
Safety of household and similar electrical appliances - Part 2: Particular requirements for frying pans, deep fat fryers and similar appliances (IEC 335-2-13:1987, modified)

Safety of household and similar electrical appliances -- Part 2: Particular requirements for frying pans, deep fat fryers and similar appliances

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke -- Teil 2: Besondere Anforderungen für Fritiergeräte, Bratpfannen und ähnliche Geräte
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Sécurité des appareils électrodomestiques et analogues -- Partie 2: Règles particulières pour les poêles à frire, les friteuses et appareils analogues

Ta slovenski standard je istoveten z: EN 60335-2-13:1990/A1:1992

ICS:

13.120	Varnost na domu	Domestic safety
97.040.50	Majhni gospodinjski aparati	Small kitchen appliances

SIST EN 60335-2-13:1995**en**

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[SIST EN 60335-2-13:1995](https://standards.iteh.ai/catalog/standards/sist/58ec747e-1a7d-4437-87b9-66eb15fbc9bc/sist-en-60335-2-13-1995)

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EUROPEAN STANDARD
NORME EUROPEENNE
EUROPÄISCHE NORM

EN 60335-2-13

April 1990

UDC 621.365:64-621-83:64:614.8.004.1- -03- 1995 Supersedes HD 279 S1:1986
777:621.396.669.8

Descriptors: Household electrical appliance, frying pan, deep fat fryer,
protection against electric shock, protection against fire risk,
protection against mechanical hazard

English version

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES
PART 2: PARTICULAR REQUIREMENTS FOR FRYING PANS, DEEP
FAT FRYERS AND SIMILAR APPLIANCES
(IEC 335-2-13:1987, modified)

Sécurité des appareils électrodomestiques et analogues Deuxième partie: Règles particulières pour les poêles à frire, les friteuses et appareils analogues (CEI 335-2-13:1987, modifiée)	Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke Teil 2: Besondere Anforderungen für Bratpfannen, Fritiergeräte und ähnliche Geräte (IEC 335-2-13:1987, modifiziert)
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This European Standard was approved by CENELEC on 11 September 1989. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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 Bréderode 2, B - 1000 Brussels

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Ref. No. EN 60335-2-13:1990 E

BRIEF HISTORY

The proposal to endorse the third edition of IEC Publication 335-2-13, document CLC/TC 61 (SEC) 555, was circulated under the enquiry procedure in May 1987.

This proposal was discussed during the Neusiedl meeting in May 1988 when it was decided to submit a draft for EN 60335-2-13 to the voting procedure. This procedure started in March 1989.

The text of this draft was ratified by the CENELEC Technical Board on the 11th of September 1989.

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[SIST EN 60335-2-13:1995](https://standards.iteh.ai/catalog/standards/sist/58ec747e-1a7d-4437-87b9-66eb15fbc9bc/sist-en-60335-2-13-1995)

<https://standards.iteh.ai/catalog/standards/sist/58ec747e-1a7d-4437-87b9-66eb15fbc9bc/sist-en-60335-2-13-1995>

FOREWORD

R This European Standard has been prepared by the Secretariat of CENELEC Technical Committee 61.

The following dates are applicable:

- date of announcement (doa) 1990-03-01
- date of latest publication (dop) 1990-09-01
- date of withdrawal of conflicting national standards (dow) 1993-09-01

This European Standard replaces HD 279 S1:1986.

For products which have complied with HD 279 S1:1986 before 1993-09-01, as shown by the manufacturer or by a Certification Body, this previous standard may continue to apply for production until 1998-09-01.

This document supplements or modifies the corresponding clauses of IEC 335-2-13:1987 so as to convert that standard into the European Standard EN 60335-2-13.

This standard has to be used in conjunction with EN 60335-1:1988, Safety of household and similar electrical appliances, Part 1: General requirements, including its Amendments 2:1988, 5:1989 and 6:1989.

Where a particular sub-clause of Part 1 is not mentioned in this Part 2, that sub-clause applies as far as is reasonable. Where this standard states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in Part 1 is to be adapted accordingly.

Sub-clauses which are in addition to those in IEC 335-1 are numbered starting with 101.

There are no special national conditions (snc) causing a deviation from this European Standard, other than those listed in Annex ZX of EN 60335-1.

There are no national deviations from this European Standard, other than those listed in Annex ZY of EN 60335-1.

Note. Where reference is made to other harmonized standards, the latest edition of that standard is applicable.

- r The following print types are used:
- R - requirements proper: in roman type (indicated in this document in the margin by R);
 - i - test specifications: in italic type (indicated in this document in the margin by i);
 - r - explanatory matter: in smaller roman type (indicated in this document in the margin by r).

Instructions for modification of the reference document are in italic type and are indicated in this document in the margin by i.

ENDORSEMENT NOTICE

R IEC 335-2-13:1987 applies, taking into account the following common modifications.

COMMON MODIFICATIONS

i Foreword Delete.

Preface Delete.

8. PROTECTION AGAINST ELECTRIC SHOCK

i Replace the text by:

R This clause of Part 1 is applicable except as follows:

i 8.6 Addition:

R This requirement does not apply to handles, levers and knobs of non-electrical accessories which are not permanently attached to the appliance.

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11. HEATING (standards.iteh.ai)

i Add: [SIST EN 60335-2-13:1995](https://standards.iteh.ai/catalog/standards/sist/en-60335-2-13-1995)

11.3 <https://standards.iteh.ai/catalog/standards/sist/58ec747e-1a7d-4437-87b9-66eb15fbc9bc/sist-en-60335-2-13-1995>

Addition: The temperature rise of the oil in deep fat fryers is determined by means of thermocouples attached to small disks of copper or brass, 15 mm in diameter and 1 mm thick.

11.8 Replace "IEC Publication 320" by "EN 60320" (in two places).

19. ABNORMAL OPERATION

i 19.11 Add to the text "when steady conditions are established".

22. CONSTRUCTION

i 22.1 Delete.

24. COMPONENTS

i 24.1 Replace "IEC Publication 320" by "EN 60320" (in four places).

COMMON MODIFICATIONS

- i Add:
- 24.11 Addition:
r Deep fat fryers are considered to be intended for use unattended.
25. **SUPPLY CONNECTION AND EXTERNAL FLEXIBLE CABLES AND CORDS**
- i 25.2 Replace "IEC Publication 320" by "EN 60320".
- 25.6 Replace the addition by:
- R The power supply cord of deep fat fryers shall be not lighter than:
- if polyvinyl chloride insulated, ordinary polyvinyl chloride sheathed flexible cord (code designation H05 VV-F or H05 VVH2-F);
 - if rubber insulated, ordinary polychloroprene sheathed flexible cord (code designation H05 RN-F) or an equivalent cord, the sheath of which is equally resistant to oil.
30. **RESISTANCE TO HEAT, FIRE AND TRACKING**
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- i Replace the text by:
- R **This clause of Part 1 is applicable except as follows:**
<https://standards.iteh.ai/catalog/standards/sist/en-60335-2-13-1995/66eb15fbc9bc/sist-en-60335-2-13-1995>
- i 30.4 Addition:
Frying pans are regarded as appliances which are operated while attended.
Deep fat fryers are regarded as appliances which are liable to be operated while unattended.

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[SIST EN 60335-2-13:1995](https://standards.iteh.ai/catalog/standards/sist/58ec747e-1a7d-4437-87b9-66eb15fbc9bc/sist-en-60335-2-13-1995)

<https://standards.iteh.ai/catalog/standards/sist/58ec747e-1a7d-4437-87b9-66eb15fbc9bc/sist-en-60335-2-13-1995>

EUROPEAN STANDARD
NORME EUROPEENNE
EUROPÄISCHE NORM

EN 60335-2-13/A1

October 1992

UDC 641.542.74:64.06-83:614.8

Descriptors: Household electrical appliances, frying pans, deep fat fryers, protection against electric shock, fire protection, protection against mechanical hazard

Amendment A1 to the English version of EN 60335-2-13

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES
PART 2: PARTICULAR REQUIREMENTS FOR FRYING PANS, DEEP FAT
FRYERS AND SIMILAR APPLIANCES

(Amendment 1:1990 to IEC 335-2-13:1987)

Sécurité des appareils
électrodomestiques
et analogues
Deuxième partie:
Règles particulières pour
poêles à frire, les friteuses
et appareils analogues
(Modification 1:1990 à la
CEI 335-2-13:1987)

Sicherheit elektrischer
Geräte für den Hausgebrauch
und ähnliche Zwecke
Teil 2:
Besondere Anforderungen für
Bratpfannen, Fritiergeräte
und ähnliche Geräte
(Änderung 1:1990 zu
IEC 335-2-13:1987)

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This amendment A1 modifies the European Standard EN 60335-2-13:1990. It was approved by CENELEC on 15 September 1992. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

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Ref. No. EN 60335-2-13:1990/A1:1992 E

FOREWORD

R The proposal to endorse amendment 1:1990 to IEC 335-2-13:1987, document CLC/TC (SEC) 738, was circulated under the enquiry procedure in June 1990.

This proposal was discussed during the Brussels meeting in November 1991 when it was decided to submit a draft for an amendment to EN 60335-2-13 to the voting procedure. This draft was circulated as prAA in March 1992 and was ratified by CENELEC as amendment A1 on the 15th of September 1992.

This amendment has been prepared by the secretariat of CENELEC technical committee TC 61.

The following dates are applicable:

- latest date of publication
of an identical national standard (dop) 1993-07-01
- date of withdrawal of
conflicting national standards (dow) 1995-07-01

For products which have complied with EN 60335-2-13:1990 before 1995-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-07-01.

As a consequence of endorsing amendment 1 to IEC 335-2-13, the common modification in EN 60335-2-13 concerning subclause 30.4 is withdrawn. This procedure results in replacing this common modification by similar IEC text.

EN 60335-2-13, including this amendment, has to be used in conjunction with EN 60335-1:1988, including its amendments A2:1988, A5:1989, A6:1989, A51:1991, A52:1992 and A53:1992.

There are no special national conditions (snc) causing a deviation from this amendment.

There are no national deviations from this amendment.

r NOTE: The UDC of this amendment replaces that of EN 60335-2-13:1990.

ENDORSEMENT NOTICE

R The text of amendment 1:1990 to the International Standard IEC 335-2-13:1987 was approved by CENELEC as an amendment to the European Standard without any modification.

NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI
IEC
335-2-13

Troisième édition
Third edition
1987



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

Sécurité des appareils électrodomestiques et analogues

Deuxième partie: Règles particulières pour les poêles à frrire,
les friteuses et appareils analogues

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Safety of household and similar electrical appliances

Part 2: Particular requirements for frying pans, deep fat fryers
and similar appliances

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