## საქართველოს სტანდარტი

ლითონის ნაკეთობანი მშენებლობისათვის - კლიტე და საკეტებიელექტრომექანიკურად მომუშავე საკეტები და გასაშლელი ფირფიტებიმოთხოვნები და გამოცდის მეთოდები

#### საინფორმაციო მონაცემები

- 1 შემუშავებულია საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს სტანდარტების დეპარტამენტის მიერ
- 2 დამტკიცებულია და შემოღებულია სამოქმედოდ საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს 2018 წლის 17 აგვისტოს № 85 განკარგულებით
- 3 მიღებულია გარეკანის თარგმნის მეთოდით სტანდარტიზაციის ევროპული კომიტეტის სტანდარტი ენ 14846:2008 ,, ლითონის ნაკეთობანი მშენებლობისათვის კლიტე და საკეტები- ელექტრომექანიკურად მომუშავე საკეტები და გასაშლელი ფირფიტები-მოთხოვნები და გამოცდის მეთოდები"

### 4 პირველად

**5 რეგისტრირებულია** საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 2018 წლის 17 აგვისტო N268-1.3-013955

## 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

## Contents

Page

Forewo	ord	4	
1	Scope	. 5	
2	Normative references	. 5	
3	Terms, definitions and symbols	6	
4	Classification		
4.1	General	. 6	
4.2 4.3	ClassificationCategory of use (first digit)		
4.3 4.4	Durability and load on latchbolt (second digit)	. <i>1</i> . 7	
4.5	Door mass and closing force (third digit)	. 8	
4.6	Suitability for use on fire/smoke doors (fourth digit)		
4.7 4.8	Safety (fifth digit)Corrosion, temperature and humidity (sixth digit)	. 9 . 9	
4.9	Security (seventh digit)	10	
4.10	Security - electrical function (eighth digit)		
4.11	Security - electrical manipulation (ninth digit)		
5 5.1	Requirements		
5.1 5.2	Category of use		
5.3	Durability	13	
5.4 5.5	Door mass and closing force		
ວ.ວ 5.6	Safety		
5.7	Corrosion, temperature and humidity requirements	14	
5.8	Security requirements		
5.9 5.10	Security – Electrical function – Status indication		
5.11	Requirements for product information		
6	Test methods	17	
6.1	Test procedure	17	
6.2 6.3	Category of use tests		
ნ.პ 6.4	Door mass and closing force		
6.5	Fire/smoke resistance tests	20	
6.6	Safety		
6.7 6.8	Corrosion, temperature and humidity tests		
6.9	Security – Electrical function tests – Status indication		
6.10	Security – Electrical manipulation tests	22	
7	Marking	23	
8	Evaluation of conformity	23	
8.1	Initial type test		
8.2 8.3	Sampling, testing and conformity criteria		
8.4	Periodic testing		
8.5	Annual testing		
Annex	A (normative) Fire/smoke test requirements	32	
Annex	B (normative) Test sampling and sequencing	33	
Annex C (normative) Installation and fixing instructions			

Annex ZA (normative) Clauses of this European Standard	i addressing the provisions of
the EU Construction Products Directive (89/106/E	EC) 37
Bibliography	43

#### **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.