



SLOVENSKI STANDARD

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Household and similar electrical appliances - Safety - Part 2-14: Particular requirements for kitchen machines (IEC 60335-2-14:2016)

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-14: Besondere Anforderungen für Küchenmaschinen (IEC 60335-2-14:2016)

Appareils électrodomestiques et analogues - Sécurité - Partie 2-14: Règles particulières pour les machines de cuisine (IEC 60335-2-14:2016)

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English Version

**Household and similar electrical appliances - Safety - Part 2-14:
Particular requirements for kitchen machines
(IEC 60335-2-14:2016)**

Appareils électrodomestiques et analogues - Sécurité -
Partie 2-14: Exigences particulières pour les machines de
cuisine
(IEC 60335-2-14:2016)

Sicherheit elektrischer Geräte für den Hausgebrauch und
ähnliche Zwecke - Teil 2-14: Besondere Anforderungen für
Küchenmaschinen
(IEC 60335-2-14:2016)

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

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EN IEC 60335-2-14:2023 (E)

European foreword

This document (EN IEC 60335-2-14:2023) consists of the text of IEC 60335-2-14:2016 prepared by IEC/TC 61 "Safety of household and similar electrical appliances".

The following dates are fixed:

- latest date by which this document has to be (dop) 2024-04-27 implemented at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards (dow) 2026-10-27 conflicting with this document have to be withdrawn

This document supersedes EN 60335-2-14:2006 and all of its amendments and corrigenda (if any).

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This document is read in conjunction with EN 60335-1:2012 and its amendments.

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IEC 60335-2-14

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Household and similar electrical appliances – Safety –
Part 2-14: Particular requirements for kitchen machines**

**Appareils électrodomestiques et analogues – Sécurité –
Partie 2-14: Exigences particulières pour les machines de cuisine**

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CONTENTS

FOREWORD.....	4
INTRODUCTION.....	7
1 Scope.....	8
2 Normative references.....	9
3 Terms and definitions	9
4 General requirement.....	12
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.....	14
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	20
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	29
31 Resistance to rusting	29
32 Radiation, toxicity and similar hazards	29
Annexes	33
Annex C (normative) Ageing test on motors.....	33
Annex R (normative) Software evaluation	34
Annex AA (normative) Tests on sieves of centrifugal juicers	35
Bibliography	37
Figure 101 – Slicing machine	30

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

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-14: Particular requirements for kitchen machines

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as “IEC Publication(s)”). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60335-2-14 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

This sixth edition cancels and replaces the fifth edition published in 2006, its Amendment 1 (2008) and its Amendment 2 (2012). This edition constitutes a technical revision.

The principal changes in this edition as compared with the fifth edition of IEC 60335-2-14 are as follows (minor changes are not listed):

- requirements for **noodle makers** with a mixing function have been introduced (3.1.9.116, 11.7.118, 19.103);
- requirements for appliances having a feed screw or auger have been changed (20.106);
- the definition of normal operation has been changed (3.1.9);
- the method of carrying out the heating test has been changed (11.7);
- the requirement in 20.114 has been modified to align with the test specification;

- some notes in Subclauses 5.2, 11.7.107, 11.7.110, 11.7.116, 20.103, 20.107, 20.108, 20.117, 20.119, 25.14, and Annex AA were converted to normative text.

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

FDIS	Report on voting
61/5136/FDIS	61/5172/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the fifth edition (2010) of that standard.

NOTE 1 When "Part 1" is mentioned in this standard, it refers to IEC 60335-1.

This part 2 supplements or modifies the corresponding clauses in IEC 60335-1, so as to convert that publication into the IEC 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 in Part 1 is to be adapted accordingly.

NOTE 2 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.

NOTE 3 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.

The committee has decided that the contents of this 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 4 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.

The following differences exist in the countries indicated below.

- 3.1.9: Different loads are used (USA).
- 11.7: The operating times are different (USA).
- 19.7: The test is applicable to all appliances and the tests of 19.101 and 19.102 are not applicable (USA).
- Clause 20: Many of the tests are different (USA).
- 22.103: The test is not conducted (USA).
- 22.104: The specified probe is not applied to knife sharpeners (USA).
- 24.1.3: Switches are required to have 6000 cycles of operation (USA).
- 25.5: Type Z attachment is allowed for all appliances (USA).
- 25.14: The test is not conducted (USA).

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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.

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 part of IEC 60335 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 bed and breakfast premises, for example, is considered to be household use.

As 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. However, in general, it does not take into account

- persons (including children) whose
 - physical, sensory or mental capabilities; or