

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Household and similar electrical appliances – Safety –  
Part 2-23: Particular requirements for appliances for skin or hair care**

**Appareils électrodomestiques et analogues – Sécurité –  
Partie 2-23: Règles particulières pour les appareils destinés aux soins de la peau  
ou des cheveux**

[IEC 60335-2-23:2003/AMD1:2008](https://standards.iteh.ai/catalog/standards/iec/010/d6fcc-61a7-4b85-8214-bfa216c1cf9d/iec-60335-2-23-2003-amd1-2008)

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INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

**D**

## FOREWORD

This amendment has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

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

FDIS	Report on voting
61/3411/FDIS	61/3424/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site 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- withdrawn,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 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 amendment be adopted for implementation nationally not earlier than 12 months from the date of its publication.

## INTRODUCTION

*Replace the second sentence of the second paragraph by the following:*

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.

*Add the following note, after the fourth paragraph.*

NOTE 1 For example, if appliances within the scope of this Part 2 include an ion generator, then IEC 60335-2-65 is applicable as far as is reasonable.

*Replace the fifth paragraph by the following:*

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

NOTE 2 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 3 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.

## 1 Scope

Replace the two dashed items in the fourth paragraph by the following:

- persons (including children) whose
  - physical, sensory or mental capabilities; or
  - lack of experience and knowledgeprevents them from using the appliance safely without supervision or instruction;
- children playing with the appliance.

In Note 105, add the following as a new fourth dashed item:

- blankets, pads, clothing and similar flexible heating appliances (IEC 60335-2-17);

## 2 Normative references

Replace the reference to ISO 3864 by the following:

ISO 3864-1, *Graphical symbols – Safety colours and safety signs – Part 1: Design principles for safety signs in workplaces and public areas*

## 7 Marking and instructions

7.1 In the first paragraph of the addition, replace “5582 of IEC 60417-1” by “IEC 60417-5582 (2002-10)” and “ISO 3864” by “ISO 3864-1”.

7.6 In the addition, replace “5582 of IEC 60417-1” by “IEC 60417-5582 (2002-10)”.

7.12 In the last paragraph of the addition, replace “5582 of IEC 60417-1” by “IEC 60417-5582 (2002-10)”.

7.14 In the addition, replace “5582 of IEC 60417-1” by “IEC 60417-5582 (2002-10)”.

## 19 Abnormal operation

19.101 Replace the complete text of this subclause by the following:

*Hairdryers are operated as specified in Clause 11 until steady conditions are established. The voltage at the terminals of the motor is then reduced until the running speed of the motor is just sufficient to prevent the **thermal cut-out** from operating, the power input to the heating element being maintained at 1,15 times **rated power input**.*

*The voltage is decreased at*

- 1 V per minute, for motors having a **working voltage** not exceeding 30 V;
- 5 V per minute, for motors having a **working voltage** exceeding 30 V.

*The appliance is then operated until steady conditions are established.*

## 21 Mechanical strength

Replace “Addition” by “**21.1** Addition:”.

### Bibliography

Add the following new references:

IEC 60335-2-17, *Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads and similar flexible heating appliances*

IEC 60335-2-65, *Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances*

ISO 13732-1, *Ergonomics of the thermal environment – Methods for the assessment of human responses to contact with surfaces – Part 1: Hot surfaces*

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