

Standards

for electrical safety equipment



CATU™



Standards for electrical safety equipment

Standards are critical to the safety of people and property

They define:

- Specifications and all use recommendations for product standards,
- Best practices and state of the art for the installation standards and general standards.

At the electrical code, a number of standards coexist, they are either national or international.

Among the most used in our industry are:

- **International standards IEC.**
- **European EN standards.**

Standards IEC (IEC to order on : webstore.iec.ch)

- **IEC 61230** Portable equipment for earthing or earthing and short-circuiting.
- **IEC 60855** Insulating foam-filled tubes and solid rods for live working.
- **IEC 61235** Insulating hollow tubes for electrical purposes.
- **IEC 61243-1** Voltage detectors - Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.
- **IEC 61243-2** Voltage detectors - Part 2: Resistive type to be used for voltages of 1 kV to 36 kV a.c.
- **IEC 61243-3** Voltage detectors - Part 3: Two-pole low-voltage type.
- **IEC 61481** Portable phase comparators for use on voltages from 1 kV to 36 kV a.c.
- **IEC 61010** Safety requirements for electrical equipment for measurement, control, and laboratory use.
- **IEC 60900** Hand tools for use up to 1000 V a.c. and 1500 V d.c.
- **IEC 60903** Gloves of insulating material.
- **IEC 61557-2** 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.
- **IEC 61557-4** 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.



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- **IEC 60832** Insulating poles (insulating sticks) and universal tool attachments (fittings) for live working.
- **IEC 61111** Matting of insulating material for electrical purposes.
- **IEC 61112** Blankets of insulating material for electrical purposes.
- **IEC 61236** Saddles, pole clamps (stick clamps) and accessories for live working.
- **IEC 61219** Earthing or earthing and short-circuiting equipment using lances as a short-circuiting device - Lance earthing.
- **IEC 61229** Rigid protective covers for live working on a.c. installations.

Standards NF EN (NF EN to order on : www.afnor.fr)

- **NF EN 50110-1** Operation of electrical installations.
- **NF EN 166** Personal eye-protection - Specifications.
- **NF EN 170** Personal eye-protection - Ultraviolet filters - Transmittance requirements and recommended use.
- **NF EN 50365** Electrically insulating helmets for use on low voltage installations.
- **NF EN 397** Industrial safety helmets.
- **NF EN 388** Protective gloves against mechanical risks.
- **NF EN 345** Specification for safety footwear for professional use.
- **NF EN 361** Personal protective equipment against falls from a height - Full body harnesses.
- **NF EN 358** Personal protective equipment for work positioning and prevention of falls from a height - Belts for work positioning and restraint and work positioning lanyards.
- **NF EN 353-2** Personal protective equipment against falls from a height - Part 2: guided type fall arresters including a flexible anchor line.
- **NF EN 362** Personal protective equipment against falls from a height - Connectors.



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- **NF EN 354**Personal protective equipment against falls from a height - Lanyards.
- **NF EN 358**Personal protective equipment for work positioning and prevention of falls from a height - Belts for work positioning and restraint and work positioning lanyards.
- **UNE-EN 795**Protection against falls from a height - Anchor devices - Requirements and testing.
- **NF EN 131**Ladders. Terms, types, functional sizes.
- **NF EN 50014**Electrical apparatus for potentially explosive atmospheres - General requirements.
- **NF EN 1149-1**Protective clothing. Electrostatic properties.
- **NF EN 352**Hearing protectors.
- **NF EN 352-1**Hearing protectors - General requirements - Part 1: ear-muffs.