SLOVENSKI STANDARD
SIST EN 60695-11-5:2005

01-julij-2005

Nadomešča:
SIST EN 60695-2-2:1999
SIST EN 60695-2-2:1999/A1:1999

Preskušanje požarne ogroženosti - 11-5. del: Preskusni plameni - Preskusna metoda z igličastim plamenom - Preskusna naprava, priprava na potrditveni preskus in navodilo (IEC 60695-11-5:2004)

Fire hazard testing -- Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance

Prüfungen zur Beurteilung der Brandgefahr -- Teil 11-5: Prüfflammen - Prüfverfahren mit der Nadelflamme - Versuchsaufbau, Vorkehrungen zur Bestätigungsprüfung und Leitfaden

Essais relatifs aux risques du feu -- Partie 11-5: Flammes d'essai - Méthode d'essai au brûleur-aiguille - Appareillage, dispositif d'essai de vérification et lignes directrices

Ta slovenski standard je istoveten z: **EN 60695-11-5:2005**

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

SIST EN 60695-11-5:2005 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60695-11-5

March 2005

ICS 13.220.40; 29.020

Supersedes EN 60695-2-2:1994 + A1:1995

English version

Fire hazard testing
Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance
(IEC 60695-11-5:2004)

Essais relatifs aux risques du feu
Partie 11-5: Flammes d'essai - Méthode d'essai au brûleur-aiguille - Appareillage, dispositif d'essai de vérification et lignes directrices
(CEI 60695-11-5:2004)

Prüfungen zur Beurteilung der Brandgefahr
Teil 11-5: Prüfflammen - Prüfverfahren mit der Nadelflamme - Versuchsaufbau, Vorkehrungen zur Bestätigungsprüfung und Leitfaden
(IEC 60695-11-5:2004)

This European Standard was approved by CENELEC on 2005-02-01. 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.

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, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and 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

Ref. No. EN 60695-11-5:2005 E

Foreword

The text of document 89/676/FDIS, future edition 1 of IEC 60695-11-5, prepared by IEC TC 89, Fire hazard testing, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60695-11-5 on 2005-02-01.

This European Standard supersedes EN 60695-2-2:1994 + A1:1995.

The structure of the standard remains essentially the same with some major new changes and concepts added:

– The scope has been broadened to allow this test method to also simulate the effects of small flames from outside the equipment.

– A new concept has been added which allows the burner to be moved during the test to avoid dripping material from falling onto the tip of the burner tube.

– The burner tube material is now a referenced source.

– The reference for the copper block material has changed - the ISO publication (ISO 1337) has been withdrawn with no replacement. A new callout is now used.

– Informative Annex B and a bibliography have been added.

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) 2005-11-01

– latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-02-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 60695-11-5:2004 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:

ISO 9626	NOTE	Harmonized as EN ISO 9626:1995 (not modified).

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

Publication	Year	Title	EN/HD	Year
IEC Guide 104	1997	The preparation of safety publications and the use of basic safety publications and group safety publications	-	-
ISO/IEC Guide 51	1999	Safety aspects - Guidelines for their inclusion in standards	-	-
ISO 13943	2000	Fire safety - Vocabulary	EN ISO 13943	2000
ISO 4046-4	2002	Paper, board, pulps and related terms - Vocabulary Part 4: Paper and board grades and converted products	-	-
ASTM B187	2003	Standard specification for copper, bus bar, rod, and shapes and general purpose rod, bar, and shapes	-	-

NORME INTERNATIONALE

INTERNATIONAL STANDARD

CEI
IEC
60695-11-5

Première édition
First edition
2004-12

PUBLICATION FONDAMENTALE DE SÉCURITÉ
BASIC SAFETY PUBLICATION

Essais relatifs aux risques du feu –

Partie 11-5:
Flammes d'essai –
Méthode d'essai au brûleur-aiguille –
Appareillage, dispositif d'essai de vérification et lignes directrices

Fire hazard testing –

Part 11-5:
Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE R

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For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FIRE HAZARD TESTING –

Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance

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 60695-11-5 has been prepared by IEC technical committee 89: Fire hazard testing.

This first edition of IEC 60695-11-5 cancels and replaces the second edition of IEC 60695-2-2, issued in 1991 and its amendment 1 (1994). It also constitutes a technical revision.

The structure of this standard remains essentially the same with some major new changes and concepts added:

- The scope has been broadened to allow this test method to also simulate the effects of small flames from outside the equipment.
- A new concept has been added which allows the burner to be moved during the test to avoid dripping material from falling onto the tip of the burner tube.
- The burner tube material is now a referenced source.
- The reference for the copper block material has changed – the ISO publication (ISO 1337) has been withdrawn with no replacement. A new callout is now used.
- Informative Annex B and a bibliography have been added.

It 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 following documents:

FDIS	Report on voting
89/676/FDIS	89/679/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.

The IEC 60695-11 series, under the general title *Fire hazard testing*, consists of the following parts:

Part 11-2: Test flames – 1 kW nominal pre-mixed flame – Apparatus, confirmatory test arrangement and guidance

Part 11-3: Test flames – 500 W flames – Apparatus and confirmational test methods

Part 11-4: Test flames – 50 W flame – Apparatus and confirmational test methods

Part 11-5: Test flames – Needle flame test method – Apparatus, confirmatory test arrangement and guidance

Part 11-10: Test flames – 50 W horizontal and vertical flame test methods

Part 11-20: Test flames – 500 W flame test methods

Part 11-21: Test flames – 500 W vertical flame test method for tubular polymeric materials[1]

Part 11-30: Test flames – History and development from 1979 to 1999

Part 11-40: Test flames – Confirmatory tests – Guidance

[1] To be published.

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.