



# SLOVENSKI STANDARD SIST EN 60335-2-11:2011

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SIST EN 60335-2-11:2003/A1:2004

SIST EN 60335-2-11:2003/A11:2009

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**Gospodinjski in podobni električni aparati - Varnost - 2-11. del: Posebne zahteve za bobenske sušilnike (IEC 60335-2-11:2008)**

Household and similar electrical appliances - Safety -- Part 2-11: Particular requirements for tumble dryers

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-11: Besondere Anforderungen für Trommelrockner

Appareils électrodomestiques et analogues - Sécurité -- Partie 2-11: Règles particulières pour les sèche-linge à tambour

**Ta slovenski standard je istoveten z: EN 60335-2-11:2010**

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**ICS:**

13.120	Varnost na domu	Domestic safety
97.060	Aparati za nego perila	Laundry appliances

**SIST EN 60335-2-11:2011** en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60335-2-11**

April 2010

ICS 97.060; 13.120

Supersedes EN 60335-2-11:2003 + corr. Jul.2003 + A1:2004 + A2:2006 + A11:2008

English version

**Household and similar electrical appliances -  
Safety -  
Part 2-11: Particular requirements for tumble dryers  
(IEC 60335-2-11:2008)**

Appareils électrodomestiques  
et analogues - Sécurité -  
Partie 2-11: Règles particulières  
pour les sèche-linge à tambour  
(CEI 60335-2-11:2008)

Sicherheit elektrischer Geräte  
für den Hausgebrauch und ähnliche  
Zwecke -  
Teil 2-11: Besondere Anforderungen  
für Trommeltrockner  
(IEC 60335-2-11:2008)

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This European Standard was approved by CENELEC on 2010-04-01. 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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland 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 61/3646/FDIS, future edition 7 of IEC 60335-2-11, prepared by IEC Technical Committee 61, Safety of household and similar electrical appliances, was submitted to the IEC-CENELEC parallel vote.

A draft amendment was prepared by the Technical Committee CENELEC TC 61, Safety of household and similar electrical appliances. It was discussed during the meeting of CENELEC TC 61 in Kista in June 2008, when it was decided to submit a draft for an amendment to the Unique Acceptance Procedure.

The combined texts were approved by CENELEC as EN 60335-2-11 on 2010-04-01.

This European Standard supersedes EN 60335-2-11:2003 + corr. July 2003 + A1:2004 + A2:2006 + A11:2008.

The principal changes compared to EN 60335-2-11:2003 and its amendments are as follows (minor changes are not listed):

- aligns the text with EN 60335-1:2002 and its amendments,
- some notes have been converted to normative text.

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:

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- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement [SIST EN 60335-2-11:2011](https://standards.iteh.ai/catalog/standards/sist/e2ffa9ce-8a54-491d-b69a-da79ac08dd38/sist-en-60335-2-11-2011) (dop) 2011-04-01
  - date on which national standards conflicting with the EN have to be withdrawn (dow) 2015-04-01

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 tumble dryers.

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.

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

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## Endorsement notice

The text of the International Standard IEC 60335-2-11:2008 was approved by CENELEC as a European Standard with agreed common modifications as given below.

### COMMON MODIFICATIONS

#### 15 Moisture resistance

p **15.2** *Add before the last paragraph:*

*For appliances having a working surface, the test is repeated with the appliance tilted at an angle of 2° in relation to the position of normal use in the direction which is likely to be the most unfavourable.*

*The lid of top loading appliances is considered as a working surface if it is flat enough to put something on.*

#### 19 Abnormal operation

**Add** the following new subclause:

**19.Z101** The appliance is supplied at **rated voltage** and operated under **normal operation**.

Any fault condition or unexpected operation that may be applied in normal use is introduced.

NOTE 1 Examples of fault conditions and unexpected operations are:

- the programmer stopping in any position;
- disconnection and reconnection of one or more phases of the supply during any part of the programme;
- open-circuiting or short-circuiting of components.

NOTE 2 In general, tests are limited to the fault conditions that may be expected to give the most unfavourable results. The simulation of component faults is limited to those that could expose the user to a hazard.

NOTE 3 If the appliance stops at any particular point in the programme, the test with that fault condition is considered to be ended.

NOTE 4 The fault condition with

- thermal controls short-circuited is covered by 19.4;
- motor capacitors short-circuited or open-circuited is covered by 19.7.

#### 24 Components

**Add:**

**24.1.3** *Addition:*

*The number of cycles of operation for the switching device in door interlocks is 30 000.*

**Add** the following new subclause:

**24.Z101** Switches complying with IEC 61058-1 are not short-circuited during the tests of Clause 19. The tests of IEC 61058-1 are carried out under the conditions occurring in the appliance.

## Bibliography

p **Add the following notes to the standards mentioned:**

IEC 60079 series	NOTE	Harmonized in EN 60079 series (not modified)
IEC 60436	NOTE	Harmonized as EN 50242/EN 60436
IEC 60584-1	NOTE	Harmonized as EN 60594-1
ISO 13732-1	NOTE	Harmonized as EN ISO 13732-1

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p Add:

**Annex ZC**  
(normative)**Normative references to international publications  
with their corresponding European publications***Addition:*

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

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IEC 60335-2-11

Edition 7.0 2008-07

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

Household and similar electrical appliances – Safety –  
Part 2-11: Particular requirements for tumble dryers

Appareils électrodomestiques et analogues – Sécurité –  
Partie 2-11: Règles particulières pour les sèche-linge à tambour

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –  
SAFETY –****Part 2-11: Particular requirements for tumble dryers**

## FOREWORD

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International Standard IEC 60335-2-11 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

This seventh edition cancels and replaces the sixth edition published in 2002 including its Amendment 1 (2003) and Amendment 2 (2006). It constitutes a technical revision.

The principal changes in this edition as compared with the sixth edition of IEC 60335-2-11 are as follows (minor changes are not listed):

- aligns the text with IEC 60335-1, Ed 4, and its Amendments 1 and 2;
- some notes have been converted to normative text (7.101, 11.8, 20.102, 20.103 and Annex AA).