

STN	Elektricky ovládané zariadenia kontrolovaného vstupu osôb Bezpečnosť pri používaní Požiadavky a skúšobné metódy	STN EN 17352 74 6459
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Power operated pedestrian entrance control equipment - Safety in use - Requirements and test methods

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Power operated pedestrian entrance control equipment - Safety in use - Requirements and test methods

Équipement motorisé de contrôle d'accès pour piétons
- Sécurité d'utilisation - Exigences et méthodes d'essai

Kraftbetätigte Zugangskontrolleinrichtungen -
Nutzungssicherheit - Anforderungen und
Prüfverfahren

This European Standard was approved by CEN on 23 August 2021.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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European foreword

This document (EN 17352:2022) has been prepared by Technical Committee CEN/TC 33 “Doors, windows, shutters, building hardware and curtain walling”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2022 and conflicting national standards shall be withdrawn at the latest by September 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annex ZA, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 17352:2022 (E)**Introduction**

This standard is a type C standard as stated in EN ISO 12100:2010.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate at the drafting process of this document.

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the provisions of this type-C standard.

1 Scope

This document specifies requirements and test methods for power operated pedestrian entrance control equipment such as turnstiles, swing lanes and retractable lanes. Such products can be operated electro-mechanically or electro-hydraulically. They are usually used in order to allow authorized persons to switch from one zone to another zone one at the time.

This document covers safety in use of power operated pedestrian entrance control equipment used for normal access as well as in escape routes and emergency exits.

This document deals with all significant hazards, hazardous situations and events relevant to power operated pedestrian entrance control equipment when they are used as intended and under conditions of misuse which are reasonably foreseeable as identified in Clause 4.

All lifetime phases of the machinery including transportation, assembly, dismantling, disabling and scrapping are considered by this document.

This document does not apply to:

- power operated pedestrian doors (see EN 16005 and EN 16361);
- external and internal pedestrian doors (see EN 14351-1 and EN 14351-2);
- the use of the equipment by vulnerable people;
- mechanical turnstiles with electric/electronic unlocking system;
- vertically moving power operated pedestrian entrance control equipment;
- power operated pedestrian entrance control equipment used in industrial processes;
- power operated pedestrian entrance control equipment for people with special needs;
- platform doors for subway and railway.

This document does not deal with any specific requirements on noise emitted by a power operated pedestrian entrance control equipment as their noise emission is not considered to be a relevant hazard.

This document is not applicable to power operated pedestrian entrance control equipment manufactured before the date of publication of the standard.

This document does not take into account:

- children playing with the equipment;
- the use of the equipment by children younger than 8 years without supervision.

NOTE Vulnerable people are persons having reduced physical, sensory or mental capabilities (e.g. partially disabled, elderly having some reduction in their physical and mental capabilities), or lack of experience and knowledge. Power operated pedestrian entrance control equipment are according to their function and purpose not designed to serve the needs of vulnerable people. Where accessible entrance control equipment is required, the needs of vulnerable people will be taken into account already at the design stage as indicated in EN 17210:2021 "Accessibility and usability of the built environment – Functional requirements.

EN 17352:2022 (E)**2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12150-2:2004, *Glass in building - Thermally toughened soda lime silicate safety glass - Part 2: Evaluation of conformity/Product standard*

EN 12978:2003+A1:2009, *Industrial, commercial and garage doors and gates - Safety devices for power operated doors and gates - Requirements and test methods*

EN 13637:2015, *Building hardware - Electrically controlled exit systems for use on escape routes - Requirements and test methods*

EN 14449:2005, *Glass in building - Laminated glass and laminated safety glass - Evaluation of conformity/Product standard*

EN 60335-2-103:2015, *Household and similar electrical appliances - Safety - Part 2-103: Particular requirements for drives for gates, doors and windows (IEC 60335-2-103:2006, modified + A1:2010, modified)*

EN 60529:1991¹, *Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989)*

EN 60664-1:2007, *Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests (IEC 60664-1:2007)*

EN ISO 4413:2010, *Hydraulic fluid power - General rules and safety requirements for systems and their components (ISO 4413:2010)*

EN ISO 4414:2010, *Pneumatic fluid power - General rules and safety requirements for systems and their components (ISO 4414:2010)*

EN ISO 12100:2010, *Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)*

EN ISO 13849-1:2015, *Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design (ISO 13849-1:2015)*

EN ISO 13857:2019, *Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2019)*

EN ISO 14120:2015, *Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards (ISO 14120:2015)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ As impacted by EN 60529:1991/A1:2000 and EN 60529:1991/A2:2013.