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**Preskušanje požarne ogroženosti - 4. del: Izrazje v zvezi s požarnimi preskusi elektrotehničnih proizvodov (IEC 60695-4:2005)**

**(istoveten EN 60695-4:2006)**

Fire hazard testing - Part 4: Terminology concerning fire tests for electrotechnical products (IEC 60695-4:2005)

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English version

**Fire hazard testing**  
**Part 4: Terminology concerning fire tests**  
**for electrotechnical products**  
(IEC 60695-4:2005)

Essais relatifs aux risques du feu  
Partie 4: Terminologie relative  
aux essais au feu pour les produits  
électrotechniques  
(CEI 60695-4:2005)

Prüfungen zur Beurteilung der  
Brandgefahr  
Teil 4: Terminologie der Brandprüfungen  
elektrotechnischer Produkte  
(IEC 60695-4:2005)

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This European Standard was approved by CENELEC on 2006-10-01. 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 the International Standard IEC 60695-4:2005, prepared by IEC TC 89, Fire hazard testing, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 60695-4 on 2006-10-01 without any modification.

This European Standard supersedes EN 60695-4:1995.

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) 2007-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-10-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60695-4:2005 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA**  
(normative)

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

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.

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC Guide 104	1997	The preparation of safety publications and the use of basic safety publications and group safety publications	-	-
ISO 13943	2000	Fire safety - Vocabulary	EN ISO 13943	2000
ISO/IEC Guide 51	1999	Safety aspects - Guidelines for their inclusion in standards	-	-

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Troisième édition  
Third edition  
2005-05

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PUBLICATION FONDAMENTALE DE SÉCURITÉ  
BASIC SAFETY PUBLICATION

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**Essais relatifs aux risques du feu –**

**Partie 4:  
Terminologie relative aux essais au feu  
pour les produits électrotechniques**

iTeh STANDARD PREVIEW

**Fire (hazard testing –**

**Part 4:** [SIST EN 60695-4:2007](https://standards.iteh.ai/catalog/standards/sist/727b9cdd-30e6-4113-9f18-557fbc895501/sist-en-60695-4-2007)

**Terminology concerning fire tests  
for electrotechnical products**

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International Electrotechnical Commission  
Международная Электротехническая Комиссия

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For price, see current catalogue*

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## FIRE HAZARD TESTING –

**Part 4: Terminology concerning fire tests  
for electrotechnical products**

## 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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- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60695-4 has been prepared by IEC technical committee 89: Fire hazard testing.

This third edition of IEC 60695-4 cancels and replaces the second edition issued in 1993 and its two amendments issued in 1995 and 2001. It constitutes a technical revision.

The document 89/695/FDIS, circulated to the National Committees as amendment 3, led to the publication of the new edition.

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

The text of this standard is based on the second edition, its amendment 1, amendment 2 and on the following documents:

FDIS	Report on voting
89/695/FDIS	89/702/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.

The following standards are part of the same series, under the general title *Fire hazard testing*:

- Part 1: Guidance for assessing the fire hazard of electrotechnical products
- Part 2: Glowing/hot-wire based test methods
- Part 3: Examples of fire hazard assessment procedures and interpretation of results
- Part 4: Terminology concerning fire tests for electrotechnical products
- Part 5: Corrosion damage effects of fire effluent
- Part 6: Smoke obscuration
- Part 7: Toxicity of fire effluent
- Part 8: Heat release
- Part 9: Surface spread of flame
- Part 10: Abnormal heat
- Part 11: Test flames

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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.

## FIRE HAZARD TESTING – Part 4: Terminology concerning fire tests for electrotechnical products

### 1 Scope

The terms and definitions defined in this standard are applicable to fire tests for electro-technical products.

One of the responsibilities of a technical committee is, wherever applicable, to make use of basic safety publications in the preparation of its publications.

### 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.

IEC Guide 104:1997, *The preparation of safety publications and the use of basic safety publications and group safety publications*

ISO/IEC 13943:2000, *Fire safety – Vocabulary*

[SIST EN 60695-4:2007](https://standards.iteh.ai/SIST/EN/60695-4/2007)

ISO/IEC Guide 51:1999, *Safety aspects – Guidelines for their inclusion in standards*

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### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply. Some of the terms and definitions listed appear in ISO/IEC 13943.

#### 3.1

##### **abnormal heat**

heat that is additional to that resulting from use under normal conditions, up to and including that which causes a fire situation

#### 3.2

##### **acute toxicity**

ability of a substance to produce rapidly occurring adverse effects upon a living organism

#### 3.3

##### **afterflame time**

the length of time during which an afterflame persists (also called duration of flaming)

#### 3.4

##### **afterglow time**

the time length of during which an afterglow persists