

Safety of household and similar electrical appliances —

Part 2-14: Particular requirements for kitchen machines

The European Standard EN 60335-2-14:1996 with the incorporation of amendments A11:1998, A1:1998 and A2:2000 has the status of a British Standard

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by Technical Committee CPL/61, Safety of electrical appliances, to Subcommittee CPL/61/27 Food preparation machines, upon which the following bodies were represented:

- Association of Control Manufacturers (TACMA (BEAMA Ltd.))
- Association of Manufacturers of Domestic Electrical Appliances
- British Electrotechnical Approvals Board
- Consumer Policy Committee of BSI
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Electricity Association

This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 January 1997

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National foreword

This British Standard has been prepared by Subcommittee CPL/61/27 and is the English language version of EN 60335-2-14:1996, *Safety of household and similar electrical appliances — Part 2-14: Particular requirements for kitchen machines*, including amendments A11:1998, A1:1998, A2:2000 and Corrigendum November 1998 published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived by CENELEC from IEC 60335-2-14:1994, including amendment 1:1998 and amendment 2:1999 published by the International Electrotechnical Commission (IEC).

This British Standard supersedes BS 3456-202:Section 202.14:1990 which will be withdrawn on 1 January 1999 in accordance with the CENELEC Internal Regulations. Certificates and marks will not be awarded after this date with respect to BS 3456-202:Section 202.14:1990. However, such certificates and marks, already awarded, may continue to apply for production until 1 January 2004.

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags **[C]** **[C]**. Where a common modification has been introduced by amendment, the tags carry the number of the amendment. For example, the common modifications introduced by CENELEC amendment A11 are indicated by **[C11]** **[C11]**.

The start and finish of the text introduced or altered by amendment is indicated in the text by tags **[A1]** **[A1]**. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **[A1]** **[A1]** and text altered by IEC amendment 2 is indicated by **[A2]** **[A2]**.

Corrigendum November 1998 introduced the CENELEC introduction.

This British Standard is to be read in conjunction with BS EN 60335-1:1995 *Specification for safety of household and similar electrical appliances — Part 1: General requirements*. The many references to Part 1 should be read as references to BS EN 60335-1, which is the English language version of EN 60335-1:1994 which was derived from the second impression, 1993, of IEC publication 60335-1 (third edition 1991). Amendments and revisions of Part 1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of Part 1.

Product approval. Attention is drawn to the fact that products conforming to this British Standard may be approved by the British Electrotechnical Approvals Board for the purposes of participation in the CENELEC Certification Agreement and in the CB Scheme of the IECEE. (Details of the BEAB Approval Scheme are given on the inside back cover.)

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 23 and a back cover.

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English version

Safety of household and similar electrical appliances — Part 2-14: Particular requirements for kitchen machines

(includes amendments A11:1998, A1:1998 and A2:2000)

(IEC 60335-2-14:1994, modified + A1:1998 + A2:1999)

Sécurité des appareils électrodomestiques et
analogues —
Partie 2-14: Règles particulières pour les
machines de cuisine
(inclut les amendements A11:1998, A1:1998
et A2:2000)
(CEI 60335-2-14:1994, modifiée + A1:1998
+ A2:1999)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke —
Teil 2-14: Besondere Anforderungen für
Küchenmaschinen
(enthält Änderungen A11:1998, A1:1998
und A2:2000)
(IEC 60335-2-14:1994, modifiziert + A1:1998
+ A2:1999)

This European Standard was approved by CENELEC on 1996-07-02. 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, Czech Republic, 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

Foreword

The proposal to endorse IEC 335-2-14:1994, document CLC/TC 61 (SEC) 980, was circulated under the enquiry procedure in September 1994. This proposal was discussed during the Dublin meeting in May 1995, when it was decided to submit a draft for EN 60335-2-14 to the formal vote.

This draft was circulated in January 1996 and was ratified by CENELEC as EN 60335-2-14 on 1996-07-02.

This European Standard has been prepared by the secretariat of CENELEC Technical Committee TC 61.

The following dates are applicable:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1997-01-01
- date on which national standards conflicting with the EN have to be withdrawn (dow) 1999-01-01

For products which have complied with EN 60335-2-14:1988 including its amendments A1:1990, A51:1991, A52:1992, A53:1993, A54:1995 and EN 60335-2-33:1990 before 1999-01-01, as shown by the manufacturer or by a certification body, these previous standards may continue to apply for production until 2004-01-01.

This standard has to be used in conjunction with EN 60335-1, *Safety of household and similar electrical appliances — Part 1: General requirements*. It was established on the basis of the 1994 edition of that standard. Amendments and revisions of Part 1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of Part 1.

This Part 2 supplements or modifies the corresponding clauses of EN 60335-1, so as to convert it into the European Standard; Safety requirements for electric kitchen machines.

Where a particular subclause of Part 1 is not mentioned in this Part 2, that subclause applies as far as is reasonable. Where this standard states “addition”, “modification” or “replacement”, the relevant text of Part 1 is to be adapted accordingly.

Subclauses and figures which are additional to those in Part 1 are numbered starting with 101.

There are no special national conditions causing a deviation from this European Standard, other than those listed in annex ZA to EN 60335-1.

There are no national deviations from this European Standard, other than those listed in annex ZB to EN 60335-1.

NOTE The following print types are used;

- requirements: in roman type;
- test specifications: in italic type;
- notes in small roman type.

Words in **bold** in the text are defined in clause 2. When a definition of Part 1 concerns an adjective, the adjective and the associated noun are also in bold.

Foreword to amendment A11

A proposal to amend EN 60335-2-14:1996, document CLC/BT(IT)206, was discussed during the Fehrltorf meeting of TC 61 in October 1997, when it was decided to establish a working group to prepare a proposal for further consideration. The outcome of the working group was presented to the 94th CENELEC Technical Board meeting, when it was decided to submit the draft to a 3-month enquiry, document CLC/TC 61(SEC)1164.

The results of the enquiry were discussed during the Brussels meeting of TC 61 in May 1998 when it was decided to submit a draft for an amendment to the formal vote (2MV) after further consideration by the working group.

This draft was circulated in July 1998 and was ratified by CENELEC as amendment A11 on 1998-10-01.

The following dates are applicable:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1999-03-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 1999-06-01

This amendment supplements or modifies the corresponding clauses of EN 60335-2-14:1996.

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

There are no national deviations from this amendment.

Foreword to amendment A1

The text of document 61/1465/FDIS, future amendment to IEC 60335-2-14:1994 prepared by the IEC Technical Committee 61, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60335-2-14 on 1998-10-01.

The following dates are applicable:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1999-07-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 2001-07-01

This amendment supplements or modifies the corresponding clauses of EN 60335-2-14:1996.

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

There are no national deviations from this amendment.

Introduction

An investigation by CENELEC TC 61 has shown that all risks from products within the scope of this standard are fully covered by the Low Voltage Directive, 73/23/EEC. If the product has mechanical moving parts, a risk assessment in accordance with the Machinery Directive, 89/392/EEC, has shown that the risks are mainly of electrical origin and consequently this directive is not applicable. However, the relevant essential safety requirements of the Machinery Directive are covered by this standard together with the principal objectives of the Low Voltage Directive.

Foreword to amendment A2

The text of document 61/1647/FDIS, future amendment to IEC 60335-2-14:1994 prepared by the IEC Technical Committee 61, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60335-2-14 on 1999-12-01.

The following dates are applicable:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2000-09-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 2002-12-01

This amendment supplements or modifies the corresponding clauses of EN 60335-2-14:1996.

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

There are no national deviations from this amendment.

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1 Scope

This clause of part 1 is replaced by:

This standard deals with the safety of electric kitchen machines for household and similar purposes, their **rated voltage** being not more than 250 V.

NOTE 1 Examples of appliances which are within the scope of this standard are:

- **food mixers**;
- cream whippers;
- egg beaters;
- blenders;
- sieving machines;
- churns;
- ice-cream machines, including those for use in refrigerators and freezers;
- citrus fruit squeezers;
- centrifugal juicers;
- **mincers**;
- noodle makers;
- berry juice extractors;
- slicing machines;
- bean slicers;
- potato peelers;
- graters and shredders;
- knife sharpeners;
- can openers;
- knives;
- **food processors**;
- coffee mills not exceeding 500 g hopper capacity;
- grain grinders not exceeding 3 litres hopper capacity.

Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard.

So far as is practicable, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home.

This standard does not in general take into account:

- the use of appliances by young children or infirm persons without supervision;
- playing with the appliance by young children.

NOTE 2 Attention is drawn to the fact that:

- for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary;
- for appliances intended to be used in tropical countries, special requirements may be necessary;
- in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities.

NOTE 3 This standard does not apply to:

- slicing machines provided with a circular knife the blade of which is inclined at an angle exceeding 45° to the vertical;
- kitchen machines intended for commercial purposes (IEC 335-2-64);
- kitchen machines intended exclusively for industrial purposes;
- kitchen machines intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas);
- food waste disposers (IEC 335-2-16);
- ice-cream appliances with incorporated motor compressors (IEC 335-2-57).