



NSAI
Standards

Irish Standard
I.S. EN 17372:2021

Power operated pedestrian swing door drives with self closing function - Requirements and test methods

I.S. EN 17372:2021

Incorporating amendments/corrigenda/National Annexes issued since publication:

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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National Foreword

I.S. EN 17372:2021 is the adopted Irish version of the European Document EN 17372:2021, Power operated pedestrian swing door drives with self closing function - Requirements and test methods

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EUROPEAN STANDARD

EN 17372

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 91.060.50

English Version

Power operated pedestrian swing door drives with self closing function - Requirements and test methods

Opérateurs motorisés de portes battantes pour piétons
avec fonction de fermeture automatique - Exigences et
méthodes d'essai

Kraftbetätigte Drehflügel Türantriebe mit
Selbstschließfunktion - Anforderungen und
Prüfverfahren

This European Standard was approved by CEN on 18 January 2021.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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EN 17372:2021 (E)

European foreword

This document (EN 17372:2021) 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 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

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.

In addition to meeting requirements and test methods of this document, it could be essential that power-operated pedestrian swing door drives with self-closing function satisfy further technical rules (e.g. 2014/30/EU, Electromagnetic compatibility, 2006/42/EC, Machine Directive) in regard to the safety in use and the intended application in buildings.

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

1 Scope

This document is applicable to power-operated pedestrian swing door drives with self closing function using mechanically stored energy for single and double leaf swing doorsets with or without fire resistance and smoke control characteristics. It defines requirements and test methods for the self-closing function.

This document does not apply to:

- electrically controlled hold-open systems according to EN 14637;
- door coordinating devices according to EN 1158;
- electrically powered hold-open devices for swing doors according to EN 1155.

Requirements and test methods for hold-open systems are not part of this document.

Additional requirements and test methods for the use of power-operated pedestrian swing door drives with self closing function on double-leaf swing doors are described in EN 1158 and are therefore not part of this document.

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 1154, *Building hardware — Controlled door closing devices — Requirements and test methods*

EN 1155, *Building hardware — Electrically powered hold-open devices for swing doors — Requirements and test methods*

EN 16005, *Power operated pedestrian doorsets — Safety in use — Requirements and test methods*

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

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 1154, EN 1155 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

power-operated pedestrian swing door drive with self-closing function

drive that is equipped with a self-closing function for moving a swing door leaf

3.2

self-closing function

function for closing a swing door leaf by means of mechanically stored energy which is preserved even in case of power failure

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