



SLOVENSKI STANDARD
SIST EN 60335-2-17:2003/A1:2006
01-november-2006

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

iTeh STANDARD PREVIEW

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-17: Besondere Anforderungen an Wärmezuodecken, Wärmeunterbetten, Heizkissen und ähnliche schmiegsame Wärmegeräte

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

Ta slovenski standard je istoveten z: EN 60335-2-17:2002/A1:2006

ICS:

13.120	Varnost na domu	Domestic safety
97.030	Ò\ dã } ãæ æãã æã { Á æ •] z] [Domestic electrical appliances in general

SIST EN 60335-2-17:2003/A1:2006 en,fr,de

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EUROPEAN STANDARD

EN 60335-2-17

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2002

ICS 13.120; 97.040.50

Supersedes EN 60335-2-17:1999

English version

**Household and similar electrical appliances -
Safety
Part 2-17: Particular requirements for blankets,
pads and similar flexible heating appliances
(IEC 60335-2-17:2002)**

Appareils électrodomestiques et
analogues - Sécurité
Partie 2-17: Règles particulières
pour les couvertures, coussins et
appareils chauffants souples analogues
(CEI 60335-2-17:2002)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2-17: Besondere Anforderungen
an Wärmezudecken, Wärmeunterbetten,
Heizkissen und ähnliche schmiegsame
Wärmegeräte
(IEC 60335-2-17:2002)

[SIST EN 60335-2-17:2003/A1:2006](https://standards.iteh.ai/catalog/standards/sist/dafb5709-518e-43d1-85da-ecelba480fec/sist-en-60335-2-17-2003-a1-2006)

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This European Standard was approved by CENELEC on 2002-11-01. 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 document 61/2168/FDIS, future second edition of IEC 60335-2-17, prepared by the IEC Technical Committee 61, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60335-2-17 on 2002-11-01.

This European Standard replaces EN 60335-2-17:1999.

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) 2003-08-01
- date on which national standards conflicting with the EN have to be withdrawn (dow) 2005-11-01

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 blankets, pads and similar flexible heating appliances.

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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.

Annexes AA and BB are normative and form an integral part of this standard.

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

Introduction

p Add:

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 60335-2-17:2002 was approved by CENELEC as a European Standard without any modification.

p Add:

Annex ZC

(normative)

Normative references to international publications with their corresponding European publications

[SIST EN 60335-2-17:2003/A1:2006](https://standards.iteh.ai/catalog/standards/sist/dafb5709-518e-43d1-85da-ece1ba480fec/sist-en-60335-2-17-2003-a1-2006)

Addition:

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 2439	– ¹⁾	Flexible cellular polymeric materials – Determination of hardness (indentation technique)	EN ISO 2439	2000 ²⁾
ISO 3758	– ¹⁾	Textiles – Care labelling code using symbols	EN 23758	1993 ²⁾

¹⁾ undated reference

²⁾ valid edition at date of issue

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60335-2-17

2002

AMENDEMENT 1
AMENDMENT 1
2006-01

Amendement 1

**Appareils électrodomestiques et analogues –
Sécurité –**

**Partie 2-17:
Règles particulières pour les couvertures,
coussins et appareils chauffants souples
analogues**

<https://standards.iteh.ai/catalog/standards/sist/dafb5709-518e-43d1-85da-ecelba480fec/sist-en-60335-2-17-2003-a1-2006>

Amendment 1

**Household and similar electrical appliances –
Safety –**

**Part 2-17:
Particular requirements for blankets, pads
and similar flexible heating appliances**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

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*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

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
61/2956/FDIS	61/2986/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.

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[SIST EN 60335-2-17:2003/A1:2006](https://standards.iteh.ai/catalog/standards/sist/dafb5709-518e-43d1-85da-ece1ba480fec/sist-en-60335-2-17-2003-a1-2006)

INTRODUCTION

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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.

3 Definitions

3.1.9 *Add the following:*

Control units held in the hand when they are actuated and cord switches are positioned to hang away from the plywood base. Other **control units** are placed on a supporting surface away from the plywood base.

3.107 *Replace “0,2 m²” by “0,3 m²”.*

3.111 *In the first sentence, add “or **electro-conductive textile**” after “**heating element**”.*

Add the following definitions:

3.115**wrap**

appliance comprising a **flexible part** intended to be draped over the human body in order to keep it warm

3.116**electro-conductive textile**

textile incorporating carbon or other conductive material for the purpose of providing a uniformly heated surface

5 General conditions for the tests

5.2 In the first paragraph of the addition, replace “an additional appliance is” by “additional appliances are”.

In Note 101, replace “19.110” by “19.112”.

5.3 In the list of Appliance A, delete “11.101” and replace “19” by “19 (except 19.111)”.

In the list of Appliance B, replace “11 (remainder)” by “11, 19.111” and replace “21, 21.101” by “21 (remainder)”.

Add the following subclause: **(standards.iteh.ai)**

5.101 Wraps are tested as overblankets.

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7 Marking and instructions

7.1 Replace the second and third dashed items of the fifth paragraph of the addition by the following:

- do not use folded or rucked, or by the symbol of Figure 101 (only for **underblankets** other than those with **PTC heating elements**);

Delete the last dashed item and Note 101.

7.12 Replace the fourth paragraph by the following:

The instructions shall specify the appropriate settings of controls for continuous use of the appliance.

Replace the fifth paragraph and Note 101 by the following:

The instructions for **pads** shall state that when the appliance is likely to be used for an extended period, for instance by the user falling asleep, controls should be adjusted to a setting recommended for continuous use.

Replace the second dashed item of the ninth paragraph by the following:

- when storing the appliance, allow it to cool down before folding;
- do not crease the appliance by placing items on top of it during storage (for **blankets** and **pads** only);