Akna- ja uksetarvikud. Lukukorpused ja iselukustid. Elektromehaanilised lukukorpused ja lukuvastused. Nõuded ja katsemeetodid

Building hardware - Locks and latches - Electromechanically operated locks and striking plates - Requirements and test methods

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 14846:2008 sisaldab Euroopa standardi EN 14846:2008 ingliskeelset teksti.	This Estonian standard EVS-EN 14846:2008 consists of the English text of the European standard EN 14846:2008.
Standard on kinnitatud Eesti Standardikeskuse 25.09.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 25.09.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 27.08.2008.	Date of Availability of the European standard text 27.08.2008.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 91.190

Võtmesõnad:

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14846

August 2008

ICS 91.190

English Version

Building hardware - Locks and latches - Electromechanically operated locks and striking plates - Requirements and test methods

Quincaillerie pour le bâtiment - Serrures et becs de cane - Serrures et gâches électromécaniques - Exigences et méthodes d'essai

Baubeschläge - Schlösser - Elektromechanische Schlösser und Schließbleche - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 18 July 2008.

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 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 Management Centre has the same status as the official versions.

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

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Ref. No. EN 14846:2008: E

Contents

Page

Foreword

This document (EN 14846:2008) 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 February 2009, and conflicting national standards shall be withdrawn at the latest by May 2010.

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

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

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

This European Standard has been prepared under mandate M/101 “Doors, windows, shutters, gates and related building hardware” (amended) given to CEN by the European Commission and the European Free Trade Association.

No existing European Standard is superseded.

This European Standard is one of a series of European Standards dedicated to building hardware products.

Complementing this European Standard is a European Standard for mechanically operated locks, latches and locking plates (EN 12209) and a draft European Standard for mechanically operated multi-point locks (prEN 15685).

Electromechanical operated locks and striking plates used in fire/smoke door assemblies require additional attributes in order to comply with the Essential Requirements CPD 89/106/EEC "*Safety in case of fire*" either independently or as a part of a complete assembly. Additional requirements are specified in Annex A and Annex ZA.

The performance tests incorporated in this European Standard are considered to be replicable and as such will provide a consistent and objective assessment of the performance of these products throughout CEN member states.

Electromechanically operated locks and strikes plates to this standard are designed to be installed on doors in buildings (fixed installation). Such doors are not covered by the Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC or Restriction of the Use of Certain Hazardous Substances in EEE (RoHS) Directive 2002/95/EC.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies requirements and test methods for strength, security, durability and function of electrical and electronic components for all types of electromechanically operated locks and striking plates used on doors, window doors and entrance doors in buildings.

Requirements relating to the purely mechanical feature of products included in this European Standard (e.g. resistance to drilling/side load) are covered by EN 12209.

This European Standard covers electromechanically operated locks and striking plates which are either manufactured and placed on the market in their entirety by one producer or assembled from sub-assemblies produced by more than one producer and designed to be used in combination.

This document is not applicable to electrically powered hold-open devices (EN 1155), electrically controlled panic exit systems (prEN 13633) or electrically controlled emergency exit systems (prEN 13637). It does not apply to purely magnetic locks, mechatronic or mechanical cylinders (EN 1303), handles (EN 1906), locks for windows, padlocks (EN 12320), locks for safes (EN 1300), furniture locks or prison locks, nor does it apply to cover operating and identification devices (such as mechanical cylinders, intelligent cards, digit codes, magnetic cards).

This European Standard does not, for the time being, apply to electromagnetic door locks but these devices will be considered for inclusion in the first revision of this European Standard.

2 Normative references

The following referenced documents are indispensable for the application 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 1634-1, *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware — Part 1: Fire resistance test for doors and shutter assemblies and openable windows*

EN 1634-3, *Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware - Part 3: Smoke control test for door and shutter assemblies*

EN 1670:2007, *Building hardware — Corrosion resistance — Requirements and test methods*

EN 12209:2003, *Building hardware — Locks and latches — Mechanically operated locks, latches and locking plates — Requirements and test methods*

EN 60068-2-1:2007, *Environmental testing — Part 2-1: Tests — Tests A: Cold (IEC 60068-2-1:2007)*

EN 60068-2-2:2007, *Environmental testing — Part 2-2: Tests — Test B: Dry heat (IEC 60068-2-2:2007)*

EN 60068-2-30, *Environmental testing — Part 2-30: Tests — Test Db: Damp heat, cyclic (12 + 12 hour cycle) (IEC 60068-2-30:2005)*

EN 61000-4-2:1995, *Electromagnetic compatibility (EMC) — Part 4: Testing and measurement techniques — Section 2: Electrostatic discharge immunity test — Basic EMC publication (IEC 61000-4-2:1995)*

EN 61000-4-3:2006, *Electromagnetic compatibility (EMC) — Part 4-3: Testing and measurement techniques — Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2006)*

EN 61000-4-4:2004, *Electromagnetic compatibility (EMC) — Part 4-4: Testing and measurement techniques — Electrical fast transient/burst immunity test (IEC 61000-4-4:2004)*

EN 61000-4-5:2006, *Electromagnetic compatibility (EMC) — Part 4-5: Testing and measurement techniques — Surge immunity test (IEC 61000-4-5:2005)*

EN 61000-4-11, *Electromagnetic compatibility (EMC) — Part 4-11: Testing and measurement techniques — Voltage dips, short interruptions and voltage variations immunity tests (IEC 61000-4-11:2004)*

EN 61000-4-29, *Electromagnetic Compatibility (EMC) — Part 4-29: Testing and measurement techniques; Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests (IEC 61000-4-29:2000)*

EN ISO 9001:2000, *Quality management systems — Requirements (ISO 9001:2000)*

3 Terms, definitions and symbols

For the purposes of this document, the symbols and units given in EN 12209:2003 and the following terms and definitions apply.

3.1
electromechanical lock(s)
device using electrically operated means to effect or enable locking and/or unlocking

3.2
electromechanical strike(s)
locking plate using electrically operated means to effect or enable locking and/or unlocking

3.3
electric door magnet
device which uses only the magnetic attraction to effect or enable locking and/or unlocking

3.4
rated supply voltage
nominal voltage for which the device is intended

3.5
deadbolt
bolt of any kind that can be deadlocked

4 Classification

4.1 General

4.1.1 Mechanically operated locks and latches shall be classified according to the nine character classification system described in 4.3 to 4.11.

4.1.2 All locks regardless of classification shall meet the requirements of 5.1.1 and 5.1.2.