
Gospodinjiski in podobni električni aparati - Varnost - 2-25. del: Posebne zahteve za mikrovalovne pečice, vključno s kombiniranimi mikrovalovnimi pečicami - Dopolnilo A2

Household and similar appliances - Safety - Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-25: Besondere Anforderungen für Mikrowellenkochgeräte und kombinierte Mikrowellenkochgeräte
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Appareils électrodomestiques et analogues - Sécurité - Partie 2-25: Règles particulières pour les fours à micro-ondes, y compris les fours à micro-ondes combinés

Ta slovenski standard je istoveten z: EN 60335-2-25:2012/A2:2016

ICS:

13.120	Varnost na domu	Domestic safety
97.040.20	Štedilniki, delovni pultji, pečice in podobni aparati	Cooking ranges, working tables, ovens and similar appliances

SIST EN 60335-2-25:2012/A2:2016 **en**

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SIST EN 60335-2-25:2012/A2:2016

<https://standards.iteh.ai/catalog/standards/sist/b89b1099-445c-4c1a-95fa-ba7f2e0b73ba/sist-en-60335-2-25-2012-a2-2016>

EUROPEAN STANDARD

EN 60335-2-25:2012/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2016

ICS 13.120; 97.040.20

English Version

Household and similar electrical appliances - Safety -
Part 2-25: Particular requirements for microwave ovens,
including combination microwave ovens
(IEC 60335-2-25:2010/A2:2015)

Appareils électrodomestiques et analogues - Sécurité -
Partie 2-25: Règles particulières pour les fours à micro-
ondes, y compris les fours à micro-ondes combinés
(IEC 60335-2-25:2010/A2:2015)

Sicherheit elektrischer Geräte für den Hausgebrauch und
ähnliche Zwecke - Teil 2-25: Besondere Anforderungen für
Mikrowellenkochgeräte und kombinierte
Mikrowellenkochgeräte
(IEC 60335-2-25:2010/A2:2015)

This amendment A2 modifies the European Standard EN 60335-2-25:2012; it was approved by CENELEC on 2015-12-28. 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

EN 60335-2-25:2012/A2:2016**European foreword**

The text of document 61B/537/FDIS, future IEC 60335-2-25:2010/A2, prepared by SC 61B "Safety of microwave appliances for household and commercial use", of IEC/TC 61 "Safety of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60335-2-25:2012/A2:2016.

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) 2016-09-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-12-28

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice
<https://standards.iteh.ai/catalog/standards/sist-en-60335-2-25-2012-a2-2016>

The text of the International Standard IEC 60335-2-25:2010/A2:2015 was approved by CENELEC as a European Standard without any modification.

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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In Annex ZA of EN 60335-2-25:2012, **replace** IEC 60335-2-6 by the following:

IEC 60335-2-6 (mod)	2014	Household and similar electrical appliances - Safety - Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances	EN 60335-2-6	2015
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IEC 60335-2-25

Edition 6.0 2015-11

INTERNATIONAL STANDARD

AMENDMENT 2
AMENDEMENT 2

Household and similar electrical appliances – Safety –
Part 2-25: Particular requirements for microwave ovens, including combination
microwave ovens

Appareils électrodomestiques et analogues – Sécurité –
Partie 2-25: Règles particulières pour les fours à micro-ondes, y compris les
fours à micro-ondes combinés

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 13.120; 97.040.20

ISBN 978-2-8322-3004-6

Warning! Make sure that you obtained this publication from an authorized distributor.

FOREWORD

This amendment has been prepared by subcommittee SC61B: Safety of microwave appliances for household and commercial use, of IEC technical committee 61: Safety of household and similar electrical appliances.

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

FDIS	Report on voting
61B/537/FDIS	61B/540/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.

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NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations can need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

<https://standards.iteh.ai/catalog/standards/sist/b89b1099-445c-4c1a-95fa-337956172016>

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

2 Normative references

Replace, in the existing reference to IEC 60335-2-6, "IEC 60335-2-6" by "IEC 60335-2-6:2014".

7 Marking and instructions

7.12

Addition:

Add, after the last dashed item, the following new dashed item:

- The appliance shall not be cleaned with a steam cleaner.

22 Construction

Addition:

Add, after the existing 22.118, the following new subclause:

22.119 Outer glass panels of microwave oven doors which break during the test of 21.104 and with an area having any two orthogonal dimensions exceeding 75 mm shall be made from

- glass that breaks into small pieces when it fractures; or
- glass that is not released or dropped from its normal position when broken; or
- glass with enhanced mechanical strength.

For glass that breaks into small pieces when it fractures, compliance is checked by the following test which is performed on two samples.

Frames or other parts attached to the glass panel to be tested are removed and the glass is placed on a rigid horizontal flat surface.

NOTE 1 The edges of the sample to be tested are contained within a frame of adhesive tape in such a manner that the broken pieces remain in place after breakage but without hindering expansion of the sample.

The sample under test is broken by means of a test punch having a head with a mass of 75 g ± 5 g and a conical tungsten carbide tip with an angle of 60° ± 2°. The punch shall be positioned approximately 13 mm in from the longest edge of the glass at the midpoint of that edge. The punch is then hit by a hammer so that the glass breaks.

A transparent mask of 50 mm × 50 mm is placed on the fractured glass except within a peripheral margin of 25 mm from the edge of the sample.

The assessment shall be undertaken on at least two areas of the sample, and the areas chosen shall contain the largest particles.

The number of crack free particles totally within the mask is counted and for each assessment shall not be less than 40. The particle count shall be made within 5 min of the fracture.

NOTE 2 In the case of curved glass, plane pieces of the same material can be used for the test.

For glass that is not released or dropped from its normal position when broken, compliance is checked by breaking the glass when mounted in its normal position in the appliance by means of a test punch having a head with a mass of 75 g ± 5 g and a conical tungsten carbide tip with an angle of 60° ± 2°. The punch shall be positioned approximately 13 mm in from the longest edge of the glass at the midpoint of that edge. The punch is then hit by a hammer so that the glass breaks.

At the conclusion of this test the glass shall not be broken or cracked such that pieces are released or dropped from their normal position. Glass that is released within the immediate vicinity of the punch tip as a result of the punch impacting the sample under test is ignored.

For glass with enhanced mechanical strength, compliance is checked by the pendulum hammer test Eha of IEC 60068-2-75.

For the test the glass panels are supported according to their method of incorporation in the appliance.

The test is performed with three blows applied at the most critical point on two samples, the impact energy of each blow shall be 5 J.

At the conclusion of the tests the glass shall not be broken or cracked.