

Household and similar electrical appliances — Safety —

Part 2-23: Particular requirements for appliances for skin or hair care

ICS 97.170

National foreword

This British Standard is the UK implementation of EN 60335-2-23:2003+A2:2015, incorporating corrigendum June 2012. It is derived from IEC 60335-2-23:2003, incorporating amendment 1:2008 and amendment 2:2012, and corrigenda July 2004 and January 2008. It supersedes BS EN 60335-2-23:2003+A11:2010, which will be withdrawn on 29 September 2017.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. 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.

Where a common modification to an IEC amendment has been introduced, the tags carry the number of the amendment. For example, the common modifications introduced by CENELEC to IEC amendment 2 are indicated by C2 C2.

Where a common modification has been introduced by CENELEC 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 UK participation in its preparation was entrusted by Technical Committee CPL/61, Safety of household and similar electrical appliances, to Subcommittee CPL/61/1, Motorised appliance group.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

The 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.

Amendments/corrigenda issued since publication

Date	Comments
24 August 2004	Implementation of IEC corrigendum July 2004, correction to Subclause 19.101
30 June 2008	Implementation of IEC corrigendum January 2008, correction to Subclause 25.7
30 November 2008	Implementation of IEC amendment 1:2008 with CENELEC endorsement A1:2008
30 November 2010	Implementation of CENELEC amendment A11:2010
31 July 2012	Implementation of CENELEC corrigendum June 2012: replacement of text in clause 7.12.Z101
30 June 2013	Correction of text in paragraph 1 of clause 7.12 and paragraph 3 of 21.101
31 October 2014	Correction to subclause 11.8: 4th paragraph added and Table Z101 moved to same subclause
28 February 2015	Implementation of IEC amendment 2:2012 with CENELEC modifications published in January 2015.
31 March 2015	Correction of text in paragraph 1 of clause 7.12

English version

**Household and similar electrical appliances -
Safety
Part 2-23: Particular requirements for appliances for skin or hair care
(IEC 60335-2-23:2003)**

Appareils électrodomestiques
et analogues -
Sécurité
Partie 2-23: Règles particulières
pour les appareils destinés
aux soins de la peau ou des cheveux
(CEI 60335-2-23:2003)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2-23: Besondere Anforderungen
für Geräte zur Behandlung
von Haut oder Haar
(IEC 60335-2-23:2003)

This European Standard was approved by CENELEC on 2003-05-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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 text of the International Standard IEC 60335-2-23:2003 (61/2205/FDIS), prepared by the IEC Technical Committee 61, Safety of household and similar electrical appliances, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 60335-2-23 on 2003-05-01.

This European Standard replaces EN 60335-2-23:1996 + A1:2001.

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) 2004-05-01
- date on which national standards
conflicting with the EN have to be withdrawn (dow) 2006-05-01

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 appliances for skin or hair care.

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.

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.

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 60335-2-23:2003 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A1

The text of document 61/3411/FDIS, future amendment 1 to IEC 60335-2-23:2003, prepared by IEC Technical Committee 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 60335-2-23:2003 on 2008-04-16.

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) 2009-02-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 2013-05-01

This amendment supplements or modifies the corresponding clauses of EN 60335-2-23:2003.

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 60335-2-23:2003 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A11

A proposal to amend EN 60335-2-23:2003, document CLC/TC 61(SEC)1686, was discussed during the Brussels meeting of CENELEC TC 61 in June 2009, when it was decided to submit a draft for an amendment to the Unique Acceptance Procedure.

The draft was circulated in June 2009 and was approved by CENELEC as amendment A11 to EN 60335-2-23:2003 on 2010-04-14.

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

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) 2011-05-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2013-04-14

This amendment supplements or modifies the corresponding clauses of EN 60335-2-23:2003.

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

There are no national deviations from this amendment.

Foreword to amendment A2

The text of document 61/4282/FDIS, future IEC 60335-2-23:2003/A2, prepared by IEC/TC 61 "Safety of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60335-2-23:2003/A2:2015.

A draft amendment, which covers common modifications to IEC 60335-2-23:2003/A2, was prepared by CLC/TC 61 "Safety of household and similar electrical appliances" and approved by CENELEC.

The following dates are fixed:

- latest date by which this document has to be (dop) 2015-09-29
implemented at national level by publication
of an identical national standard or by
endorsement
- latest date by which the national standards (dow) 2017-09-29
conflicting with this document have to
be withdrawn

This amendment is to be used in conjunction with EN 60335-1:2012 including its amendments.

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" it is to be understood as addition or modification or replacement to the published EN Part 2, unless the introductory sentence mentions Part 1.

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.;

Clauses, 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.

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

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 60335-2-23:2003/A2:2012 was approved by CENELEC as a European Standard with agreed common modifications.

Annexes

The annexes of Part 1 are applicable  except as follows. 

Annex ZC (normative)

Normative references to international publications with their corresponding European publications

Replace the reference to ISO 3864 by:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
 ISO 3864-1	– ¹⁾	Graphical symbols – Safety colours and safety signs – Part 1: Design principles for safety signs in workplaces and public areas 	–	–

Annex ZE (normative)

Specific additional requirements for appliances with motorized parts and intended for commercial use

The Annex ZE of Part 1 is applicable; with the following modifications:

Introduction

Replacement:

For the verification of compliance of appliances or machines intended for commercial use with the Essential Health and Safety Requirements (EHSR) of the Directive 2006/42/EC, the requirements in this Annex ZE shall apply.

Annex ZE has also to be applied for the verification of compliance of the relevant product to the EHSR of the Directive 2006/42/EC. This is achieved by complying with the requirements of prAX of EN 60335-1 and this standard, when this standard is also listed in the OJ under the Directive.

1. Scope

Replacement of the addition:

Annex ZE deals with additional requirements concerning appliances and machines with motorised parts intended to be used by expert or trained users in shops, in hairdressers, in light industry, on farms and appliances and machines which are declared to be for commercial use by lay persons.

The statement from the manufacturer in the product information concerning the specific product is the criterion that has to be considered to determine the intended use of the appliance. The statement shall accurately reflect the reasonably foreseeable use of the product. 

¹⁾ undated reference

C₂ Products covered by this standard do not create a noise hazard, therefore no specific provisions concerning noise are given.

3 Terms and definitions

This clause of Annex ZE of Part 1 is applicable.

4 General requirement

This clause of Annex ZE of Part 1 is applicable.

7 Marking and instructions

This clause of Annex ZE of Part 1 is applicable except as follows:

7.12 Addition:

The instructions shall indicate the substance of the following:

“This appliance is designed to be used in commercial areas”.

7.12.Z1

Replace the sixth dashed item by the following:

- that the A-weighted sound pressure level is below 70 dB(A).

19 Abnormal operation

This clause of Annex ZE of Part 1 is not applicable

20 Stability and mechanical hazards

This clause of Annex ZE of Part 1 is applicable

21 Mechanical strength

This clause of Annex ZE of Part 1 is applicable

22 Construction

This clause of Annex ZE of Part 1 is applicable except as follows:

22.ZE6

Replace the second paragraph of the compliance clause by:

*The guard is opened at the extent needed to cause the interlocking to operate and is then closed. This operation is carried out for 5 000 cycles at a rate of 5 cycles per min **C₂***