

ILNAS

Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 60335-2-17:2013

**Household and similar electrical
appliances - Safety -- Part 2-17:
Particular requirements for blankets,
pads, clothing and similar flexible**

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke --
Teil 2-17: Besondere Anforderungen an
Wärmezudecken, Wärmeunterbetten,

Appareils électrodomestiques et
analogues - Sécurité -- Partie 2-17:
Exigences particulières pour les
couvertures, coussins, vêtements et

02/2013



National Foreword

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English version

**Household and similar electrical appliances -
Safety -
Part 2-17: Particular requirements for blankets, pads, clothing and similar
flexible heating appliances
(IEC 60335-2-17:2012)**

Appareils électrodomestiques et
analogues -
Sécurité -
Partie 2-17: Exigences particulières pour
les couvertures, coussins, vêtements et
appareils chauffants souples analogues
(CEI 60335-2-17:2012)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke -
Teil 2-17: Besondere Anforderungen an
Wärmzudecken, Wärmeunterbetten,
Heizkissen, Kleidung und ähnliche
schmiegsame Wärmegeräte
(IEC 60335-2-17:2012)

This European Standard was approved by CENELEC on 2012-04-30. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 61/4336/FDIS, future edition 3 of IEC 60335-2-17, 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 60335-2-17:2013.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-08-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-04-30

This document supersedes EN 60335-2-17:2002 + A1:2006 + A2:2009.

EN 60335-2-17:2013 includes the following significant technical changes with respect to EN 60335-2-17:2002:

- The definition of PTC heating element has been deleted and the definition in Part 1 now applies. A definition of a heating element with PTC characteristics has been introduced instead (3.117). This has resulted in editorial changes to 5.7, 5.8.2, 7.1, 10.101, 11.2, 21.105, 21.111.1 and 21.112.
- The allowance for class I appliances has been deleted and requirements for appliances incorporating a functional earth have been incorporated (6.1, 7.1, 22.115).
- The working voltage of parts of class III construction is limited to 24 V (22.26).
- Some notes have been deleted or converted to normative text (3.107, 3.111, 3.113, 5.2, 5.3, 5.8.2, 11.8, 11.101, 11.102, 15.1, 15.101, 19.1, 19.13, 19.102, 19.103, 19.105, 19.106, 19.108, 19.109, 19.110, 19.111, 19.112, 21.1, 21.102, 21.103, 21.109, 21.110.3, 21.111.1, 21.111.2, 21.111.3, 21.112, 22.103, 22.114, 25.23, Annex AA, Annex CC 3.1.9, 19.201, 19.203).
- Modification of the marking requirements (7.1, 7.14, 7.15).
- Modification of the instructions (7.12).
- Clarification of the heat stroke test (11.101).
- The figure numbers have been updated to take into account deletion of Figure 103 in EN 60335-2-17:2002.

This part 2 is to be used in conjunction with EN 60335-1:2012.

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

This part 2 supplements or modifies the corresponding clauses in EN 60335-1, so as to convert that publication into the European Standard: *Safety requirements for blankets, pads, clothing and similar flexible heating appliances*.

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.

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)

Endorsement notice

The text of the International Standard IEC 60335-2-17:2012 was approved by CENELEC as a European Standard without any modification.

Add to the bibliography of EN 60335-1:2012:

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60335-2-66	NOTE	Harmonized as EN 60335-2-66.
IEC 60335-2-71	NOTE	Harmonized as EN 60335-2-71.
IEC 60335-2-81	NOTE	Harmonized as EN 60335-2-81.
IEC 60601-2-35	NOTE	Harmonized as EN 60601-2-35.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Addition to Annex ZA of EN 60335-1:2012:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60320-1 + A1	2001 2007	Appliance couplers for household and similar general purposes - Part 1: General requirements	EN 60320-1 + A1	2001 2007
ISO 2439	-	Flexible cellular polymeric materials - Determination of hardness (indentation technique)	EN ISO 2439	-
ISO 3758	2005	Textiles - Care labelling code using symbols	EN ISO 3758	2005 ¹⁾
ISO/IEC Guide 37	-	Instructions for use of products of consumer interest	-	-

¹⁾ EN ISO 3758:2005 is superseded by EN ISO 3758:2012.



INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Appareils électrodomestiques et analogues – Sécurité –
Partie 2-17: Exigences particulières pour les couvertures, coussins, vêtements
et appareils chauffants souples analogues**



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