires - Part 13: Rubber insulated cables and insulated wires, detail specification	A
VG 95218-14:2008	Electrical cables and insulated wires – Part 14: Medium voltage cables and wires, screened, with sheath, halogen-free, low fire hazard, detail specification	A
VG 95218-20:2014	Cables and insulated wires - Part 20: Single core insulated wires, detail standard	A
VG 95218-21:2014	Cables and insulated wires - Part 21: Multi-core insulated wires, detail standard	A
VG 95218-22:2015	Electrical cables and insulated wires – Part 22: Single core insulated wires with screen and protective cover	A
VG 95218-23:2017	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

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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	Cables and insulated wires - Part 26: Single core insulated wires, high flexible, screened, with sheath, detail specification	A
VG 95218-27:2008	Electrical cables and insulated wires – Part 27: Cable with sheath, detail specification	A
VG 95218-28:2008	Electrical cables and insulated wires - Part 28: Cable screened, with sheath; detail specification	A
VG 95218-29:2014	Cables and insulated wires - Part 29: Cables, longitudinal watertight, transversal water-tight, detail standard	A
VG 95218-30:2016	Cables and insulated wires - Part 30: Optical fibre cables with sheath, detail specification	A
VG 95218-31:2012	Cables and insulated wires - Part 31: Cables for data transmission with sheath, halogen-free, low fire hazard, detail specification	A
VG 95218-60:2013	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 95218-61:2013	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 95218-63:2013	Cables and insulated wires - Part 63: Cable with screen and sheath, pair formation, screened, halogen-free, low fire hazard, detail standard	A
VG 95218-64:2013	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
VG 95218-65:2013	Cables and insulated wires - Part 65: Cable with screen and sheath, cabled single elements, screened, halogen-free, low fire hazard, detail standard	A
VG 95218-66:2013	Cables and insulated wires - Part 66: Cable with double screen, with sheath, triple formation, screened, halogen-free, low fire hazard, detail standard	A
VG 95218-101:2002	Electrical cables and insulated wires – Part 101: Coaxial wires, detail specification	A

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VG 95218-1003:2010	Electrical cables and insulated wires – Part 1003: Insulated wires, high temperature and fire resistant, flight critical, light weight, small diameter, (MIL-DTL-25038/3D)	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

**Heat shrinkable components**

Standard/Procedure/Version	Title of Standard or Procedure	Location
VG 95343-1:2011	Heat shrinkable components - Part 1: Summary;	A
VG 95343-2:2011	Heat shrinkable components - Part 2: Generic specification	A
VG 95343-4:2008	Heat shrinkable components - Part 4: Installation guidelines	A
VG 95343-5:2012	Heat shrinkable components - Part 5: Sleeveings without coating, detail specification	A
VG 95343-6:2009	Heat shrinkable components - Part 6: Connector endshell without inner coating, detail specification	A
VG 95343-7:2012	Heat shrinkable components - Part 7: Connector endshells without inner coating, pottable, detail specification	A
VG 95343-8:2016	Heat shrinkable components - Part 8: Transition parts without inner coating, detail specification	A
VG 95343-9:2016	Heat shrinkable components - Part 9: Branching parts without inner coating, pottable, detail specification	A
VG 95343-12:2010	Heat shrinkable components - Part 12: Sleeveings with inner coating, detail specification	A
VG 95343-14:2011	Heat shrinkable components - Part 14: Com-patibility test for component groups, requirements, tests	A
VG 95343-15:2013	Heat shrinkable components - Part 15: Adhesives, detail specification	A
VG 95343-18:2012	Heat shrinkable components - Part 18: Connector endshells with inner coating, detail specification	A
VG 95343-19:2016	Heat shrinkable components - Part 19: Branching parts with inner coating, detail specification	A
VG 95343-20:2010	Heat shrinkable components - Part 20: Connector endshells without inner coating, with inner screen, detail specification	A
VG 95343-21:2010	Heat shrinkable components - Part 21: Branching parts without inner coating, with inner shield, detail specification	A

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VG 95343-22:2009	Heat shrinkable components - Part 22: Shielding of component groups, requirements, tests, testing standard	A
VG 95343-24:2009	Heat shrinkable components - Part 24: Feed throughs without inner coatings, detail specification	A
VG 95343-25:2009	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
VG 95343-28:2017	Heat shrinkable components - Part 28: Connector endshells without inner coating, halogen-free, detail specification	A
VG 95343-29:2012	Heat shrinkable components - Part 29: Connector endshells with inner coating, halogen-free, detail specification	A
VG 95343-30:2012	Heat shrinkable components - Part 30: Transition parts with inner coating, halogen-free, detail specification	A

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**Mounting and marking parts**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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	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 95387-7:2010	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

**Testing of cables, wires and flexible cords**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN VDE 0472-1:1987-06	Testing of cables, wires and flexible cords; general	A
DIN 57472-401:1984-06	Testing of cables, wires and flexible cords; outer dimensions	A
DIN 57472-402:1984-05	Testing of insulated cables, wires and flexible cords; wall thickness and thickness of armouring	A
DIN 57472-505:1983-04	Testing of cables, wires and flexible cords; loss factor, dielectric loss coefficient and leakance	A
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 behaviour	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

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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
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 EN 50289-1-1:2001	Communication cables - Specifications for test methods - Part 1-1: Electrical test methods; General requirements	A
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

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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 EN 50289-1-11:2001	Communication cables - Specifications for test methods - Part 1-11: Electrical test methods; Characteristic impedance, input impedance, return loss;	A
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

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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
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
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

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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
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 50289-4-16:2012-11 EN 50289-4-16:2012	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
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

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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
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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
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):2003-03 EN 60230:2002 IEC 60230:1966	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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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 4589-2:2006-06 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	A
DIN EN ISO 4589-3:1996-10 EN ISO 4589-3:1996 ISO 4589-3:1996	Plastics - Determination of burning behaviour by oxygen index - Part 3: Elevated temperature test	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
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 11357-6:2013-04 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

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DIN EN ISO 1183-1:2013-04 EN ISO 1183-1:2012 ISO 1183-1:2012	Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pyknometer method and titration method	A
DIN EN ISO 1183-2:2004-10 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 pyknometer 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
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

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**V. Electromagnetic Compatibility (EMC) and Radio**  
**(Only at location A: Offenbach, Merianstrasse 28)**

**Basic standards**

Section	Standard/Procedure/Version	Title of Standard or Procedure	Restrictions
EMC	DIN EN 55016-2-1 (VDE 0877-16-2-1) 2014	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements; (CISPR 16-2-1:2014); German version EN 55016-2-1:2014	
EMC	DIN EN 55016-2-2 (VDE 0877-16-2-2) 2011	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-2: Methods of measurement of disturbances and immunity - Measurement of disturbance power; (CISPR 16-2-2:2010); German version EN 55016-2-2:2011	
EMC	DIN EN 55016-2-3 (VDE 0877-16-2-3) 2014-11	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements; (CISPR 16-2-3:2010 + A1:2010 + A2:2014); German version EN 55016-2-3:2010 + A1:2010 + AC:2013 + A2:2014	
EMC	DIN EN 55016-2-4 (VDE 0877-16-2-4) 2005-09	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-4: Methods of measurement of disturbances and immunity - Immunity measurements (IEC/CISPR 16-2-4:2003); German version EN 55016-2-4:2004	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	DIN EN 61000-4-2 (VDE 0847-4-2) 2009-12	Electromagnetic compatibility (EMC) - Teil 4-2: Testing and measurement techniques - Electrostatic discharge immunity test (IEC 61000-4-2:2008); German version EN 61000-4-2:2009	
EMC	DIN EN 61000-4-3 (VDE 0847-4-3) 2011-04	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques – Radiated, radio frequency, electromagnetic field immunity test; (IEC 61000-4-3:2006 + A1:2007 + A2:2010); German version EN 61000-4-3:2006 + A1:2008 + A2:2010	
EMC	DIN EN 61000-4-4 (VDE 0847-4-4) 2013-04	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test; (IEC 61000-4-4:2012); German version EN 61000-4-4:2012	
EMC	DIN EN 61000-4-5 (VDE 0847-4-5) 2015-03	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test; (IEC 61000-4-5:2014); German version EN 61000-4-5:2014	
EMC	DIN EN 61000-4-6 (VDE 0847-4-6) 2014-08	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields; (IEC 61000-4-6:2013); German version EN 61000-4-6:2014	
EMC	DIN EN 61000-4-8 (VDE 0847-4-8) 2010-11	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test; (IEC 61000-4-8:2009); German version EN 61000-4-8:2010	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	DIN EN 61000-4-9 (VDE 0847-4-9) 2001-12	Electromagnetic compatibility (EMC) -Part 4-9: Testing and measurement techniques - Pulse magnetic field immunity test; (IEC 61000-4-9:1993 + A1:2000); German version EN 61000-4-9:1993 + A1:2001	
EMC	DIN EN 61000-4-10 (VDE 0847-4-10) 2001-12	Electromagnetic compatibility (EMC) -Part 4-10: Testing and measurement techniques - Damped oscillatory magnetic field immunity test (IEC 61000-4-10:1993 + A1:2000); German version EN 61000-4-10:1993 + A1:2001	
EMC	DIN EN 61000-4-11 (VDE 0847 Teil 4-11) 2005-02	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests; (IEC 61000-4-11:2004); German version EN 61000-4-11:2004	
EMC	DIN EN 61000-4-12 (VDE 0847-4-12) 2007	Electromagnetic Compatibility (EMC) - Part 4-12: Testing and measurement techniques - Ring wave immunity test; (IEC 61000-4-12:2006); German version EN 61000-4-12:2006	
EMC	DIN EN 61000-4-13 (VDE 0847-4-13) 2016-10	Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a. c. power port, low frequency immunity tests; (IEC 61000-4-13:2002 + A1:2009 + A2:2015); German version EN 61000-4-13:2002 + A1:2009 + A2:2016	

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EMC	DIN EN 61000-4-14 (VDE 0847-4-14) 2010	Electromagnetic compatibility (EMC) - Part 4-14: Testing and measurement techniques - Voltage fluctuation immunity test for equipment with input current not exceeding 16 A per phase; (IEC 61000-4-14:1999 + A1:2001 + A2:2009); German version EN 61000-4-14:1999 + A1:2004 + A2:2009	
EMC	DIN EN 61000-4-16 (VDE 0847-4-169) 2016-10	Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz; (IEC 61000-4-16:2015); German version EN 61000-4-16:2016	
EMC	DIN EN 61000-4-17 (VDE 0847-4-17) 2005	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d. c. input power port immunity test; (IEC 61000-4-17:1999 + A1:2001); German version EN 61000-4-17:1999 + A1:2004	
EMC	DIN EN 61000-4-17/A2 (VDE 0847-4-17/A2) 2009-11	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d. c. input power port immunity test; (IEC 61000-4-17:1999 /A2:2008); German version EN 61000-4-17:1999/A2:2009	
EMC	DIN EN 61000-4-18 (VDE 0847-4-18) 2007-12	Electromagnetic compatibility (EMC) - Part 4-18: Testing and measurement techniques - Damped oscillatory wave immunity test; (IEC 61000-4-18:2006); German version EN 61000-4-18:2007 + Cor.:2007	
EMC	DIN EN 61000-4-18/A1 (VDE 0847-4-18/A1) 2011-04	Electromagnetic compatibility (EMC) - Part 4-18: Testing and measurement techniques - Damped oscillatory wave immunity test; (IEC 61000-4-18:2006/ A1:2010); German version EN 61000-4-18:2007/A1:2010	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	DIN EN 61000-4-19 (VDE 0847-4-19) 2015-03	Electromagnetic compatibility (EMC) - Part 4-19: Testing and measurement techniques - Test for immunity to conducted, differential mode disturbances and signalling in the frequency range 2 kHz to 150 kHz at a. c. power ports; (IEC 61000-4-19:2014); German version EN 61000-4-19:2014	No testing against disturbances (Clause 7.1)
EMC	DIN EN 61000-4-27 (VDE 0847-4-27) 2009-12	Electromagnetic compatibility (EMC) - Part 4-27: Testing and measurement techniques - Unbalance, immunity test for equipment with input current not exceeding 16 A per phase; (IEC 61000-4-27:2000 + A1:2009); German version EN 61000-4-27:2000 + A1:2009	
EMC	DIN EN 61000-4-28 (VDE 0847-4-28) 2009-12	Electromagnetic compatibility (EMC) - Part 4-28: Testing and measurement techniques - Variation of power frequency, immunity test for equipment with input current not exceeding 16 A per phase; (IEC 61000-4-28:1999 + A1:2001 + A2:2009); German version EN 61000-4-28:2000 + A1:2004 + A2:2009	
EMC	DIN EN 61000-4-29 (VDE 0847-4-29) 2001-10	Electromagnetic compatibility (EMC) - Part 4-29: Testing and measurement techniques; Voltage dips, short interruptions and voltage variations on d. c. input power port immunity tests; (IEC 61000-4-29:2000); German version EN 61000-4-29:2000	No testing at high impedance possible (Clause 6.1.2)
EMC	DIN EN 61000-4-34 (VDE 0847-4-34) 2010	Electromagnetic compatibility (EMC) - Part 4-34: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with mains current more than 16 A per phase; (IEC 61000-4-34: 2005 + A1:2009 + Cor.:2009); German version EN 61000-4-34:2007 + A1:2009	

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Section	Standard/Procedure/Version	Title of Standard or Procedure	Restrictions
EMC	DIN EN 62841-1 (VDE 0740-1) 2016-07	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 1: General requirements (IEC 62841:2014, modified + Cor. 1:2014 + Cor. 2:2015); German version EN 62841:2015 + AC:2015	Only for clause 18.8

**Generic standards**

Section	Standard/Procedure/Version	Title of Standard or Procedure	Restrictions
EMC	DIN EN 61000-6-1 (VDE 0839-6-1) 2007-10	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments; (IEC 61000-6-1:2005); German version EN 61000-6-1:2007	
EMC	DIN EN 61000-6-2 (VDE 0839-6-2) 2006-03	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments; (IEC 61000-6-2:2005); German version EN 61000-6-2:2005	
EMC	DIN EN 61000-6-3 (VDE 0839-6-3) 2011-09	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments; (IEC 61000-6-3:2006 + A1:2010); German version EN 61000-6-3:2007 + A1:2011	Measurement field strength: Only in SAC (10 m, 3 m) Table 1, Clause 1.1
EMC	DIN EN 61000-6-4 (VDE 0839-6-4) 2011-09	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments; (IEC 61000-6-4:2006 + A1:2010); German version EN 61000-6-4:2007 + A1:2011	Measurement field strength: Only in SAC (10 m, 3 m) Table 1, Clause 1.1
EMC	DIN EN 61000-6-5 (VDE 0839-6-5) 2016-07	Electromagnetic compatibility (EMC) - Part 6-5: Generic standards - Immunity for equipment used in power station and substation environment (IEC 61000-6-5:2015); German version EN 61000-6-5:	No test at 10 MHz frequency according to IEC 61000-4-18

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	IEC 61000-6-7 2014-10	Electromagnetic compatibility (EMC) -Part 6-7: Generic standards - Immunity requirements for equipment intended to perform functions in a safety-related system (functional safety) in industrial locations	
EMC	DIN EN 61000-6-7 (VDE 0839-6-7):2015-12	Electromagnetic compatibility (EMC) - Part 6-7: Generic standards - Immunity requirements for equipment intended to perform functions in a safety-related system (functional safety) in industrial locations (IEC 61000-6-7:2014); German version EN 61000-6-7:2015	

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**Product family standards**

<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	DIN EN 50065-1 (VDE 0808-1) 2012 (EN 50065-1:2011)	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 1: General requirements, frequency bands and electromagnetic disturbances; German version EN 50065-1:2011	
EMC	DIN EN 50065-2-1 (VDE 0808-2-1) 2006 (EN 50065-2-1:2003)	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 2-1: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and intended for use in residential, commercial and light industrial environments; German version EN 50065-2-1:2003 + Corrigendum 2003 + A1:2005	
EMC	DIN EN 50065-2-2 (VDE 0808-2-2) 2006 (EN 50065-2-2:2003)	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 2-2: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and intended for use in industrial environments; German version EN 50065-2-2:2003 + Corrigendum 2003 + A1:2005	
EMC	DIN EN 50065-2-3 (VDE 0808-2-3) 2006 (EN 50065-2-3:2003 + A1:2005)	Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz - Part 2-3: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 3 kHz to 95 kHz and intended for use by electricity suppliers and distributors; German version EN 50065-2-3:2003 + Corrigendum: 2003 + A1:2005	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	DIN EN 50083-2 (VDE 0855-200) 2012-08	Cable networks for television signals, sound signals and interactive services - Part 2: Electromagnetic compatibility for equipment; German version EN 50083-2:2012 + Corrigendum:2014-11	
EMC	DIN EN 50083-2:2016	Cable networks for television signals, sound signals and interactive services - Part 2: Electromagnetic compatibility for equipment; German version EN 50083-2:2012 + A1:2015	
EMC	DIN EN 50090-2-2 (VDE 0829-2-2) 2007-11	Home and Building Electronic Systems (HBES) - Part 2-2: System overview – General technical requirements; General version EN 50090-2-2:1996 + Corrigendum:1997 + A1:2002 + A2:2007	
EMC	DIN EN 60669-2-5 (VDE 0632-2-5) 2017-05	Switches for household and similar fixed electrical installations - Part 2-5: Particular requirements - Switches and related accessories for use in home and building electronic systems (HBES); (IEC 60669-2-5:2013, modified); German version EN 60669-2-5:2016	Only Chapter 26
EMC	DIN EN 62040-2 (VDE 0558-520) 2006-07	Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements; (IEC 62040-2:2005); German version EN 62040-2:2006	
EMC	DIN EN 50121-2 (VDE 0115-121-2) 2017-01	Railway applications - Electromagnetic compatibility - Part 2: Emission of the whole railway system to the outside world; German version EN 50121-2:2015	
EMC	DIN EN 50121-3-2 (VDE 0115-121-3-2) 2016-01	Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock – Apparatus; German version EN 50121-3-2:2015	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	DIN EN 50121-3-2:2017	Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock – Apparatus; German version EN 50121-3-2:2016	
EMC	DIN EN 50121-4 (VDE 0115-121-4) 2016-01	Railway applications - Electromagnetic compatibility - Part 4: Emission and immunity of the signalling and telecommunications apparatus; German version EN 50121-4:2015	
EMC	DIN EN 50121-4:2017	Railway applications - Electromagnetic compatibility - Part 4: Emission and immunity of the signalling and telecommunications apparatus; German version EN 50121-4:2016	
EMC	DIN EN 50121-5 (VDE 0115-121-5) 2016-01	Railway applications - Electromagnetic compatibility - Part 5: Emission and immunity of fixed power supply installations and apparatus; German version EN 50121-5:2015	
EMC	DIN EN 50121-5 (VDE 0115-121-5) 2017-11	Railway applications - Electromagnetic compatibility - Part 5: Emission and immunity of fixed power supply installations and apparatus; German version EN 50121-5:2017	
EMC	DIN EN 50130-4 (VDE 0830-1-4) 2015-04	Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems; German version EN 50130-4:2011 + A1:2014	
EMC	DIN EN 50148 1996 EN 50148 1995	Electronic taximeters; German version EN 50148:1995	

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EMC	DIN EN 50270 (VDE 0843-30) 2007-05	Electromagnetic compatibility - Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen; German version EN 50270:2007	
EMC	DIN EN 50293 (VDE 0832-200) 2013-02	Road traffic signal systems – Electromagnetic compatibility; German version EN 50293:2012	
EMC	DIN EN 50370-1 (VDE 0875-370-1) 2006-02	Electromagnetic compatibility (EMC) – Product family standard for machine tools - Part 1: Emission; German version EN 50370-1:2005 + Corrigendum:2010-07	
EMC	DIN EN 50370-2 (VDE 0875-370-2) 2003-09	Electromagnetic compatibility (EMC) – Product family standard for machine tools - Part 2: Immunity; German version EN 50370-2:2003	
EMC	DIN EN 50428 (VDE 0632-400) 2010-02	Switches for household and similar fixed electrical installations - Collateral standard - Switches and related accessories for use in home and building electronic systems (HBES); German version EN 50428:2005 + A1:2007 + A2:2009	
EMC	DIN EN 55011 (VDE 0875-11) 2011-04	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement; (IEC/CISPR 11:2009, modified + A1:2010); German version EN 55011:2009 + A1:2010	
EMC	DIN EN 55011 (VDE 0875-11) 2018-05	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement; (CISPR 11:2015, modified + A1:2017); German version EN 55011:2016 + A1:2017	

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EMC	IEC/CISPR 11 2015 + AMD1:2016	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement	
EMC	DIN EN 55012 (VDE 0879-1) 2010-04	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers; (IEC/CISPR 12:2007 + A1:2009); German version EN 55012:2007 + A1:2009	
EMC	DIN EN 55013 (VDE 0872-13) 2013-10	Sound and television broadcast receivers and associated equipment -Radio disturbance characteristics - Limits and methods of measurement; (CISPR 13:2009, modified); German version EN 55013:2013	Only field strength measurement and radio disturbance (Clause 5.3, 5.7, 5.8)
EMC	CISPR 13 2009	Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement	Only field strength measurement and radio disturbance (Clause 5.3, 5.7, 5.8)
EMC	DIN EN 55013 (VDE 0872-13) 2017-03	Sound and television broadcast receivers and associated equipment -Radio disturbance characteristics - Limits and methods of measurement; (CISPR 13:2009, modified + AMD1:2015, modified); German version EN 55013:2013 + A1:2016	Only field strength measurement and radio disturbance (Clause 5.3, 5.7, 5.8)
EMC	DIN EN 55014-1 (VDE 0875-14-1) 2012-05	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission; (CISPR 14-1:2005 + A1:2008 + Cor.:2009 + A2:2011); German version EN 55014-1:2006 + A1:2009 + A2:2011	Measurement field strength: Only in SAC (10 m, 3 m) (Clause 9)

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EMC	EN 55014-1:2017-04	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission; (CISPR 14-1:2016 + COR1:2016)	Measurement field strength: Only in SAC (10 m, 3 m) (Clause 9)
EMC	DIN EN 55014-2 (VDE 0875-14-2) 2016-01	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard; (IEC/ CISPR 14-2:1997 + A1:2001 + A2:2008); German version EN 55014-2:1997 + Corrigendum:1997 + A1:2001 + A2:2008	
EMC	DIN EN 55015 (VDE 0875-15-1) 2016-04	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment; (CISPR 15:2013 + IS1:2013 + IS2:2013); German version EN 55015:2013 + Supplementary page 1 + 2:2014-12	
EMC	CISPR 15:2018-05	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	
EMC	DIN EN 55020 (VDE 0872-20/A1) 2012-06	Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement; (IEC/CISPR 20:2006); German version EN 55020:2007 + A11 (A1):2012-06	
EMC	DIN EN 55022 (VDE 0878-22) 2011-12	Information technology equipment – Radio disturbance characteristics - Limits and methods of measurement; (CISPR 22:2008, modified); German version EN 55022:2010	
EMC	CISPR 22 2008	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement	

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EMC	DIN EN 55024 (VDE 0878-24) 2011-09	Information technology equipment – Immunity characteristics - Limits and methods of measurement; (CISPR 24:2010); German version EN 55024:2010	
EMC	DIN EN 55024 (VDE 0878-24) 2016-05	Information technology equipment – Immunity characteristics - Limits and methods of measurement; (CISPR 24:2010 + Cor.:2011 + A1:2015); German version EN 55024:2010 + A1:2015	
EMC	DIN EN 55032 (VDE 0878-32) 2016-02	Electromagnetic compatibility of multimedia equipment - Emission requirements; (CISPR 32:2012 + Cor.1:2012 + Cor.2:2012); German version EN 55032:2012 + Corrigendum:2013-04	No OATS available
EMC	DIN EN 55035 (VDE 0878-35) 2018-04	Electromagnetic compatibility of multimedia equipment - Immunity requirements (CISPR 35:2016, modified); German version EN 55035:2017)	No test on XDSL connection of CPE equipment
EMC	DIN EN 55103-1 (VDE 0875-103-1) 2013-11	Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use - Part 1: Emissions; German version EN 55103-1:2009 + A1:2012	
EMC	DIN EN 55103-2 (VDE 0875-103-2) 2010-07	Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use - Part 2: Immunity; German version EN 55103-2:2009	
EMC	DIN EN 60034-1 (VDE 0530-1) 2011-02	Rotating electrical machines - Part 1: Rating and performance; (IEC 60034-1:2010, modified); German version EN 60034-1:2010 + Cor.:2010	only chapter 13

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EMC	IEC 60034-1:2010	Rotating electrical machines - Part 1: Rating and performance	only chapter 13
EMC	DIN EN 60204-31 (VDE 0113-31) 2014-03	Safety of machinery - Electrical equipment of machines - Part 31: Particular safety and EMC requirements for sewing machines, units and systems; (IEC 60204-31:2013); German version EN 60204-31:2013	only annex AA
EMC	DIN EN 60669-2-1 (VDE 0632-2-1) 2010-03	Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches	only chapter 26
EMC	IEC 60669-2-1 2002 + A1:2008	Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches	only chapter 26
EMC	DIN EN 60669-2-2 (VDE 0632-2-2) 2007-05	Switches for household and similar fixed electrical installations - Part 2-1: Particular requirements - Electronic switches; (IEC 60669-2-2:2006); German version EN 60669-2-2:2006	only chapter 26
EMC	DIN EN 60669-2-3 (VDE 0632-2-3) 2007-05	Switches for household and similar fixed electrical installations - Part 2-3: Particular requirements - Time delay switches (TDS); (IEC 60669-2-3:2006); German version EN 60669-2-3:2006	only chapter 26
EMC	IEC 60669-2-5 2013-10	Switches for household and similar fixed electrical installations - Part 2-5: Particular requirements - Switches and related accessories for use in home and building electronic systems (HBES)	only chapter 26
EMC	DIN EN 60730-1 (VDE 0631-1) 2012-10	Automatische elektrische Regel- und Steuergeräte für den Hausgebrauch und ähnliche Anwendungen - Teil 1: Allgemeine Anforderungen (IEC 60730-1:2010, modifiziert); Deutsche Fassung EN 60730-1:2011	only chapter 23 and 26

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EMC	DIN EN 60730-1 (VDE 0631-1) 2017-05	Automatische elektrische Regel- und Steuergeräte - Teil 1: Allgemeine Anforderungen (IEC 60730-1:2013, modifiziert + COR1:2014); Deutsche Fassung EN 60730-1:2016	only chapter 23 and 26
EMC	IEC 60730-1 2010	Automatic electrical controls for household and similar use - Part 1: General requirements	only chapter 23 and 26
EMC	DIN EN 60730-2-5 (VDE 0631-2-5) 2015-10	Automatic electrical controls for household and similar use - Part 2-5: Particular requirements for automatic electrical burner control systems; (IEC 60730-2-5:2013, modified); German version EN 60730-2-5:2015	only chapter 23 and 26
EMC	IEC 60730-2-5 2000 + A1:2004 + A2:2008	Automatic electrical controls for household and similar use - Part 2-5: Particular requirements for automatic electrical burner control systems	only chapter 23 and 26
EMC	IEC 60730-2-5:2013-11	Automatic electrical controls – Part 2-5: Particular requirements for automatic electrical burner control systems	only chapter 23 and 26
EMC	DIN EN 60730-2-6 (VDE 0631-2-6) 2009-04	Automatic electrical controls for household and similar use - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements; (IEC 60730-2-6:2007, modified); German version EN 60730-2-6:2008	only chapter 23 and 26

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EMC	DIN EN 60730-2-6 (VDE 0631-2-6) 2017-05	Automatic electrical controls for household and similar use - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (IEC 60730-2-6:2015); German version EN 60730-2-6:2016	only chapter 23 and 26
EMC	IEC 60730-2-6 2007	Automatic electrical controls for household and similar use - Part 2-6: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements	only chapter 23 and 26
EMC	DIN EN 60730-2-7 (VDE 0631-2-7) 2011-06	Automatic electrical controls for household and similar use - Part 2-7: Particular requirements for timers and time switches; (IEC 60730-2-7:2008, modified); German version EN 60730-2-7:2010	only chapter 23 and 26
EMC	IEC 60730-2-7 2008	Automatic electrical controls for household and similar use - Part 2-7: Particular requirements for timers and time switches	only chapter 23 and 26
EMC	DIN EN 60730-2-8 (VDE 0631-2-8) 2004-08	Automatic electrical controls for household and similar use - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements; (IEC 60730-2-8:2000, modified + A1:2002, modified); German version EN 60730-2-8:2002 + A1:2003	only chapter 23 and 26
EMC	IEC 60730-2-8 2000 + A1:2002	Automatic electrical controls for household and similar use - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements	only chapter 23 and 26

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EMC	DIN EN 60730-2-9 (VDE 0631-2-9) 2011-07	Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls; (IEC 60730-2-9:2008, modified); German version EN 60730-2-9:2010	only chapter 23 and 26
EMC	IEC 60730-2-9 2008	Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls	only chapter 23, 26 and Annex H.23, H.26
EMC	DIN EN 60730-2-11 (VDE 0631-2-11) 2008-09	Automatic electrical controls for household and similar use - Part 2-11: Particular requirements for energy regulators; (IEC 60730-2-11:2006); German version EN 60730-2-11:2008	only chapter 23, 26 and Annex H.23, H.26
EMC	DIN EN 60730-2-13 (VDE 0631-2-13) 2008-09	Automatic electrical controls for household and similar use - Part 2-13: Particular requirements for humidity sensing controls; (IEC 60730-2-13:2006, modified); German version EN 60730-2-13:2008	only chapter 23, 26 and Annex H.23, H.26
EMC	IEC 60730-2-13 2006	Automatic electrical controls for household and similar use - Part 2-13: Particular requirements for humidity sensing controls	only chapter 23, 26 and Annex H.23, H.26
EMC	DIN EN 60730-2-14 (VDE 0631-2-14) 2009-06	Automatic electrical controls for household and similar use - Part 2-14: Particular requirements for electric actuators; (IEC 60730-2-14:1995, modified + A1:2001 + A2:2007, modified); German version EN 60730-2-14:1997 + A1:2001 + A11:2005 + A2:2008	only chapter 23, 26 and Annex H.26
EMC	IEC 60730-2-14 1995 + A1:2001 + A2:2007	Automatic electrical controls for household and similar use - Part 2-14: Particular requirements for electric actuators	only chapter 23, 26 and Annex H.26

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EMC	DIN EN 60730-2-15 (VDE 0631-2-15) 2011-02	Automatic electrical controls - Part 2-15: Particular requirements for automatic electrical air flow, water flow and water level sensing controls; (IEC 60730-2-15:2008, modified); German version EN 60730-2-15:2010	only chapter 23, 26 and Annex H.23, H.26
EMC	IEC 60730-2-15 2008	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	only chapter 23, 26 and Annex H.23, H.26
EMC	DIN EN 60945 2003-07	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results; (IEC 60945:2002); German version EN 60945:2002	only chapter 4.5.1, 9 and 10
EMC	DIN EN 60947-1 (VDE 0660-100) 2011-10	Low-voltage switchgear and controlgear - Part 1: General rules; (IEC 60947-1:2007 + A1:2010); German version EN 60947-1:2007 + A1:2011	only chapter 7.3 and 8.4
EMC	DIN EN 60947-1 (VDE 0660-100) 2015-09	Low-voltage switchgear and controlgear - Part 1: General rules; (IEC 60947-1:2007 + A1:2010 + A2:2014); German version EN 60947-1:2007 + A1:2011 + A2:2014	only chapter 7.3 and 8.4
EMC	DIN EN 60947-2 (VDE 0660-101) 2014-01	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers; (IEC 60947-2:2006 + A1:2009 + A2:2013); German version EN 60947-2:2006 + A1:2009 + A2:2013	only chapter 7.3 and Annex B.7.3, B.8.12, F.4, F.5, J, M.8.7, M8.16, N
EMC	DIN EN 60947-2 (VDE 0660-101) 2018-05	Low-voltage switchgear and controlgear - Part 2: Circuit-breakers; (IEC 60947-2:2016 + COR1:2016); German version EN 60947-2:2017	only chapter 7.3 and Annex B.7.3, B.8.12, F.4, F.5, J, M.8.7, M8.16, N

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EMC	DIN EN 60947-3 (VDE 0660-107) 2012-12	Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch disconnectors and fuse-combination units; (IEC 60947-3:2008 + A1:2012); German version EN 60947-3:2009 + A1:2012 + Corrigendum:2015-03	only chapter 7.3 and 8.4
EMC	DIN EN 60947-3 (VDE 0660-107) 2017-02	Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch disconnectors and fuse-combination units; (IEC 60947-3:2008 + A1:2012 + A2:2015); German version EN 60947-3:2009 + A1:2012 + A2:2015	only chapter 7.3 and 8.4
EMC	DIN EN 60947-4-1 (VDE 0660-102) 2014-02	Low-voltage switchgear and controlgear - Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters; (IEC 60947-4-1:2009 + A1:2012); German version EN 60947-4-1:2010 + A1:2012	only chapter 8.3, 9.4
EMC	DIN EN 60947-4-2 (VDE 0660-117) 2013-05	Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters; (IEC 60947-4-2:2011 + Cor.:2012); German version EN 60947-4-2:2012	only chapter 8.3, 9.3.5
EMC	DIN EN 60947-4-3 (VDE 0660-109) 2015-04	Low-voltage switchgear and controlgear - Part 4-3: Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads; (IEC 60947-4-3:2014); German version EN 60947-4-3:2014	only chapter 8.3, 9.4
EMC	DIN EN 60947-5-1 (VDE 0660-200) 2010-04	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices; (IEC 60947-5-1:2003 + A1:2009); German version EN 60947-5-1:2004 + Cor.:2005 + A1:2009	only chapter 7.3, Annex H.7.4, H.8.7

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EMC	DIN EN 60947-5-1 (VDE 0660-200) 2018-03	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices; (IEC 60947-5-1:2016 + Cor1:2016); German version EN 60947-5-1:2017	only chapter 7.2.6, 8.6
EMC	DIN EN 60947-5-2 (VDE 0660-208) 2014-01	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches; (IEC 60947-5-2:2007 + A1:2012); German version EN 60947-5-2:2007 + A1:2012	only chapter 7.2.6, 8.6
EMC	DIN EN 60947-5-6 (VDE 0660 Part 212) 2000-12	Low-voltage switchgear and controlgear - Part 5-6: Control circuit devices and switching elements, DC interface for proximity sensors and switching amplifiers (NAMUR); (IEC 60947-5-6:1999); German version EN 60947-5-6:2000	only chapter 7.2.6, 8.6, Annex E
EMC	DIN EN 60947-5-7 (VDE 0660 Part 213) 2004-06	Low-voltage switchgear and controlgear - Part 5-7: Control circuit devices and switching elements - Requirements for proximity devices with analogue output; (IEC 60947-5-7:2003); German version EN 60947-5-7:2003	only chapter 7.8.6
EMC	DIN EN 60947-6-1 (VDE 0660-114) 2014-09	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment; (IEC 60947-6-1:2005 + A1:2013); German version EN 60947-6-1:2005 + A1:2014	only chapter 8.6, 9.5
EMC	DIN EN 60947-6-2 (VDE 0660-115) 2007-12	Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment – Control and protective switching devices (or equipment) (CPS); (IEC 60947-6-2:2002 + A1:2007); German version EN 60947-6-2:2003 + A1:2007	only chapter 8.3, 9.3.5

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EMC	DIN EN 60947-8 (VDE 0660-302) 2013-07	Low-voltage switchgear and controlgear - Part 8: Control units for built-in thermal protection (PTC) for rotating electrical machines; (IEC 60947-8:2003 + A1:2006 + A2:2011); German version EN 60947-8:2003 + A1:2006 + A2:2012	only chapter 8.3, 9.4
EMC	DIN EN 60974-10 (VDE 0544-10) 2008-09	Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements; (IEC 60974-10:2007); German version EN 60974-10:2007	
EMC	DIN EN 61000-3-2 (VDE 0838-2) 2015-03	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase); (IEC 61000-3-2:2014); German version EN 61000-3-2:2014	
EMC	IEC 61000-3-2:2018	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current $< 16$ A per phase)	
EMC	DIN EN 61000-3-3 (VDE 0838-3) 2014-03	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16$ A per phase and not subject to conditional connection; (IEC 61000-3-3:2013); German version EN 61000-3-3:2013	
EMC	DIN EN 61000-3-11 (VDE 0838 Teil 11) 2001-04	Electromagnetic compatibility (EMC) - Part 3-11: Limits; Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems; Equipment with rated current $\leq 75$ A and subject to conditional connection; (IEC 61000-3-11:2000); German version EN 61000-3-11:2000	

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EMC	IEC 61000-3-11:2017-04	Electromagnetic compatibility (EMC) - Part 3-11: Limits; Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems; Equipment with rated current $\leq 75$ A and subject to conditional connection	
EMC	DIN EN 61000-3-12 (VDE 0838-12) 2012-06	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current $> 16$ A and $\leq 75$ A per phase; (IEC 61000-3-12:2011); German version EN 61000-3-12:2011	
EMC	DIN EN 61008-1 (VDE 0664-10) 2013-08	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules; (IEC 61008-1:2010, modified); German version EN 61008-1:2012	only chapter 8.17, 9.24
EMC	DIN EN 61008-1 (VDE 0664-10) 2018-03	Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules; (IEC 61008-1:2010, modified + A1:2012, modified + A1:2012/COR1:2016 + A2:2013, modified + A2:2013/Cor.:2014); German version EN 61008-1:2012 + A1:2014 + A1:2014/AC:2016 + A2:2014 + A11:2015 + A12:2017	only chapter 8.17, 9.24
EMC	DIN EN 61009-1 (VDE 0664-20) 2013-08	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) -Part 1: General rules; (IEC 61009-1:2010, modified); German version EN 61009-1:2012 + A14:2013-01 + Corrigendum:2013-04	only chapter 8.17, 9.24

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EMC	DIN EN 61009-1 (VDE 0664-20):2016-10	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) -Part 1: General rules; (IEC 61009-1:2010, modified + A1:2012, modified + A1:2012/Cor.:2012 + A2:2013, modified + A2:2013/Cor.:2014); German version EN 61009-1:2012 + A1:2014 + A2:2014 + A11:2015 + A12:2016	only chapter 8.17, 9.24
EMC	IEC 61009-1 2010	Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules	only chapter 8.17, 9.24
EMC	DIN EN 61131-2 (VDE 0411-500) 2008-04	Programmable controllers - Part 2: Equipment requirements and tests; (IEC 61131-2:2007); German version EN 61131-2:2007 + Corrigendum:2009-01	only chapter 8, 9, (10)
EMC	DIN EN 61204-3 (VDE 0557 Part 3) 2001-10	Low voltage power supplies, d. c. output - Part 3: Electromagnetic compatibility (EMC) - Product standard; (IEC 61204-3:2000); German version EN 61204-3:2000	
EMC	DIN EN 61326-1 (VDE 0843-20-1) 2013-07	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements; (IEC 61326-1:2012); German version EN 61326-1:2013	
EMC	DIN EN 61326-2-1 (VDE 0843-20-2-1) 2013-08	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications; (IEC 61326-2-1:2012); German version EN 61326-2-1:2013	

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EMC	DIN EN 61326-2-2 (VDE 0843-20-2-2) 2013-08	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems; (IEC 61326-2-2:2012); German version EN 61326-2-2:2013	
EMC	DIN EN 61326-2-3 (VDE 0843-20-2-3) 2013-07	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning; (IEC 61326-2-3:2012); German version EN 61326-2-3:2013	
EMC	DIN EN 61326-2-4 (VDE 0843-20-2-4) 2013-07	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9; (IEC 61326-2-4:2012); German version EN 61326-2-4:2013	
EMC	DIN EN 61326-2-5 (VDE 0843-20-2-5) 2013-08	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1; (IEC 61326-2-5:2012); German version EN 61326-2-5:2013	

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EMC	DIN EN 61326-2-6 (VDE 0843-20-2-6) 2013-09	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment; (IEC 61326-2-6:2012); German version EN 61326-2-6:2013	
EMC	DIN EN 61543 (VDE 0664-30) 2006-06	Residual current-operated protective devices (RCD's) for household and similar use – Electromagnetic compatibility; (IEC 61543:1995 + A2:2005); German version EN 61543:1995 + Corrigendum997 + A11:2003 + Corrigendum 2004 + A12:2005 + A2:2006 + Corrigendum:2007-06	
EMC	DIN EN 61547 (VDE 0875-15-2) 2010-03	Equipment for general lighting purposes - EMC immunity requirements; (IEC 61547:2009); German version EN 61547:2009 + Corrigendum:2010-07	
EMC	DIN EN 61800-3 (VDE 0160-103) 2012-09	Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods; (IEC 61800-3:2004 + A1:2011); German version EN 61800-3:2004 + A1:2012 + Corrigendum:2014-02	
EMC	DIN EN 62606 (VDE 0665-10) 2014-08	General requirements for arc fault detection devices	Only clauses 9.1.1, 9.2.1, Annex A
EMC	DIN EN 12015 2014-09	Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks – Emission; German version EN 12015:2014	
EMC	DIN EN 12016 2013-12	Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks – Immunity; German version EN 12016:2013	

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EMC	DIN EN 12895 (VDE 0117-895) 2015	Industrial trucks - Electromagnetic compatibility; German version EN 12895:2015	
EMC	DIN EN 13309 2010-12	Construction machinery – Electromagnetic compatibility of machines with internal power supply; German version EN 13309:2010	
EMC	DIN EN 13241-1 2011-06	Industrial, commercial and garage doors and gates - Product standard - Part 1: Products without fire resistance or smoke control characteristics; German version EN 13241-1:2003 + A1:2011	
EMC	DIN EN 14010 2009-12	Safety of machinery - Equipment for power driven parking of motor vehicles - Safety and EMC requirements for design, manufacturing, erection and commissioning stages; German version EN 14010:2003 + A1:2009	
EMC	DIN EN ISO 14982 2009-12	Agricultural and forestry machines – Electromagnetic compatibility - Test methods and acceptance criteria; (ISO 14982:1998); German version EN ISO 14982:2009	
EMC	DIN EN 50165 (VDE 0700 Teil 450) 2001-08	Electrical equipment of non-electric appliances for household and similar purposes - Safety requirements; German version EN 50165:1997 + A1:2001 + Corrigendum February 1998	
EMC	DIN EN 60335-1 (VDE 0700-1) 2012-10	Household and similar electrical appliances - Safety - Part 1: General requirements; (IEC 60335-1:2010, modified); German version EN 60335-1:2012 + Corrigendum:2014-04 + Corrigendum:2014-11	only chapter 19.11.4 and clause 22.5 in relation to 19.11.4

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EMC	IEC 60335-1 2010	Household and similar electrical appliances - Safety -Part 1: General requirements	Clause 19.11.4 and clause 22.5 in relation to 19.11.4
EMC	DIN EN 60255-26 (VDE 0435-320) 2014-03	Measuring relays and protection equipment - Part 26: Electromagnetic compatibility requirements; (IEC 60255-26:2013); German version EN 60255-26:2013 + AC:2013 + Corrigendum:2014-12 + Corrigendum:2015-06	
EMC	DIN EN 50295 1999-10	Low-voltage switchgear and controlgear - Controller and device interface systems - Actuator Sensor Interface (AS-i); German version EN 50295:1999	only chapter 8.6
EMC	DIN EN 62026-2 (VDE 0660-2026-2) 2015-03	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface (AS-i); (IEC 62026-2:2008, modified); German version EN 62026-2:2013	only chapter 8.6
EMC	IEC 62026-2 2008	Low-voltage switchgear and controlgear - Controller-device interfaces (CDIs) - Part 2: Actuator sensor interface	only chapter 8.6
EMC	DIN EN 50412-2-1 (VDE 0808-121) 2006-04	Power line communication apparatus and systems used in low-voltage installations in the frequency range 1,6 MHz to 30 MHz - Part 2-1: Residential, commercial and industrial environment - Immunity requirements; German version EN 50412-2-1:2005	Only tables 1 - 9
EMC	DIN EN 50490 (VDE 0161-106) 2009-04	Electrical installations for lighting and beaconing of aerodromes - Technical requirements for aeronautical ground lighting control and monitoring systems - Units for selective switching and monitoring of individual lamps; German version EN 50490:2008	only chapter 7.6

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EMC	DIN EN 50491-5-1 (VDE 0849-5-1) 2010-11	General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-1: EMC requirements, conditions and test set-up; German version EN 50491-5-1:2010	
EMC	IEC 63044-5-1:2017-01	Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-1: EMC requirements, conditions and test set-up	
EMC	DIN EN 50491-5-2 (VDE 0849-5-2) 2010-11	General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment; German version EN 50491-5-2:2010	
EMC	IEC 63044-5-2:2017-01	Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments	
EMC	DIN EN 50491-5-3 (VDE 0849-5-3) 2010-11	General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) - Part 5-3: EMC requirements for HBES/BACS used in industry environment; German version EN 50491-5-3:2010	
EMC	IEC 63044-5-3:2017-01	Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 5-3: EMC requirements for HBES/BACS used in industrial environments	

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EMC	DIN EN 50498 (VDE 0879-498) 2011-04	Electromagnetic compatibility (EMC) - Product family standard for aftermarket electronic equipment in vehicles; German version EN 50498:2010	
EMC	DIN EN 50512 (VDE 0161-110) 2009-12	Electrical installations for lighting and beaconing of aerodromes - Advanced Visual Docking Guidance Systems (A-VDGS); German version EN 50512:2009	only chapter 4.2.3
EMC	DIN EN 50529-1 (VDE 0878-529-1) 2011-11	EMC Network Standard - Part 1: Wire-line telecommunications networks using telephone wires; German version EN 50529-1:2010	
EMC	DIN EN 50529-2 (VDE 0878-529-2) 2011-11	EMC Network Standard - Part 2: Wire-line telecommunications networks using coaxial cables; German version EN 50529-2:2010	
EMC	DIN EN 60870-2-1 1997-07	Telecontrol equipment and systems; part 1: general considerations; section 2: guide for specifications; (IEC 60870-2-1:1995); German version EN 60870-2-1:1996	
EMV	DIN EN 60947-5-3 (VDE 0660-214) 2014-12	Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDb); (IEC 60947- 5-3:2013); German version EN 60947-5- 3:2013	only chapter 7.3.3, 8.6
EMC	DIN EN 60947-5-9 (VDE 0660-216) 2008-06	Low-voltage switchgear and controlgear - Part 5-9: Control circuit devices and switching elements - Flow rate switches; (IEC 60947-5-9:2006); German version EN 60947-5-9: 2007	only chapter 7.2.6, 8.5

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EMC	DIN EN 61326-3-1 (VDE 0843-20-3-1) 2008-11	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) – General industrial applications; (IEC 61326-3-1:2008); German version EN 61326-3-1:2008 + Corrigendum:2009-04	
EMC	DIN EN 61326-3-1 (VDE 0843-20-3-1) 2018-04	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) – General industrial applications; (IEC 61326-3-1:2017); German version EN 61326-3-1:2017	
EMV	DIN EN 61326-3-2 (VDE 0843-20-3-2) 2008-11	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-2: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) – Industrial applications with specified electromagnetic environment; (IEC 61326-3-2:2008); German version EN 61326-3-2:2008	
EMC	DIN EN 61851-21 (VDE 0122-2-1) 2002	Electric vehicle conductive charging system - Part 21: Electric vehicle requirements for conductive connection to an a. c./d. c. supply; (IEC 61851-21:2001); German version EN 61851-21:2002	only chapter 9

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EMC	DIN EN 61851-21-1 (VDE 0122-2-1-1) 2017-09	Electric vehicle conductive charging systems - Part 21-1: Electric vehicle onboard charger EMC requirements for conductive connection to an a. c./d. c. supply (IEC 61851-21-1:2017); German version EN 61851-21-1:2017 + AC:2017	
EMC	DIN EN 61851-22 (VDE 0122-2-2) 2002	Electrical equipment of electric road vehicles - Electric vehicles conductive charging system - Part 2-2: AC electric vehicle charging station; (IEC 61851-22:2001); Deutsche Fassung EN 61851-22:2002	only chapter 11.3
EMC	IEC 61851-21-2:2018-04	Electric vehicle conductive charging system - Part 21-2: Electric vehicle requirements for conductive connection to an AC/DC supply - EMC requirements for off board electric vehicle charging systems	
EMC	DIN EN 61851-23 (VDE 0122-2-3) 2014-11	Electric vehicle conductive charging system - Part 23: DC electric vehicle charging station; (IEC 61851-23:2014); German version EN 61851-23:2014	only chapter 11.12
EMC	DIN EN 61439-1 (VDE 0660-600-1) 2012-06	Low-voltage switchgear and controlgear assemblies - Part 1: General rules; (IEC 61439-1:2011); German version EN 61439-1:2011 + Supplementary Page:2014-06	only chapter 9.4, 10.6.2, Annex J
EMC	DIN EN 61439-2 (VDE 0660-600-2) 2012-06	Low-voltage switchgear and controlgear assemblies - Part 2: Power switchgear and controlgear assemblies; (IEC 61439-2:2011); German version EN 61439-2:2011	only chapter 9,4 10.12, Annex J
EMC	DIN EN 62020 (VDE 0663) 2005-11	Electrical accessories - Residual current monitors for household and similar uses (RCMs); (IEC 62020:1998 + A1:2003, modified); German version EN 62020:1998 + A1:2005	only chapter 8.18, 9.22

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	IEC 62020:1998 A1:2003	Electrical accessories - Residual current monitors for household and similar uses (RCMs)	only chapter 8.18, 9.22
EMC	DIN EN 62026-1 (VDE 0660-2026-1) 2008-05	Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) - Part 1: General rules; (IEC 62026-1:2007); German version EN 62026-1:2007	only chapter 8.2, 9.3
EMC	DIN EN 62026-3 (VDE 0660-2026-3) 2010-02	Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) - Part 3: DeviceNet; (IEC 62026-3:2008); German version EN 62026-3:2009	only chapter 9.2.10
EMC	DIN EN 62026-3 (VDE 0660-2026-3) 2016-04	Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) - Part 3: DeviceNet; (IEC 62026-3:2014 + COR1:2015); German version EN 62026-3:2015	only chapter 9.2.10
EMC	DIN EN 62135-2 (VDE 0545-2) 2008-11	Resistance welding equipment - Part 2: Electromagnetic compatibility (EMC) requirements	
EMC	DIN EN 62135-2 (VDE 0545-2) 2015-11	Resistance welding equipment - Part 2: Electromagnetic compatibility (EMC) requirements (IEC 62135-2:2015); Deutsche Fassung EN 62135-2:2015	
EMC	DIN EN 62310-2 (VDE 0558-310-2) 2007-11	Static Transfer Systems (STS) - Part 2: Electromagnetic compatibility (EMC) requirements; (IEC 62135-2:2007); German version EN 62135-2:2008	
EMC	IEC 62310-2 2006	Static Transfer Systems (STS) - Part 2: Electromagnetic compatibility (EMC) requirements; (IEC 62310-2:2006, modified); German version EN 62310-2:2007	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Restrictions</b>
EMC	FNN Guideline 2011	Guideline for the evaluation of reliability and measurement stability and accessory components	only chapter 3.5, 3.6 and 3.7
EMC	FNN Guideline 2017-02-10	Guideline for the evaluation of reliability and measurement stability and accessory components	only chapter 3.6

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**EMC and TK Telecommunication (R&TTE Clause 3.1 b)**

<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMC	ETSI EN 300 386 V1.6.1 2012-09	Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; Electromagnetic Compatibility (EMC) requirements	
EMC	ETSI EN 301 489-1 V1.9.2 2011-09	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	
EMC	ETSI EN 301 489-1 V2.1.1 2017-02	Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU	
EMC	ETSI EN 301 489-13 V1.2.1 2002-08	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 13: Specific conditions for Citizens' Band (CB) radio and ancillary equipment (speech and non-speech)	
EMC	ETSI EN 301 489-15 V1.2.1 2002-08	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 15: Specific conditions for commercially available amateur radio equipment	
EMC	ETSI EN 301 489-17 V2.2.1 2012-09	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems	

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EMC	ETSI EN 300 489-17 V 3.1.1 2017-02	Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	
EMC	ETSI EN 301 489-2 V1.3.1 2002-08	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 2: Specific conditions for radio paging equipment	
EMC	ETSI EN 301 489-3 V2.1.0 2016-09	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	
EMC	ETSI EN 301 489-3 V2.1.1 2017-03	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	
EMC	ETSI EN 301 489-34 V1.4.1 2013-05	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMC	ETSI EN 301 489-34 V2.1.1 2017-04	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones; Harmonised Standard covering the essential requirements of article 6 of Directive 2014/30/EU	
EMC	ETSI EN 301 489-5 V1.3.1 2002-08	and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech)	
EMC	ETSI EN 301 489-5 V2.1.1 2016-11	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA); Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU	No TETRA equipment
EMC	ETSI EN 301 489-7 V1.3.1 2005-11	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMC	ETSI EN 301 489-9 V1.4.1 2007-11	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices	

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**TK Telecommunication (R&TTE Clause 3.2)**

<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
TK	ETSI EN 300 220-2 V2.4.1 2012-05	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive	
TK	ETSI EN 300 220-2 V3.2.1 2018-06	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for non specific radio equipment	
TK	ETSI EN 300 328 V1.9.1 2015-02	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	
TK	ETSI EN 300 328 V2.1.1 2016-11	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	
TK	ETSI EN 300 330-2 V1.6.1 2015-03	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
TK	ETSI EN 300 330 V2.1.1 2017-02	Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	
TK	ETSI EN 300 341-2 V1.1.1 2000-12	Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile service (RP 02); Radio equipment using an integral antenna transmitting signals to initiate a specific response in the receiver; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive	
TK	ETSI EN 300 390-2 V1.1.1 2000-09	Electromagnetic compatibility and Radio spectrum Matters (ERM); Land Mobile Service; Radio equipment intended for the transmission of data (and speech) and using an integral antenna; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive	
TK	ETSI EN 300 440-2 V1.4.1 2010-08	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive	
TK	ETSI EN 300 440 V2.1.1 2017-03	Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	
TK	ETSI EN 300 454-2 V1.1.1 2000-08	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wide band audio links; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive	

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Section	Standard/Procedure/Version	Title of Standard and Procedure	Restrictions
TK	ETSI EN 301 357-2 V1.4.1 2008-11	Electromagnetic compatibility and Radio spectrum Matters (ERM); Cordless audio devices in the range 25 MHz to 2 000 MHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive	
TK	ETSI EN 302 291-2 V1.1.1 2005-07	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Close Range Inductive Data Communication equipment operating at 13,56 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive	

**EMF/EMVU**

Section	Standard/Procedure/Version	Title of Standard and Procedure	Restrictions
EMF	DIN VDE 0848-3-1 2002-05	Safety in electrical, magnetic and electromagnetic fields - Part 3-1: Protection of persons with active implants in the frequency range 0 Hz to 300 GHz	Measurement possibility up to 40 GHz
EMF	DIN EN 50385 (VDE 0848-385) 2003-05	Product standard to demonstrate the compliance of radio base stations and fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency electromagnetic fields (110 MHz - 40 GHz) - General public; German version EN 50385:2002	
EMF	DIN V VDE V 0848-4/A3 1995-07	Safety at electromagnetic fields; limits of field strengths for the protection of persons in the frequency range from 0 to 30 kHz	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMF	DIN EN 62311 (VDE 0848-211) 2008-09	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz); (IEC 62311:2007, modified); German version EN 62311:2008 Separately or in connection with DIN EN 62479 (VDE 0848-479):2011-09 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) (IEC 62479:2010, modified)	Measurement possibility up to 40 GHz  Chapter 4
EMF	IEC 62311 2007	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz) Separately or in connection with IEC 62479:2010 Assessment of the compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (10 MHz - 300 GHz)	Measurement possibility up to 40 GHz  Chapter 4
EMF	DIN EN 62233 (VDE 0700-366) 2008-11	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure; (IEC 62233:2005, modified); German version EN 62233:2008	
EMF	IEC 62233 2005	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMF	DIN EN 62369-1 (VDE 0848-369-1) 2010-03	Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz - Part 1: Fields produced by devices used for electronic article surveillance, radio frequency identification and similar systems; (IEC 62369-1:2008); German version EN 62369-1:2009 Separately or in connection with IEC DIN EN 50364 (VDE 0848-364):2010-11, Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications; German version EN 50364:2010	Chapter 4 Measurement possibility up to 40 GHz
EMF	DIN EN 62493 (VDE 0848-493) 2010-09	Assessment of lighting equipment related to human exposure to electromagnetic fields; (IEC 62493:2009); German version EN 62493:2010	
EMF	DIN EN 62493 VDE 0848-493 2016-08	Assessment of lighting equipment related to human exposure to electromagnetic fields; (IEC 62493:2015); German version EN 62493:2015	

**Maritime Equipment**

<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMV	Germanischer Lloyd 2012	Rules for Classification and Construction VI Additional Rules and Guidelines 7 Guidelines for the Performance of Type Approvals 2 Test Requirements for Electrical / Electronic Equipment and Systems Section 3	Only Chapter VI, 7-2-3

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**Procedures of international standardization organizations**

<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMC	IEEE/ANSI C63.4 2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz  Stand alone or in combination with: FCC CFR 47 Part 15 Subpart A, B, C Code of federal regulations Title 47: Chapter I - Federal Communications Commission part 15 - Radio frequency devices  FCC CFR 47 Part 18 Code of federal regulations Title 47: Chapter I - Federal Communications Commission part 18 - INDUSTRIAL, SCIENTIFIC, AND MEDICAL EQUIPMENT	Exempted in FCC CFR 47 part 15: Subpart B: TV broadcast receiver FM broadcast receiver Superregenerative receiver TV interface device Cable system terminal device Stand-alone cable input selector switch Access Broadband over Power Line (Access BPL) Subpart C: Transmitters up to 10 GHz Exempted: Cordless telephones Tunnel radio systems 15.233 15.250 -15.257 Exempted in FCC CFR 47 part 18: None
EMC	ANSI C63.10 2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	
EMC	FCC/OST MP-5 1986	Methods of Measurements of Radio Noise Emissions from ISM equipment	
EMC	AS/NZS CISPR 22 2009 CISPR 22 2008	Limits and methods of measurement of radio interference characteristics of information technology equipment	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMC	AS/NZS CISPR 32 2013 CISPR 32 (Ed. 1)	Electromagnetic Compatibility of multimedia equipment	
EMC	AS/NZS CISPR 11 2011 CISPR 11 2009	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics Limits and methods of measurement	
EMC	AS/NZS CISPR 12 2013 CISPR 12 (ed. 6.1)	Vehicles, boats, and internal combustion engines Radio disturbance characteristics Limits and methods of measurement for the protection of off-board receivers	
EMC	AS/NZS CISPR 14.1 2013 CISPR 14.1 2011	Electromagnetic compatibility Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	
EMC	AS/NZ CISPR 15 2011 CISPR 15 (ed. 7.2)	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	
EMC	Industry Canada ICES-001 2006-05 (Issue 4) Update: November 2014	Industrial, Scientific and Medical Radio Frequency Generators	
EMC	Industry Canada ICES002 2013-03 (Issue 6)	Vehicles, Boats and Other Devices Propelled by an Internal Combustion Engine, Electrical Means or Both	
EMC	Industry Canada ICES-003 2012-08 (Issue 6)	Information Technology Equipment (ITE) - Limits and Methods of Measurement	
EMC	Industry Canada ICES-005 2009-05 (Issue 3)	Radio Frequency Lighting Devices	
EMC	Industry Canada ICES-006 2009 (Issue 2) Update 2014	IAC Wire Carrier Current Devices (Unintentional Radiators)	
EMC	Industry Canada RSS Gen 2014-11 (Issue 4)	General Requirements for Compliance of Radio Apparatus	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMC	Industry Canada RSS 210 2010-12 (Issue 8)	Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment + Amendment 1	
EMC	Industry Canada RSS 310 2015 (Issue 4)	Licence-Exempt Radio Apparatus: Category II Equipment	
EMC	Industry Canada RSS 102 2015-03	Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)	No SAR measurement possible

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**Withdrawn procedures or procedures, for which new issues exist (but which are still referenced)**

**Basic standards**

Section	Standard/Procedure/Version	Title of Standard and Procedure	Restrictions
EMC	DIN EN 55016-2-1 (VDE 0877-16-2-1) 2006-03	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements; (IEC/CISPR 16-2-1:2003 + A1:2005); German version EN 55016-2-1:2004 + A1:2005	
EMC	DIN EN 55016-2-1 (VDE 0877-16-2-1) 2009-12	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements; (IEC/CISPR 16-2-1:2008); German version EN 55016-2-1:2009	
EMC	DIN EN 55016-2-1 (VDE 0877-16-2-1) 2011-09	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements; (CISPR 16-2-1:2008 + A1:2010); German version EN 55016-2-1:2009 + A1:2011	
EMC	DIN EN 55016-2-1 (VDE 0877-16-2-1) 2014-01	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements; (CISPR 16-2-1:2008 + A1:2010 + A2:2013); German version EN 55016-2-1:2009 + A1:2011 + A2:2013	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMC	DIN EN 55016-2-3 (VDE 0877-16-2-3) 2006-03	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements; (IEC/CISPR 16-2-3:2003 + A1:2005 + A2:2005); German version EN 55016-2-3: 2004 + A1:2005 + A2:2005	
EMC	DIN EN 55016-2-3 (VDE 0877-2-3) 2007-08	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements; (IEC/CISPR 16-2-3:2006); German version EN 55016-2-3:2006	
EMC	DIN EN 55016-2-3 (VDE 0877-16-2-3) 2011-03	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements; (IEC/CISPR 16-2-3:2010 + A1:2010); German version EN 55016-2-3:2010 + A1:2010	
EMC	DIN EN 61000-4-2 (VDE 0847 Teil 4-2) 1996-03	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test; (IEC 1000-4-2:1995); German version EN 61000-4-2:1995	
EMC	DIN EN 61000-4-2/A1 (VDE 0847 Teil 4-2/A1) 1998	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test; (IEC 61000-4-2:1995/A1:1998); German version EN 61000-4-2:1995/A1:1998	

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EMC	DIN EN 61000-4-2 (VDE 0847 Teil 4-2) 2001-12	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test; (IEC 61000-4-2:1995 + A1:1998 + A2:2000); German version EN 61000-4-2:1995 + A1:1998 + A2:2001	
EMC	DIN EN 61000-4-3 (VDE 0847-4-3) 2003-11	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio frequency, electromagnetic field immunity test (IEC 61000-4-3:2002 + A1:2002); German version EN 61000-4-3:2002 + A1:2002	
EMC	DIN EN 61000-4-3 (VDE 0847-4-3) 2008-06	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio frequency, electromagnetic field immunity test (IEC 61000-4-3:2006 + A1:2007); German version EN 61000-4-3:2006 + A1:2008	
EMC	DIN EN 61000-4-3 (VDE 0847-4-3) 2011-04	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio frequency, electromagnetic field immunity test (IEC 61000-4-3:2006 + A1:2007 + A2:2010); German version EN 61000-4-3:2006 + A1:2008 + A2:2010	
EMC	DIN EN 61000-4-4 (VDE 0847-4-4) 2002-07	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test; (IEC 61000-4-4:1995 + A2:2001); German version EN 61000-4-4:1995 + A1:2001 + A2:2001	
EMC	DIN EN 61000-4-4 (VDE 0847-4-4) 2005-07	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test; (IEC 61000-4-4:2004); German version EN 61000-4-4:2004	

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EMC	DIN EN 61000-4-4 (VDE 0847-4-4) 2010-11	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test; (IEC 61000-4-4:2004 + Cor. 1:2006 + Cor. 2:2007 + A1:1010); German version EN 61000-4-4:2004 + A1:2010	
EMC	DIN EN 61000-4-5 (VDE 0847-4-5) 2001-12	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test; (IEC 61000-4-5:1995 + A1:2000); German version EN 61000-4-5:1995 + A1:2001	
EMC	DIN EN 61000-4-5 (VDE 0847-4-5) 2007-06	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test; (IEC 61000-4-5:2005); German version EN 61000-4-5:2006	
EMC	DIN EN 61000-4-6 (VDE 0847-4-6) 2001-12	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields; (IEC 61000-4-6:1996 + A1:2000); German version EN 61000-4-6:1996 + A1:2001	
EMC	DIN EN 61000-4-6 (VDE 0847-4-6) 2008-04	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields; (IEC 61000-4-6:2003 + A1:2004 + A2:2006); German version EN 61000-4-6:2007 + Corrigendum August 2007	
EMC	DIN EN 61000-4-6 (VDE 0847-4-6) 2009-12	Elektromagnetische Verträglichkeit (EMC) - Teil 4-6: Prüf- und Messverfahren - Störfestigkeit gegen leitungsgeführte Störgrößen, induziert durch hochfrequente Felder (IEC 61000-4-6:2008); Deutsche Fassung EN 61000-4-6:2009	

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Section	Standard/Procedure/Version	Title of Standard and Procedure	Restrictions
EMC	DIN EN 61000-4-8 (VDE 0847 Teil 4-8) 2001-12	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields; IEC 61000-4-6:2008); German version EN 61000-4-6:2009	
EMC	DIN EN 61000-4-11 (VDE 0847 Teil 4-11) 2001-12	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test; (IEC 61000-4-8:1993 + A1:2000); German version EN 61000-4-8:1993 + A1:2001	
EMC	DIN EN 61000-4-12 (VDE 0847 Teil 4-12) 2001-12	Electromagnetic Compatibility (EMC) - Part 4-12: Testing and measurement techniques - Ring wave immunity test; (IEC 61000-4-12:1995 + A1:2000); German version EN 61000-4-12:1995 + A1:2001	
EMC	CISPR 22 (ed 3) 1997	Information Technology Equipment - Radio Disturbance Characteristics - Limits and Methods of Measurement	

**Product family standard**

Section	Standard/Procedure/Version	Title of Standard and Procedure	Restrictions
EMC	DIN EN 61000-3-2 (VDE 0838-2) 2005-09	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq$ 16 A per phase); (IEC 61000-3-2:2000 + A1:2001 + A2:2004); German version EN 61000-3-2:2000 + A2:2005	
EMC	DIN EN 61000-3-2 (VDE 0838-2) 2010-03	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq$ 16 A per phase); (IEC 61000-3-2:2005 + A1:2008 + A2:2009); German version EN 61000-3-2:2006 + A1:2009 + A2:2009	

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EMC	DIN EN 61000-3-2 (VDE 0838-2) 2010-03	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current $\leq$ 16 A per phase); (IEC 61000-3-2:2005 + A1:2008 + A2:2009); German version EN 61000-3-2:2006 + A1:2009 + A2:2009	
EMC	DIN EN 61000-3-3 (VDE 0838-3) 2006-06	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq$ 16 A per phase and not subject to conditional connection; (IEC 61000-3-3:2008); German version EN 61000-3-3:2008	
EMC	DIN EN 61000-3-3 (VDE 0838-3) 2009-06	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq$ 16 A per phase and not subject to conditional connection; (IEC 61000-3-3:2008); German version EN 61000-3-3:2008	
EMC	DIN EN 61000-3-12 (VDE 0838-12) 2005-09	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current $>$ 16 A and $\leq$ 75 A per phase; (IEC 61000-3-12:2004); German version EN 61000-3-12:2005	
EMC	DIN EN 61000-3-12 (VDE 0838-12) 2012	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current $>$ 16 A and $\leq$ 75 A per phase; (IEC 61000-3-12:2011); German version EN 61000-3-12:2011	

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<b>Section</b>	<b>Standard/Procedure/Version</b>	<b>Title of Standard and Procedure</b>	<b>Restrictions</b>
EMC	DIN EN 50081 Teil 1 (VDE 0839 Teil 81-1) 1993-03	Electromagnetic compatibility (EMC) - Generic emission standard - Part 1: Residential, commercial and light industry; German version EN 50081-1:1992	
EMV	DIN EN 50081 Teil 2 (VDE 0839 Teil 81-2) 1993-03	Electromagnetic compatibility (EMC) – Generic emission standard - Part 2: industrial environment; German version EN 50081-2:1993	
EMC	DIN EN 50082 Teil 1 (VDE 0839 Teil 82-1) 1997-11	Electromagnetic compatibility (EMC) – Generic immunity standard - Part 1: Residential, commercial and light industry; German version EN 50082-1:1997	
EMC	DIN EN 50082 Teil 2 (VDE 0839 Teil 82-2) 1996-02	Electromagnetic compatibility (EMC) – Generic Immunity Standard - Part 2: Industrial environment; German version EN 50082-2:1995	

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**Acoustics**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
DIN EN 15503:2014-01	Garden equipment - Garden blowers, vacuums and blower/vacuums – Safety; German version EN 15503:2009+A1:2013	A
IEC 60335-2-107:2017	Household and similar electrical appliances - Safety Part 2-107: Particular requirements for robotic lawnmowers	A
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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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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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
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
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

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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
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
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

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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
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

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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
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 60900 (VDE 0682-201):2013-04	Live working - Hand tools for use up to 1 000 V a. c. and 1 500 V d. c.; (IEC 60900:2012); German version EN 60900:2012	A
IEC 60900:2018 EN IEC 60900:2018 DIN EN IEC 60900:2019-04 VDE 0682-201:2019-04	Live working - Hand tools for use up to 1 000 V a. c. and 1 500 V d. c.	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
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

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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
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 / 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
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

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<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure</b>	<b>Location</b>
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
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

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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
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
DIN EN 15503:2014-01	Garden equipment - Garden blowers, vacuums and blowers/vacuums – Safety; German version EN 15503:2009+A1:2013	A

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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
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

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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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**Chemical Product Safety and Sustainability for the analysis of: Coated aluminium, coated steel, leather, plastics, aluminium, steel, copper alloys, printed circuit boards, components and alloys:**

**Preparation of probes**

Standard/Procedure/Version	Title of Standard or Procedure	Location
DIN EN 62321-1:2014-02	Determination of certain substances in electrotechnical products - Part 1: Introduction and overview	A
DIN EN 62321-2:2014-09	Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation	A

**Single test methods of high-performance fluid chromatography (HPLC)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
DIN EN 62321-6 E:2011	Determination of certain substances in electrotechnical products - Part 6: Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS)	A
TL72 0218 Issue 1 2019-02-06	Analysis of phthalates be means of HPLC/UV (not covered by flexible accreditation)	A

**Single test methods of gas chromatography-mass spectrometry (GC/MS)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
AfPS GS 2014:01 PAK:2014	Testing and evaluation of polycyclic aromatic hydrocarbons (PHC) for granting the GS Mark – Specification according to § 21 Clause 1 No 3 ProdSG	A

**Single test methods of photometry (wet chemistry)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
DIN EN 62321-7-1 E:2014	Determination of certain substances in electrotechnical products - Part 7-1: Determination of the presence of hexavalent chromium (Cr(VI)) in colorless and colored corrosion protected coatings on metals by the colorimetric method	A

**Single test methods of AAS (ICP-AES) (non-organic-analytic kind of test)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
DIN EN 62321-5:2014	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead	A

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	and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS <i>(only determination of lead and cadmium in printed boards and components by means of ICP/AES)</i>	
DIN EN 62321-5:2014	Determination of certain substances in electrotechnical products - Part 5: Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS	A
DIN EN 62321-4:2014-10	Determination of certain substances in electrotechnical products - Part 4: Mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP-OES and ICP-MS	A
DIN EN 62554:2012-10	Sample preparation for measurement of mercury level in fluorescent lamps <i>(only determination of mercury in lamps by means of ICP/AES)</i>	A
DIN EN 1811:2015-10	Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin	A

**Single test methods of X-ray fluorescence spectrometry (non-organic-analytic kind of test)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
DIN EN 62321-3-1:2014	Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine by X-ray fluorescence spectrometry	A

**Analysis of test methods for halogen-free (IC)**

Standard/Procedure/Version	Title of Standard or Procedure	Location
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

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**VI. Testing of construction products according to Regulation (EU) No. 305/2011 for determination of harmonised conditions for marketing of construction products (Constructional Products Regulation CPR)**

Resolution of the Commission	System1)	Technical Specification	Location
2011/284/EU Power, control and communication cables	3	EN 50575:2014/A1:2016 Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements	A

<sup>1)</sup> for evaluation and inspection of reliability

*The requirements according to article 43 of the CPR referring to a testing laboratory according to Annex V are fulfilled.*

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**VII. 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

**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 mainenance and complete repair
- Modification, shutdown
- Production, operation
- User documentation

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

Procedure	Description
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 above-mentioned 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
- Road vehicles
- Electrical vehicles
- Industrial trucks
- Building machines
- Tractors and machines for agriculture and forestry
- Charging cables with integrated control and protective devices
- Switchgear and systems, protective devices
- Sensors, logic units and actuators
- Microprocessors and embedded systems
- Refrigerators and equipment
- Software modules and software tools
- Automated processing systems
- Battery management systems
- Charging equipment for E-Mobility

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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:**

<b>Standard/Procedure/Version</b>	<b>Title of Standard or Procedure<sup>2</sup> (if applicable, indicate deviations / modifications)</b>	<b>Test scope</b>
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 13849-1:2016-06	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
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	

<sup>2</sup> For test methods: The title of the in-house method includes method, matrix and analyte

**-Translation-**

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Standard/Procedure/Version	Title of Standard or Procedure <sup>2</sup> (if applicable, indicate deviations / modifications)	Test scope
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

**Abbreviations used:**

CIE	International Commission on Illumination
CISPR	Comité international spécial des perturbations radioélectriques
DIN	Deutsches Institut für Normung e.V. / German Institute for Standardization
TL	Procedure of the Testing Laboratory
EMC	Electromagnetic Compatibility
EN	European standard
IEC	International Electrotechnical Commission
IES	Illuminating Engineering Society
ISO	International Organisation for Standardisation
SOP	Standard Operating Procedure

**-Translation-**

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