

# SLOVENSKI STANDARD

## SIST EN 60695-1-30:2017

01-julij-2017

Nadomešča:

SIST EN 60695-1-30:2009

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**Preskušanje požarne ogroženosti - 1-30. del: Vodilo za ocenjevanje požarne varnosti elektrotehniških izdelkov - Predizbira preskusnih procesov - Splošno vodilo (IEC 60695-1-30:2017)**

Fire hazard testing - Part 1-30: Guidance for assessing the fire hazard of electrotechnical products - Preselection testing process - General guidelines (IEC 60695-1-30:2017)

**iTeh STANDARD PREVIEW**

Prüfungen zur Beurteilung der Brandgefahr - Teil 1-30: Anleitung zur Beurteilung der Brandgefahr von elektrotechnischen Erzeugnissen - Anwendung von Vorauswahlverfahren - Allgemeiner Leitfaden (IEC 60695-1-30:2017)

[SIST EN 60695-1-30:2017](https://standards.iteh.ai/catalog/standards/sist/03c8835a-7ce6-495f-9764-37c44b1529b1/iec-60695-1-30-2017)

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Essais relatifs aux risques du feu - Partie 1-30: Lignes directrices pour l'évaluation des risques du feu des produits électrotechniques - Processus d'essais de présélection - Lignes directrices générales (IEC 60695-1-30:2017)

**Ta slovenski standard je istoveten z: EN 60695-1-30:2017**

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**ICS:**

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products
29.020	Elektrotehnika na splošno	Electrical engineering in general

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**en**

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EUROPEAN STANDARD

**EN 60695-1-30**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2017

ICS 13.220.40; 29.020

Supersedes EN 60695-1-30:2008

English Version

Fire hazard testing - Part 1-30: Guidance for assessing the fire hazard of electrotechnical products -  
Preselection testing process - General guidelines  
(IEC 60695-1-30:2017)

Essais relatifs aux risques du feu - Partie 1-30: Lignes directrices pour l'évaluation des risques du feu des produits électrotechniques - Processus d'essais de présélection - Lignes directrices générales  
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Prüfungen zur Beurteilung der Brandgefahr - Teil 1-30: Anleitung zur Beurteilung der Brandgefahr von elektrotechnischen Erzeugnissen - Anwendung von Vorauswahlverfahren - Allgemeiner Leitfaden  
(IEC 60695-1-30:2017)

This European Standard was approved by CENELEC on 2017-03-28. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

**EN 60695-1-30:2017****European foreword**

The text of document 89/1350/FDIS, future edition 3 of IEC 60695-1-30, prepared by IEC/TC 89 "Fire hazard testing" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60695-1-30:2017.

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) 2017-12-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-03-28

This document supersedes EN 60695-1-30:2008.

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SIST EN 60695-1-30:2017

The text of the International Standard IEC 60695-1-30:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC 60335-1:2010	NOTE	Harmonized as EN 60335-1:2012 (modified).
IEC 60335-1:2010/A1:2013	NOTE	Harmonized as EN 60335-1:2012/A1:201X <sup>1)</sup> (modified).

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1) At draft stage.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60695-1-10	-	Fire hazard testing - Part 1-10: Guidance for assessing the fire hazard of electrotechnical products - General guidelines	EN 60695-1-10	-
IEC 60695-1-11	-	Fire hazard testing - Part 1-11: Guidance for assessing the fire hazard of electrotechnical products - Fire hazard assessment	EN 60695-1-11	-
IEC 60695-1-12	-	Fire hazard testing - Part 1-12: Guidance for assessing the fire hazard of electrotechnical products - Fire safety engineering	-	-
IEC 60695-4	2012	Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products	EN 60695-4	2012
IEC Guide 104	-	The preparation of safety publications and the use of basic safety publications and group safety publications	-	-
ISO/IEC Guide 51	-	Safety aspects - Guidelines for their inclusion in standards	-	-
ISO 13943	2008	Fire safety - Vocabulary	EN ISO 13943	2010

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IEC 60695-1-30

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# INTERNATIONAL STANDARD

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**Fire hazard testing – Part 1-30: Guidance for assessing the fire hazard of electrotechnical products – Preselection testing process – General guidelines**

**Essais relatifs aux risques du feu – Partie 1-30: Lignes directrices pour l'évaluation des risques du feu des produits électrotechniques – Processus d'essai de présélection – Lignes directrices générales**

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## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	7
4 Principles of product design considering preselection .....	7
5 Advantages and limitations of preselection .....	8
6 Aspects of preselection relative to fire hazard assessment .....	9
Annex A (informative) Examples of test methods .....	10
A.1 General.....	10
A.2 Ignitability .....	10
A.3 Flammability and flame spread.....	10
A.4 Heat.....	11
A.5 Smoke .....	11
A.6 Toxicity .....	11
A.7 Corrosion .....	11
A.8 Abnormal heat .....	11
A.9 Tracking index .....	11
Annex B (informative) Use of preselection tests for flammability requirements for materials used in attended electric appliances – Illustrative example .....	12
Bibliography.....	14
Figure B.1 – Selection and sequence of tests for resistance to fire in attended appliances in accordance with Figure O.3 of IEC 60335-1 [1].....	13
Table 1 – Some factors which can affect fire performance in preselection tests .....	8

SIST EN 60695-1-30:2017  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## FIRE HAZARD TESTING –

**Part 1-30: Guidance for assessing the fire hazard of electrotechnical products – Preselection testing process – General guidelines**

## FOREWORD

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International Standard IEC 60695-1-30 has been prepared by IEC technical committee 89: Fire hazard testing.

This third edition cancels and replaces the second edition published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Reference to IEC 60695-1-12;
- b) Modified Introduction;
- c) Clause 2: updated and additional normative references;
- d) Clause 3: updated and additional terms and definitions;

- e) Clause 4: updated text, with a requirement and normative reference to IEC 60695-1-10, IEC 60695-1-11 and IEC 60695-1-12;
- f) Clause 5: modified text;
- g) Annex A: updated references with additions and deletions;
- h) Annex B: Examples of materials used in attended appliances replaces the previous example of an ITE product;
- i) Bibliographic references updated.

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

FDIS	Report on voting
89/1350/FDIS	89/1355/RVD

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

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

It has the status of a basic safety publication in accordance with IEC Guide 104 and ISO/IEC Guide 51.

This standard is to be used in conjunction with IEC 60695-1-10 and IEC 60695-1-11.

A list of all the parts in the IEC 60695 series, under the general title *Fire hazard testing*, can be found on the IEC website.

Part 1 consists of the following parts:

- Part 1-10: *Guidance for assessing the fire hazard of electrotechnical products – General guidelines*
- Part 1-11: *Guidance for assessing the fire hazard of electrotechnical products – Fire hazard assessment*
- Part 1-12: *Guidance for assessing the fire hazard of electrotechnical products – Fire safety engineering*
- Part 1-20: *Guidance for assessing the fire hazard of electrotechnical products – Ignitability – General guidance*
- Part 1-21: *Guidance for assessing the fire hazard of electrotechnical products – Ignitability – Summary and relevance of test methods*
- Part 1-30: *Guidance for assessing the fire hazard of electrotechnical products – Preselection testing process – General guidelines*
- Part 1-40: *Guidance for assessing the fire hazard of electrotechnical products – Insulating liquids*

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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

## INTRODUCTION

In the design of any electrotechnical product, the risk of fire and the potential hazards associated with fire need to be considered. In this respect the objective of component, circuit and equipment design as well as the choice of materials is to reduce the risk of fire to a tolerable level even in the event of reasonably foreseeable (mis)use, malfunction or failure. IEC 60695-1-10, IEC 60695-1-11 and IEC 60695-1-12 provide guidance on how this is to be accomplished.

The best method for testing electrotechnical products with regard to fire hazard is to duplicate exactly the conditions occurring in practice within a real-scale fire test. Where this is not practicable, fire hazard testing is conducted by simulating as closely as possible, the actual conditions of use and of the situation to which a sub-assembly, component, part or material may be exposed in such use.

Preselection is the procedure for assessing and choosing materials, components or sub-assemblies for parts of end products. Preselection has been used for many years to assist in the design stage of the end product.

The information gained from properly designed small-scale tests can be used as an aid for the preselection of appropriate materials, parts, components or sub-assemblies with regard to the fire hazard evaluation of the final end product. As an outcome of conducting a fire hazard assessment, an appropriate series of preselection flammability and ignition tests may enable reduced end product testing.

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