



NSAI
Standards

Irish Standard
I.S. EN 60335-2-105:2005

Household and similar electrical appliances - Safety -- Part 2-105: Particular requirements for multifunctional shower cabinets (IEC 60335-2-105:2004 (EQV))

I.S. EN 60335-2-105:2005

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NSAI
Standards

Amendment
I.S. EN 60335-2-105:2005/A11:2010

Household and similar electrical appliances - Safety -- Part 2-105: Particular requirements for multifunctional shower cabinets

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60335-2-105/A11

January 2010

ICS 13.120; 97.170

English version

**Household and similar electrical appliances -
Safety -
Part 2-105: Particular requirements for multifunctional shower cabinets**

Appareils électrodomestiques
et analogues -
Sécurité -
Partie 2-105: Règles particulières
pour les cabines de douche multifonctions

Sicherheit elektrischer Geräte
für den Hausgebrauch
und ähnliche Zwecke -
Teil 2-105: Besondere Anforderungen
für multifunktionelle Duschseinrichtungen

This amendment A11 modifies the European Standard EN 60335-2-105:2005; it was approved by CENELEC on 2009-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

This amendment to the European Standard EN 60335-2-105:2005 was prepared by the Technical Committee CENELEC TC 61, Safety of household and similar electrical appliances.

A proposal for this amendment was discussed during the Kista meeting of CENELEC TC 61 in June 2008, when it was decided to submit a draft for an amendment to the Unique Acceptance Procedure.

The draft was circulated in November 2008 and was approved by CENELEC as amendment A11 to EN 60335-2-105:2005 on 2009-11-01.

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 were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2010-11-01
 - latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2010-11-01
-

24 Components

Add:

24.7 Modification:

Hose-sets do not need to be supplied with the appliance.



NSAI
Standards

Amendment
I.S. EN 60335-2-105:2005/A1:2008

Household and similar electrical
appliances - Safety -- Part 2-105:
Particular requirements for
multifunctional shower cabinets (IEC
60335-2-105:2004/A1:2008 (EQV))

I.S. EN 60335-2-105/A1:2008

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60335-2-105/A1

May 2008

ICS 13.120; 97.170

English version

**Household and similar electrical appliances -
Safety -
Part 2-105: Particular requirements for multifunctional shower cabinets
(IEC 60335-2-105:2004/A1:2008)**

Appareils électrodomestiques
et analogues -
Sécurité -
Partie 2-105: Règles particulières
pour les cabines de douche multifonctions
(CEI 60335-2-105:2004/A1:2008)

Sicherheit elektrischer Geräte
für den Hausgebrauch
und ähnliche Zwecke -
Teil 2-105: Besondere Anforderungen
für multifunktionelle Duscheinrichtungen
(IEC 60335-2-105:2004/A1:2008)

This amendment A1 modifies the European Standard EN 60335-2-105:2005; it was approved by CENELEC on 2008-04-16. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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, 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
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Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

I.S. EN 60335-2-105:2005

EN 60335-2-105:2005/A1:2008

- 2 -

Foreword

The text of document 61/3412/FDIS, future amendment 1 to IEC 60335-2-105:2004, 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 60335-2-105:2005 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 60335-2-105:2005.

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

There are no national deviations from this amendment.

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

Endorsement notice

The text of amendment 1:2008 to the International Standard IEC 60335-2-105:2004 was approved by CENELEC as an amendment to the European Standard without any modification.

p In the Bibliography, add the following notes to the standards mentioned:

IEC 60335-2-35	NOTE	Harmonized as EN 60335-2-35:2002 (not modified).
IEC 60335-2-41	NOTE	Harmonized as EN 60335-2-41:2003 (not modified).
ISO 13732-1	NOTE	Harmonized as EN ISO 13732-1:2006 (not modified).

EUROPEAN STANDARD

EN 60335-2-105

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2005

ICS 13.120; 97.170

English version

**Household and similar electrical appliances -
Safety
Part 2-105: Particular requirements for multifunctional shower cabinets
(IEC 60335-2-105:2004)**

Appareils électrodomestiques
et analogues -
Sécurité
Partie 2-105: Règles particulières
pour les cabines de douche multifonctions
(CEI 60335-2-105:2004)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2-105: Besondere Anforderungen
für multifunktionelle Duschseinrichtungen
(IEC 60335-2-105:2004)

This European Standard was approved by CENELEC on 2004-12-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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

I.S. EN 60335-2-105:2005

EN 60335-2-105:2005

- 2 -

Foreword

The text of document 61/2737/FDIS, future first edition of IEC 60335-2-105, prepared by the IEC Technical Committee 61, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60335-2-105 on 2004-12-01.

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) 2005-09-01
- date on which national standards
conflicting with the EN have to be withdrawn (dow) 2007-12-01

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 multifunctional shower cabinets.

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.

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 60335-2-105:2004 was approved by CENELEC as a European Standard without any modification.

I.S. EN 60335-2-105:2005

EN 60335-2-105:2005

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p Add:

Annex ZC
(normative)

**Normative references to international publications
with their corresponding European publications**

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 3864-1	2002	Graphical symbols – Safety colours and safety signs Part 1: Design principles for safety signs in workplaces and public areas	–	–

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-105: Particular requirements for multifunctional shower cabinets

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
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- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

This part of international standard IEC 60335 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

It forms the first edition of 60335-2-105.

This consolidated version of IEC 60335-2-105 consists of the first edition (2004) [documents 61/2737/FDIS and 61/2789/RVD] and its amendment 1 (2008) [documents 61/3412/FDIS and 61/3425/RVD].

The technical content is therefore identical to the base edition and its amendment and has been prepared for user convenience.

It bears the edition number 1.1.

A vertical line in the margin shows where the base publication has been modified by amendment 1.

This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the fourth edition (2001) of that standard.

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

This part 2 supplements or modifies the corresponding clauses in IEC 60335-1, so as to convert that publication into the IEC standard: Safety requirements for electric multifunctional shower cabinets.

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.

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- *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.

The following differences exist in the countries indicated below.

- 30.101: Additional requirements apply to large panels of non-metallic material (USA).

The committee has decided that the contents of the base publication and its amendments 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 4 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 the amendment 1 be adopted for implementation nationally not earlier than 12 months from the date of its publication.

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