



EN 55103

EN 50370

EN 50293

EN 61326-3-1

EN 61000-6-1

EN 61000-6-2

EN 55014-1

EN 50130-4

2014/30/EU

EN 61000-6-3

EN 61000-6-4

EN 60974-10

EN 61800-3

EN 12015

EN 61496-1

EN 12016

EN 55014-2

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CERTIFICATION

The universe of European standards for electromagnetic compatibility

All these standards are subject to the
EMC Directive 2014/30/EU (EMCD)

Generic standards

Generic standards apply wherever there are no product family standards or product standards.

EN IEC 61000-6-1	Electromagnetic compatibility (EMC). Part 6-1: Generic standards – Immunity standard for residential, commercial and light-industrial environments
EN IEC 61000-6-2	Electromagnetic compatibility (EMC). Part 6-2: Generic standards – Immunity standard for industrial environments
EN 61000-6-3	Electromagnetic compatibility (EMC). Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments
EN IEC 61000-6-4	Electromagnetic compatibility (EMC). Part 6-4: Generic standards – Emission standard for industrial environments

Product family standards

Product family standards relate to statements that are equally applicable to a group of similar products. They are applied when there is no specific product standard for the product concerned.

Product family standards – some examples

EN 12015	Electromagnetic compatibility – Product family standard for lifts, escalators, and passenger conveyors – Emission
EN 12016	Electromagnetic compatibility – Product family standard for lifts, escalators, and passenger conveyors – Immunity
EN 50130-4	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 50370*	Electromagnetic compatibility (EMC) – Product family standard for machine tools
EN 55014-1	Electromagnetic compatibility – Requirements for household appliances, electric tools, and similar appliances – Part 1: Emission
EN 55014-2	Electromagnetic compatibility – Requirements for household appliances, electric tools, and similar appliances – Part 2: Immunity

* This standard consists of several parts.

EN 55103*	Electromagnetic compatibility – Product family standard for audio, video, audiovisual and entertainment lighting control apparatus for professional use
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Product standards

Product standards address EMC requirements for individual products or product groups. A standard of this type is frequently restricted to EMC requirements while sometimes the EMC requirements are also contained in standards that address other topics such as safety.

Product standards – some examples

EN 50293	Road traffic signal systems - Electromagnetic compatibility
EN 60974-10	Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements
EN 61326-3-1	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 61496-1	Safety of machinery – Electro-sensitive protective equipment Part 1: General requirements and tests
EN IEC 61800-3	Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods



Useful links

- European directives and regulations:
https://ec.europa.eu/growth/sectors_en
- European standards:
www.snv.ch, www.electrosuisse.ch

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