

<b>STN</b>	<b>Automatické elektrické riadiace zariadenia Časť 2-12: Osobitné požiadavky na zámky do dverí s elektrickým ovládaním</b>	<b>STN EN IEC 60730-2-12</b>  36 1950
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Automatic electrical controls - Part 2-12: Particular requirements for electrically operated door locks

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/19

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**EN IEC 60730-2-12**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Automatic electrical controls - Part 2-12: Particular requirements  
for electrically operated door locks  
(IEC 60730-2-12:2015)**

Dispositifs de commande électrique automatiques - Partie  
2-12: Règles particulières pour les serrures électriques de  
portes  
(IEC 60730-2-12:2015)

Automatische elektrische Regel- und Steuergeräte - Teil 2-  
12: Besondere Anforderungen an elektrisch betriebene  
Türverriegelungen  
(IEC 60730-2-12:2015)

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 60730-2-12:2019 (E)****European foreword**

The text of document 72/981/FDIS, future edition 3 of IEC 60730-2-12, prepared by IEC/TC 72 "Automatic electrical controls" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60730-2-12:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2019-10-05
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-04-05

This document supersedes EN 60730-2-12:2006.

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The text of the International Standard IEC 60730-2-12:2015 was approved by CENELEC as a European Standard without any modification.



**IEC 60730-2-12**

Edition 3.0 2015-04

# **INTERNATIONAL STANDARD**

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**Automatic electrical controls –  
Part 2-12: Particular requirements for electrically operated door locks**



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IEC 60730-2-12

Edition 3.0 2015-04

# INTERNATIONAL STANDARD

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**Automatic electrical controls –  
Part 2-12: Particular requirements for electrically operated door locks**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**AUTOMATIC ELECTRICAL CONTROLS –****Part 2-12: Particular requirements for  
electrically operated door locks**

## FOREWORD

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International Standard IEC 60730-2-12 has been prepared by technical committee 72: Automatic electrical controls.

This third edition cancels and replaces the second edition published in 2005. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition:

- a) aligns the text with IEC 60730-1, Edition 5;
- b) modifies requirements for Class B control function (H.27.1.2.2);
- c) modifies requirements for Class C control function (H.27.1.2.3);
- d) modifies requirements for faults during safety shut-down.



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

FDIS	Report on voting
72/981/FDIS	72/993/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 is intended to be used in conjunction with IEC 60730-1. It was established on the basis of the fifth edition (2013) of that publication. Consideration may be given to future editions of, or amendments to, IEC 60730-1.

This part 2 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 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 indicates that the relevant clause or subclause applies.

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 practices are contained in the following subclauses:

17.1.3.1

17.7.1

17.7.7

17.10.4

27.2.3.1

In this publication:

1) The following print types are used:

- Requirements proper: in roman type;
- *Test specifications: in italic type;*
- Notes; in small roman type;
- Words defined in Clause 2: **bold**.

2) Subclauses, notes, tables and figures which are additional to those in part 1 are numbered starting from 101; additional annexes are lettered AA, BB, etc.

A list of all parts of the IEC 60730 series, published under the title *Automatic electrical controls* can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website 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.

A bilingual version of this publication may be issued at a later date.

## AUTOMATIC ELECTRICAL CONTROLS –

### 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 Scope

###### *Replacement:*

This part of IEC 60730 applies to **electrically operated door locks** for use in, on or in association with equipment, including equipment for heating, air-conditioning and similar applications. The equipment may use electricity, gas, oil, solid fuel, solar thermal energy, etc., or a combination thereof.

NOTE 1 Throughout this standard, the word "equipment" includes "appliance" and "control system".

This standard also applies to **electrically operated door locks** for equipment that may be used by the public, such as equipment intended to be used in shops, offices, hospitals, farms and commercial and industrial applications.

This standard does not apply to **electrically operated door locks** intended exclusively for industrial process applications unless explicitly mentioned in the equipment standard.

This standard does not apply to **electrically operated door locks** intended for security access applications.

NOTE 2 Standards that cover these applications are under IEC Technical Committee 79.

###### 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 equipment.

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

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

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 or employing motors.

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.

This standard is also applicable to the **functional safety of low complexity safety related systems and controls** employing door locks as the actuating element.

**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.**1.1.4 Replacement:**

This standard applies to **manual controls** when such are electrically and/or mechanically integral with door locks.

NOTE Requirements for manual switches not forming part of a door lock are contained in IEC 61058-1.

**1.1.5 Replacement:**

This standard applies to a.c. or d.c. powered door locks with a rated voltage not exceeding 690 V a.c. or 600 V d.c.

**1.1.6 Replacement:**

This standard does not take into account the **response value** of an **automatic action** of a door lock, if such a **response value** is dependent upon the method of mounting the **control** in the equipment. Where a **response value** is of significant purpose for the protection of the **user**, or surroundings, the value defined in the appropriate equipment standard or as determined by the manufacturer shall apply.

**1.1.7 Replacement:**

This standard applies also to door locks incorporating **electronic devices**, requirements for which are contained in Annex H and door locks using **thermistors**, requirements for which are contained in Annex J.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**