
Avtomatske električne krmilne naprave za uporabo v gospodinjstvu in za podobno uporabo – 2-12. del: Posebne zahteve za električne zapore vrat (IEC 60730-2-12:2005, spremenjen)

Automatic electrical controls for household and similar use - Part 2-12: Particular requirements for electrically operated door locks (IEC 60730-2-12:2005, modified)

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Automatic electrical controls for household and similar use
Part 2-12: Particular requirements for electrically operated door locks
(IEC 60730-2-12:2005, modified)

Dispositifs de commande électrique
automatiques à usage domestique
et analogue
Partie 2-12: Règles particulières
pour les serrures électriques de portes
(CEI 60730-2-12:2005, modifiée)

Automatische elektrische Regel-
und Steuergeräte für den Hausgebrauch
und ähnliche Anwendungen
Teil 2-12: Besondere Anforderungen an
elektrisch betriebene Türverriegelungen
(IEC 60730-2-12:2005, modifiziert)

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This European Standard was approved by CENELEC on 2005-10-01. CENELEC 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.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 72/672/FDIS, future edition 2 of IEC 60730-2-12, prepared by IEC TC 72, Automatic controls for household use, was submitted to the IEC-CENELEC parallel vote. Together with common modifications prepared by the Technical Committee CENELEC TC 72, Automatic controls for household use, it was approved by CENELEC as EN 60730-2-12 on 2005-10-01.

This European Standard supersedes EN 60730-2-12:1993 and its amendments A1:1997 and A11:2005.

It incorporates amended requirements for electronic controls in Annex H.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2006-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-10-01

This Part 2-12 is to be used in conjunction with EN 60730-1:2000, Automatic electrical controls for household and similar use – Part 1: General requirements, and its amendments. Consideration may be given to future editions of EN 60730-1.

This Part 2-12 supplements or modifies the corresponding clauses of EN 60730-1 so as to convert it into the European Standard: Particular requirements for electrically operated door locks.

Where a particular clause or subclause of Part 1 is not mentioned in this Part 2-12, that clause or subclause applies as far as is reasonable. Where this Part 2-12 states “addition”, “modification” or “replacement”, the relevant text of Part 1 is to be adapted accordingly.

Where reference is made to other international or harmonized standards, the edition of that standard quoted in Annex ZA of EN 60730-1 is applicable.

There are no special national conditions (snc) causing a deviation from this European Standard other than those listed in Annex ZB of EN 60730-1.

There are no national deviations from this European Standard other than those listed in Annex ZC of EN 60730-1.

In this standard

- 1) the following print types are used:
 - requirements proper: in roman type;
 - *test specifications: in italic type;*
 - explanatory matter: in smaller roman type.
- 2) subclauses which are additional to those in Part 1 are numbered starting from 101.

Endorsement notice

The text of the International Standard IEC 60730-2-12:2005 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

- | | |
|-----------------|--|
| Foreword | Delete |
| 17 | Endurance |
| 17.1.3.1 | Delete the text between brackets in the second and the fourth indents. |
| 17.7 | Replace the title with the following new title:
17.7 Overvoltage test of automatic action at accelerated rate |
| 17.7.1 | Delete the text between brackets in the first paragraph. |
| 17.7.7 | Delete the "in some countries" note. |
| 17.10 | Replace the title with the following new title:
17.7 Overvoltage test of manual action at accelerated speed |
| 17.10.4 | Delete the "in some countries" note. |

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60730-2-12

Deuxième édition
Second edition
2005-08

**Dispositifs de commande électrique automatiques
à usage domestique et analogue –**

**Partie 2-12:
Règles particulières pour les serrures
électriques de portes**

(standards.iteh.ai)

**Automatic electrical controls for
household and similar use –**

**Part 2-12:
Particular requirements for electrically
operated door locks**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

AUTOMATIC ELECTRICAL CONTROLS FOR HOUSEHOLD AND SIMILAR USE –

Part 2-12: Particular requirements for electrically operated door locks

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60730-2-12 has been prepared by IEC technical committee 72: Automatic controls for household use.

This second edition cancels and replaces the first edition published in 1993 and Amendment 1 (1995). This second edition constitutes a technical revision, which incorporates amended requirements for electronic controls in Annex H

The text of this standard is based on the following documents:

FDIS	Report on voting
72/672/FDIS	72/679/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This Part 2-12 is intended to be used in conjunction with IEC 60730-1. It was established on the basis of the third edition of that standard (1999) and its amendment 1 (2003). Consideration may be given to future editions of, or amendments to, IEC 60730-1.

This Part 2-12 supplements or modifies the corresponding clauses in IEC 60730-1 so as to convert that publication into the IEC standard: Particular requirements for electrically operated door locks.

Where this Part 2-12 states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in Part 1 should be adapted accordingly.

Where no change is necessary, this Part 2-12 indicates that the relevant clause or subclause applies.

The list of other parts of the IEC 60730 series can be found on the IEC website.

In the development of a fully international standard it has been necessary to take into consideration the differing requirements resulting from practical experience in various parts of the world and to recognize the variation in national electrical systems and wiring rules.

The "in some countries" notes regarding differing national practice are contained in the following subclauses:

- 17.1.3.1
- 17.7
- 17.7.1
- 17.7.7
- 17.10
- 17.10.4

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 - explanatory matter: in smaller roman type.
- 2) Subclauses or figures which are additional to those in Part 1 are numbered starting from 101.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

AUTOMATIC ELECTRICAL CONTROLS FOR HOUSEHOLD AND SIMILAR USE –

Part 2-12: Particular requirements for electrically operated door locks

1 Scope and normative references

This clause of Part 1 is applicable except as follows:

1.1 *Replacement:*

In general, this part of IEC 60730 applies to electrically operated door locks intended to prevent the opening of doors in equipment for household and similar use.

1.1.1 *Replacement:*

This standard applies to the inherent safety, to the operating values, operating sequences where such are associated with equipment protection, and to the testing of door locks used in, or in association with, household and similar equipment.

This standard is also applicable to door locks for appliances within the scope of IEC 60335-1.

Throughout this standard, the word “equipment” means “appliance” and “equipment”.

Throughout this standard, the word “door” means “door, cover or lid”. The words “door lock” mean “electrically operated door lock”.

This standard does not apply to door locks designed exclusively for industrial applications.

This standard is also applicable to individual door locks utilized as part of a control system or door locks which are mechanically integral with multi-functional controls having non-electrical outputs.

Door locks for equipment not intended for normal household use, but which nevertheless may be used by the public, such as equipment intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard.

See also Annex J.

1.1.2 *Replacement:*

This standard applies to door locks with electrical circuits and control circuits which are, for example, operated by bimetals, magnet coils, memory metals, pressure elements, temperature-sensitive expansion elements or electronic elements.

1.1.3 Not applicable.