SLOVENSKI STANDARD
SIST EN 60695-2-12:2011/A1:2015

01-marec-2015

Preskušanje požarne ogroženosti - 2-12. del: Preskusne metode z žarilno žico - Preskusna metoda za materiale: indeks vnetljivosti z žarilno žico (GWFI) (IEC 60695-2-12:2010/A1:2014)

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials (IEC 60695-2-12:2010/A1:2014)

Prüfungen zur Beurteilung der Brandgefahr - Teil 2-12: Prüfverfahren mit dem Glühdraht - Prüfung mit dem Glühdraht zur Entflammbarkeit (GWFI) von Werkstoffen

Essais relatifs aux risques du feu - Partie 2-12: Essais au fil incandescent/chauffant - Méthode d'essai d'indice d'inflammabilité au fil incandescent (GWFI) pour matériaux

Ta slovenski standard je istoveten z: **EN 60695-2-12:2010/A1:2014**

ICS:

13.220.40	Sposobnost vžiga in obnašanje materialov in proizvodov pri gorenju	Ignitability and burning behaviour of materials and products

SIST EN 60695-2-12:2011/A1:2015 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60695-2-12:2010/A1

June 2014

ICS 13.220.40; 29.020

English Version

Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials (IEC 60695-2-12:2010/A1:2014)

Essais relatifs aux risques du feu - Partie 2-12: Essais au fil incandescent/chauffant - Méthode d'essai d'indice d'inflammabilité au fil incandescent (GWFI) pour matériaux (CEI 60695-2-12:2010/A1:2014)

Prüfungen zur Beurteilung der Brandgefahr - Teil 2-12: Prüfverfahren mit dem Glühdraht - Prüfung mit dem Glühdraht zur Entflammbarkeit (GWFI) von Werkstoffen (IEC 60695-2-12:2010/A1:2014)

This amendment A1 modifies the European Standard EN 60695-2-12:2010; it was approved by CENELEC on 2014-03-19. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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.

This amendment 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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

Foreword

The text of document 89/1198/FDIS, future IEC 60695-2-12:2010/A1, prepared by IEC TC 89, Fire hazard testing, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60695-2-12:2010/A1:2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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)	DAV + 6 months
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2017-03-19

Endorsement notice

The text of the International Standard IEC 60695-2-12:2010/A1:2014 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60695-2-11	NOTE Harmonized as EN 60695-2-11.
ISO/IEC 13943:2008	NOTE Harmonized as EN ISO 13943:2010.

Annex ZA
(normative)
Normative references to international publications with their corresponding European publications

Publication	Year	Title	EN/HD	Year
In Annex ZA of EN 60695-2-12:2010, remove the dates from the following existing references:				
IEC Guide 104	-	The preparation of safety publications and the use of basic safety publications and group safety publications	-	-
ISO 293	-	Plastics - Compression moulding of test specimens of thermoplastic materials	EN ISO 293	-
ISO 295	-	Plastics_- Compression moulding of test specimens of thermosetting materials	EN ISO 295	-
ISO/IEC Guide 51	-	Safety aspects - Guidelines for their inclusion in standards	-	-
In Annex ZA of EN 60695-2-12:2010, remove the following references:				
IEC 60695-2-11	2000	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001
ISO 13943	2008	Fire safety - Vocabulary	EN ISO 13943	2010

IEC 60695-2-12

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INTERNATIONAL STANDARD

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BASIC SAFETY PUBLICATION
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AMENDMENT 1
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Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials

Essais relatifs aux risques du feu – Partie 2-12: Essais au fil incandescent/chauffant – Méthode d'essai d'indice d'inflammabilité au fil incandescent (GWFI) pour matériaux

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FOREWORD

This amendment has been prepared by technical committee 89: Fire hazard testing.

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

FDIS	Report on voting
89/1198/FDIS	89/1207/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability 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.

INTRODUCTION

Replace the fourth paragraph of the Introduction by the following:

Fires involving electrotechnical products can also be initiated from external non-electrical sources. Considerations of this nature should be dealt with in the overall fire hazard assessment.

Replace the seventh paragraph by the following:

This part of IEC 60695 describes a glow-wire flammability index test for materials. It should be used to measure, describe, and rank the properties of materials in response to heat caused by contact with an electrically heated wire under controlled laboratory conditions. This may be useful for the evaluation of materials for use in products that may be exposed to excess thermal stress such as a fault current flowing through a wire, overloading of components, and/or bad connections. It should not be used to solely describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire hazard assessment which takes into account all of the factors which are pertinent to a particular end use.

2 Normative references

Remove the dates from the following existing references:

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 inclusion in standards*

ISO 293, *Plastics – Compression moulding of test specimens of thermoplastic materials*

ISO 295, *Plastics – Compression moulding of test specimens of thermosetting materials*

Remove the following references:

IEC 60695-2-11*, Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products*

ISO/IEC 13943:2008, *Fire safety – Vocabulary*

4.1 Test specimen preparation

Replace the first paragraph of 4.1 by the following:

Test specimens shall be fabricated using the appropriate ISO method, e.g. casting and injection moulding in accordance with the ISO 294 series, compression moulding in accordance with ISO 293 or ISO 295, or transfer moulding to the necessary shape. Where this is not possible, the test specimen shall be cut and/or sliced from a representative sample of the material (for example, produced using the same fabrication process as would be used to mould a part of a product).