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Household and similar electrical appliances — Safety —

Part 2-14: Particular requirements for kitchen machines

ICS 97.040.50

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This British Standard is the UK implementation of EN 60335-2-14:2006+A1:2008. It is derived from IEC 60335-2-14:2006 incorporating amendment 1:2008. It supersedes BS EN 60335-2-14:2006, which will be withdrawn on 2013-08-01.

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

The CENELEC common modifications have been implemented at the appropriate places in the text and are indicated by tags (e.g. C C1).

The UK participation in its preparation was entrusted by Technical Committee CPL/61, Safety of household and similar electrical appliances, to Subcommittee CPL/61/01, Motorised appliance group.

A list of organizations represented on CPL/61/01 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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English version

Household and similar electrical appliances - Safety Part 2-14: Particular requirements for kitchen machines (IEC 60335-2-14:2006, modified)

Appareils électrodomestiques
et analogues -
Sécurité
Partie 2-14: Règles particulières
pour les machines de cuisine
(CEI 60335-2-14:2006, modifiée)

Sicherheit elektrischer Geräte
für den Hausgebrauch
und ähnliche Zwecke
Teil 2-14: Besondere Anforderungen
für Küchenmaschinen
(IEC 60335-2-14:2006, modifiziert)

This European Standard was approved by CENELEC on 2006-07-01. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 text of document 61/2995/FDIS, future edition 5 of IEC 60335-2-14, prepared by the IEC Technical Committee 61, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60335-2-14 on 2006-07-01.

This European Standard replaces EN 60335-2-14:2003.

The principal changes in this edition as compared with EN 60335-2-14:2003 are as follows (minor changes are not listed):

- clarifies criteria for determining "normal household and similar use" (Scope);
- adds definitions, marking and test criteria for blenders and cordless blenders (3.105, 3.106, 7.1, 7.12, 11.7.103, 15.2, 15.101, 20.103, 20.104, 20.118, 20.119, 22.103, Figure 103)
- clarifies the "class" rating for hand-held kitchen machines (6.1);
- adds tests for sieves of centrifugal juicers (20.117, Annex AA);
- clarifies criteria for determining "accidental operation" (20.103, 20.109, 20.115).

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) 2007-04-01
- date on which national standards conflicting with the EN have to be withdrawn (dow) 2009-07-01

This part 2 has to be used in conjunction with EN 60335-1, Household and similar electrical appliances – Safety – Part 1: General requirements. It was established on the basis of the 2002 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.

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

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;
- unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.;
- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letter Z.

NOTE 2 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 3. When a definition concerns an adjective, the adjective and the associated noun are also in bold.

This is a preview of "BS EN 60335-2-14:2006+A1:2008". Click here to purchase the full version from the ANSI store.

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.

p NOTE In this document, p is used in the margin to indicate instructions for preparing the printed version.

Foreword to amendment A1

The text of document 61/3649/FDIS, future amendment 1 to IEC 60335-2-14:2006, prepared by IEC TC 61, Safety of household and similar electrical appliances, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60335-2-14:2006 on 2008-08-01.

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) 2009-05-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 2013-08-01

This amendment supplements or modifies the corresponding clauses of EN 60335-2-14:2006.

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

There are no national deviations from this amendment.

Endorsement notice

The text of amendment 1:2008 to the International Standard IEC 60335-2-14:2006 was approved by CENELEC as an amendment to the European Standard without any modification.

In the Bibliography, add the following note to the standard mentioned:

ISO 13732-1

NOTE Harmonized as EN ISO 13732-1:2006 (not modified).

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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. For products having mechanical moving parts, a risk assessment in accordance with the Machinery Directive, 98/37/EC, 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.

Endorsement notice

The text of the International Standard IEC 60335-2-14:2006 was approved by CENELEC as a European Standard with agreed common modifications.

This is a preview of "BS EN 60335-2-14:200...". Click here to purchase the full version from the ANSI store.

CONTENTS

INTRODUCTION.....	7
1 Scope	8
2 Normative references	9
3 Definitions	9
4 General requirement.....	13
5 General conditions for the tests	13
6 Classification.....	13
7 Marking and instructions	13
8 Protection against access to live parts	14
9 Starting of motor-operated appliances.....	14
10 Power input and current.....	15
11 Heating	15
12 Void	17
13 Leakage current and electric strength at operating temperature.....	17
14 Transient overvoltages	17
15 Moisture resistance	17
16 Leakage current and electric strength	18
17 Overload protection of transformers and associated circuits	18
18 Endurance.....	18
19 Abnormal operation	18
20 Stability and mechanical hazards.....	19
21 Mechanical strength	26
22 Construction.....	26
23 Internal wiring.....	27
24 Components.....	27
25 Supply connection and external flexible cords	27
26 Terminals for external conductors	28
27 Provision for earthing.....	28
28 Screws and connections	28
29 Clearances, creepage distances and solid insulation	28
30 Resistance to heat and fire	28
31 Resistance to rusting	29
32 Radiation, toxicity and similar hazards	29
Annexes	33
Annex C (normative) Aging test on motors.....	33
Annex AA (normative) Alternative tests on sieves of centrifugal juicers	34
Annex ZC (normative) Normative references to international publications with their corresponding European publications	35
Bibliography	36

This is a preview of "BS EN 60335-2-14:200...". [Click here to purchase the full version from the ANSI store.](#)

Figure 101 – Slicing machine	30
Figure 102 – Protecting devices for slicing machines	31
Figure 103 – Schematic representation of the 30 ml spillage test	32

This is a preview of "BS EN 60335-2-14:200...". [Click here to purchase the full version from the ANSI store.](#)

INTRODUCTION

It has been assumed in the drafting of this International Standard that the execution of its provisions is entrusted to appropriately qualified and experienced persons.

This standard recognizes the internationally accepted level of protection against hazards such as electrical, mechanical, thermal, fire and radiation of appliances when operated as in normal use taking into account the manufacturer's instructions. It also covers abnormal situations that can be expected in practice and takes into account the way in which electromagnetic phenomena can affect the safe operation of appliances.

This standard takes into account the requirements of IEC 60364 as far as possible so that there is compatibility with the wiring rules when the appliance is connected to the supply mains. However, national wiring rules may differ.

If an appliance within the scope of this standard also incorporates functions that are covered by another part 2 of IEC 60335, the relevant part 2 is applied to each function separately, as far as is reasonable. If applicable, the influence of one function on the other is taken into account.

This standard is a product family standard dealing with the safety of appliances and takes precedence over horizontal and generic standards covering the same subject.

When a part 2 standard does not include additional requirements to cover hazards dealt with in Part 1, Part 1 applies.

NOTE 1 This means that the technical committees responsible for the part 2 standards have determined that it is not necessary to specify particular requirements for the appliance in question over and above the general requirements.

This standard is a product family standard dealing with the safety of appliances and takes precedence over horizontal and generic standards covering the same subject.

NOTE 2 Horizontal and generic standards covering a hazard are not applicable since they have been taken into consideration when developing the general and particular requirements for the IEC 60335 series of standards. For example, in the case of temperature requirements for surfaces on many appliances, generic standards, such as ISO 13732-1 for hot surfaces, are not applicable in addition to Part 1 or part 2 standards.

An appliance that complies with the text of this standard will not necessarily be considered to comply with the safety principles of the standard if, when examined and tested, it is found to have other features that impair the level of safety covered by these requirements.

An appliance employing materials or having forms of construction differing from those detailed in the requirements of this standard may be examined and tested according to the intent of the requirements and, if found to be substantially equivalent, may be considered to comply with the standard.

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-14: Particular requirements for kitchen machines

1 Scope

This clause of Part 1 is replaced by the following.

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

NOTE 101 Examples of appliances that are within the scope of this standard are

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

Appliances intended for normal household and similar use and that may also be used by laymen in shops, in light industry and on farms, are within the scope of this standard. However, if the appliance is intended to be used professionally to process food for commercial consumption, the appliance is not considered to be for household and similar use only.

NOTE 102 Use of a kitchen machine in a bed and breakfast premises, for example, is considered to be household use.