

**Akna- ja uksetarvikud. Pendeluksi lahtioidvad
elektritoitega seadmed. Nõuded ja
katsemeetodid**

Building hardware - Electrically powered hold-open
devices for swing doors - Requirements and test
methods

EESTI STANDARDI EESSÕNA

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Käesolev Eesti standard EVS-EN 1155:1999 sisaldab Euroopa standardi EN 1155:1997 ingliskeelset teksti.

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English version

Building hardware - Electrically powered hold-open devices for swing doors - Requirements and test methods

Quincaillerie pour le bâtiment - Dispositifs de retenue électromagnétique pour portes battantes - Prescriptions et méthodes d'essai

Schlösser und Baubeschläge - Elektrisch betriebene Feststellvorrichtungen für Drehflügeltüren - Anforderungen und Prüfverfahren

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Comité Européen de Normalisation
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Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard 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 is part of a package of European Standards dedicated to building hardware products, and derives from performance requirements contained in various texts cited in annex C.

Work is in progress in order to support the implementation of the European Standards by evidence which demonstrates the conformity of products to the technical requirements set out in those standards.

In order not to delay the publication of the present European Standard, those conformity assessment criteria related to electrically powered hold-open devices will be published separately. They will be incorporated in this European Standard when next revised.

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of an identical text or by endorsement, at the latest by November 1997, and conflicting national standards shall be withdrawn at the latest by November 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies requirements for separate hold-open devices and also for hold-open mechanisms incorporated in a door closer. Electrically powered hold-open devices for swing doors manufactured according to this European Standard can hold a swing door at a fixed position or can allow the door to swing freely. In each case interruption of the electrical supply will cause the controlled door to close positively.

Electrically powered hold-open devices manufactured in accordance with this European Standard are recommended for use wherever there is a requirement for reliable hold-open and release of self closing fire/smoke door assemblies.

Whilst these devices can incorporate smoke or fire detection elements, the performance of those particular elements is outside of the scope of this European Standard.

NOTE : The series of European Standards EN 54 covers the requirements, test methods and performance criteria of resettable smoke/fire detectors.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1154	Building hardware - Controlled door closing devices - Requirements and test methods
prEN 1634-1	Fire testing of door and shutter assemblies - Part 1 : Method of test for fire resistance of fire doors and shutters
prEN 1670	Building hardware - Corrosion resistance of hardware for doors, windows, shutters and curtain walling - Requirements and test methods

3 Definitions

For the purposes of this European Standard, the following definitions apply :

3.1 electrically powered hold-open device

3.1.1 electrically powered separate hold-open device

Device that allows a door, fitted with a separate door closer, to remain open at either a preset or chosen angle until electrically released.

3.1.2 electrically powered hold-open door closer

Door closer that incorporates an electrically powered hold-open.

3.1.3 electrically powered free-swing door closer

Door closer that allows a door, after an initial opening to a predetermined position, to swing freely anywhere from that position to its closed position without any resistance or damping. Upon removal of the electrical supply, the door returns to the closed position under the control of the door closer.