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# Elektriske apparater til husholdningsbrug o.l. – Sikkerhed – Del 2-24: Særlige krav til køleapparater, iscrememaskiner og ismaskiner

Household and similar electrical appliances – Safety –  
Part 2-24: Particular requirements for refrigerating  
appliances, ice-cream appliances and ice makers

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DS projekt: M285187

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**DS/EN, hvilket betyder, at det er en europæisk standard, der har status som dansk standard.**

**Denne publikations overensstemmelse er:**

**IDT med: IEC 60335-2-24/AMD2 ED7**

**IDT med: EN 60335-2-24:2010/A2:2019**

**DS-publikationen er på engelsk.**

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## EUROPÄISCHE NORM

January 2019

ICS 97.040.30

English Version

Household and similar electrical appliances - Safety - Part 2-24:  
Particular requirements for refrigerating appliances, ice-cream  
appliances and ice makers  
(IEC 60335-2-24:2010/A2:2017)

Appareils électrodomestiques et analogues - Sécurité -  
Partie 2-24: Règles particulières pour les appareils de  
réfrigération, les sorbetières et les fabriques de glace  
(IEC 60335-2-24:2010/A2:2017)

Sicherheit elektrischer Geräte für den Hausgebrauch und  
ähnliche Zwecke - Teil 2-24: Besondere Anforderungen für  
Kühl-/Gefriergeräte und Speiseeis- und Eisbereiter  
(IEC 60335-2-24:2010/A2:2017)

This amendment A2 modifies the European Standard EN 60335-2-24:2010; it was approved by CENELEC on 2017-04-10. 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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## European foreword

The text of document 61C/694/FDIS, future edition 7 of IEC 60335-2-24:2010/A2, prepared by IEC/SC 61C, "Safety of refrigeration 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 60335-2-24:2010/A2:2019.

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) 2019-07-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-07-11

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

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

## Endorsement notice

The text of the International Standard IEC 60335-2-24:2010/A2:2017 was approved by CENELEC as a European Standard without any modification.

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## Annex ZC (normative)

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

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where 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>
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*In Annex ZC of EN 60335-2-24:2010, deletion of references to IEC 60079-4A and IEC/TR 60079-20.*

*Addition to Annex ZC of EN 60335-2-24:2010:*

IEC 60079-20-1	-	Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data	EN 60079-20-1	-
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*Replacement in Annex ZC of EN 60335-2-24:2010:*

ISO 817	-	Refrigerants - Designation and safety classification	-	-
ISO 5149-1	-	Refrigerating systems and heat pumps - Safety and environmental requirements - Part 1: Definitions, classification and selection criteria	-	-

This is a preview of "DS/EN 60335-2-24:2010/A2:2019 (IE)". Click here to purchase the full version from the ANSI store.

**Annex ZZ**  
(informative)

**Relationship between this European Standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered**

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Compliance with this Part 2 when used together with the Part 1 provides one means of conformity with the safety objectives.

**Table ZZA.1 – Correspondence between this European Standard and Annex I of Directive 2014/35/EU [2014 OJ L96]**

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks/ Notes
1 a)	Clauses 4, 7	None
1 b)	Clauses 4, 7	None
1 c)	Clauses 4, 7	None
2 a)	Clauses 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31	None
2 b)	Clauses 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31	None
2 c)	Clauses 6, 7, 11, 15, 17, 18, 19, 20, 21, 22, 24, 25, 30, 32	None
2 d)	Clauses 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31	None
3 a)	Clauses 6, 7, 11, 17, 18, 19, 20, 21, 22	None
3 b)	Clauses 7, 11, 15, 19, 22, 25, 32	None
3 c)	Clauses 6, 7, 9, 10, 11, 14, 17, 18, 19, 21, 22	None

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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Edition 7.0 2017-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 2  
AMENDEMENT 2

**Household and similar electrical appliances – Safety –  
Part 2-24: Particular requirements for refrigerating appliances, ice-cream  
appliances and ice-makers**

**Appareils électrodomestiques et analogues – Sécurité –  
Partie 2-24: Règles particulières pour les appareils de réfrigération, les  
sorbetières et les fabriques de glace**



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Edition 7.0 2017-04

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## FOREWORD

This amendment has been prepared by sub-committee 61C: Safety of refrigeration 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
61C/694/FDIS	61C/700/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 website 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.

NOTE The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may 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.

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.

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## 2 Normative references

*Delete references IEC 60079-4A and IEC/TR 60079-20 from the existing list.*

*Add the following new reference:*

IEC 60079-20-1, *Explosive atmospheres – Part 20-1: Material characteristics for gas and vapour classification – Test methods and data*

*Replace the reference to ISO 817 by the following new reference:*

ISO 817, *Refrigerants – Designation and safety classification*

*Replace the reference to ISO 5149 by the following new reference:*

ISO 5149-1, *Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Definitions, classification and selection criteria*