

Basic Standards – Immunity

**EN 61000-4-2
2009**

Electromagnetic compatibility (EMC) – Part 4-2: Testing and measuring techniques – Electrostatic discharge immunity test

**EN 61000-4-3
2006+A1:2008+A2:2010**

Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio frequency, electromagnetic field immunity test

**EN 61000-4-4
2012**

Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical and measurement techniques – Electrical fast

**EN 61000-4-5
2014+A1:2017**

Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test

**EN 61000-4-6
2014**

Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields

**EN 61000-4-8
2010**

Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test

**EN 61000-4-9
2016**

Electromagnetic compatibility (EMC) – Part 4-9: Testing and measurement techniques; Pulse magnetic field immunity test

**EN 61000-4-11
2004+A1:2017**

Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests

**EN 61000-4-13
2002+A1:2009+A2:2016**

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

EN 61000-4-28
2000+A1:2004+A2:2009

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

EN 61000-4-29
2000

Electromagnetic compatibility (EMC) – Testing and measurement techniques – Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests

Basic Standards – Emissions

EN 55016-2-1
2014+A1:2017

Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements

EN 55016-2-2
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

EN 55016-2-3
2017+A1:2019

Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements

Generic Standards

EN IEC 61000-6-1
2019

Electromagnetic compatibility (EMC) – Part 6-1: Generic standards: Immunity for residential, commercial and light-industrial environments

EN IEC 61000-6-2
2019

Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments

EN 61000-6-3
2007+A1:2011+AC:2012

Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments

**EN 61000-6-4
2007+A1:2011**

Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments

**EN 61000-6-5
2015**

Electromagnetic compatibility (EMC) – Part 6-5: Generic standards – Immunity for equipment used in power station and sub-station environment

Product family standards and product standards

**EN 55011
2016+A1:2017**

Industrial, scientific and medical equipment – Radio- frequency disturbance characteristics – Limits and methods of measurement

**EN 55014-1
2017**

Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission

**EN 55014-2
2015**

Electromagnetic compatibility – Requirements for household appliances , electric tools and similar apparatus – Part 2: Immunity – Product family standard

**EN IEC 55015
2019+A11:2020**

Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment

**EN 61547
2009**

Equipment for general lighting purposes – EMC immunity requirements

**EN 55032
2015**

Electromagnetic compatibility of multimedia equipment – Emission requirements

**EN 55035
2017**

Electromagnetic compatibility of multimedia equipment – Immunity requirements

EN 55103-2
2009

Electromagnetic compatibility – Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use – Part 2: Immunity

EN 61326-1
2013

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements

EN 61326-2-1
2013

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

EN 61326-2-2
2013

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

EN 61326-2-3
2013

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

EN 61326-2-6
2013-09

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment

EN IEC 61800-3
2018

Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods

EN 61326-3-1
2017

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

**EN IEC 61326-3-2
2018**

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

**EN IEC 61800-3
2018**

Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods

**EN 61800-5-2
2017**

Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional

**EN 60974-10
2014+A1:2015**

Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements

**EN 61204-3
2018**

Low-voltage power supplies, d.c. output – Part 3: Electromagnetic compatibility (EMC)

**EN 50130-4
2011+A1:2014**

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

**EN 1434-4
2015+A1:2018**

Heat meters – Part 4: Pattern approval tests

**EN 50370-1
2005**

Electromagnetic compatibility (EMC) – Product family standard for machine tools – Part 1: Emission

**EN 50370-2
2003**

Electromagnetic compatibility (EMC) – Product family standard for machine tools – Part 2: Immunity

**EN 50491-5-1
2010**

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

EN 50491-5-2
2010

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

EN 50491-5-3
2010

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

EN 12015
2014

Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Emission

EN 12016
2013

Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Immunity

EN 62920
2017

Photovoltaic power generating systems – EMC requirements and test methods for power conversion equipment

Standards for railway applications

EN 50121-1
2017

Railway applications – Electromagnetic compatibility – Part 1: General

EN 50121-3-2
2016

Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus

EN 50121-4
2016

Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications Apparatus

EN 50121-5
2017

Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and Apparatus

Vehicular Standards (Automotive)

EN 55025
2017+AC 2017

Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers

EN 55012
2007+A1:2009

Vehicles, boats, and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of off-board receivers

EN 50498
2010

Product family standard for aftermarket electronic equipment in vehicles

EN ISO 13766-1
2018

Earth-moving and building construction machinery – Electromagnetic compatibility (EMC) of machines with internal electrical power supply – Part 1: General EMC requirements under typical electromagnetic environmental conditions

EN ISO 13766-2
2018

Earth-moving and building construction machinery – Electromagnetic compatibility (EMC) of machines with internal electrical power supply – Part 2: Additional EMC requirements for functional safety

EN 61851-21-1
2017+AC:2017

Electric vehicle conductive charging system – Part 21-1: Electric vehicle on-board charger EMC requirements for conductive connection to an AC/DC supply

Maritime

EN 60945
2002

Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results

Electromagnetic Fields (EMF)

EN 62479
2010

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)

EN 62233
2008

Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure

EN 62493
2015

Assessment of lighting equipment related to human exposure to electromagnetic fields

Electrical Safety (only EMC Parts)

EN 60669-2-1
2004+A1:2009

Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches

EN IEC 61058-1
2018

Switches for appliances – Part 1: General requirements

EN 61058-2-1
2011

Switches for appliances – Part 2-1: Particular requirements for cord switches

EN 60669-2-1
2004+A1:2009

Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches

EN 60947-5-2:
2007+A1:2012

Low-voltage switchgear and controlgear – Part 5-2: Control circuit devices and switching elements – Proximity switches

EN 60730-1
2016

Automatic electrical controls – Part 1: General requirements

EN 60335-1
2012+AC:2014+A11:2014
+A13:2017+A1:2019+A2:2019
+A14:2019

Household and similar electrical appliances – Safety – Part 1: General requirements

EN 60335-2-102
2016

Household and similar electrical appliances – Safety – Part 2-102: Particular requirements for gas, oil and solid-fuel burning appliances having electrical connections