



SLOVENSKI STANDARD

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

01-september-2008

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

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

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

Ta slovenski standard je istoveten z: EN 60335-2-105:2005/A1:2008

ICS:

13.120	Varnost na domu	Domestic safety
91.140.70	Sanitarne naprave	Sanitary installations

SIST EN 60335-2-105:2005/A1:2008 en,fr,de

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

<https://standards.iteh.ai/catalog/standards/sist/3367112e-d653-4edb-a3cc-69918447d3a8/sist-en-60335-2-105-2005-a1-2008>

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)

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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. <https://standards.iteh.ai/catalog/standards/sist/3367112e-d653-4edb-a3cc-69918447d3a8/sist-en-60335-2-105-2005-a1-2008>

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
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

Foreword

The text of document 61/3412/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.

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Endorsement notice

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

<https://standards.itech.ai/catalog/standards/sist/3367112e-d653-4edb-a3cc-0991b447c3a0/sist-en-60335-2-105-2005-a1-2008>

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).



IEC 60335-2-105

Edition 1.0 2008-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Household and similar electrical appliances – Safety –
Part 2-105: Particular requirements for multifunctional shower cabinets
(standards.iteh.ai)

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

69918447d3a8/sist-en-60335-2-105-2005-a1-2008

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX

E

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
61/3412/FDIS	61/3425/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.

CONTENTS

Add the following:

Annex BB (informative) Example of a separate multifunctional shower unit

INTRODUCTION

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 1 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 2 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, in the second paragraph, “electric **multifunctional shower cabinets**” by “electric **multifunctional shower cabinets** and electric **separate multifunctional shower units**”.

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 knowledge
 prevents them from using the appliance safely without supervision or instruction;
- children playing with the appliance.

In Note 103, add the following dashed items before the existing first dashed item.

- instantaneous water heaters used for showering (IEC 60335-2-35);
- shower-boost pumps (IEC 60335-2-41);

3 Definitions

Add the following new definition:

3.102

separate multifunctional shower unit

multifunctional shower unit without a prefabricated shower cabinet that incorporates at least one electric function in addition to the showering function

NOTE An example of a **separate multifunctional shower unit** is shown in Annex BB

6 Classification

6.2 In the addition, replace “**Multifunctional shower cabinets**” by “**Multifunctional shower cabinets** and **separate multifunctional shower units**”.

7 Marking and instructions

7.1 In the addition, replace the last paragraph by the following:

If the temperature of a water or steam outlet, excluding the shower head and the water outlets when the water is not heated by the **multifunctional shower cabinet** or **separate multifunctional shower unit** itself, exceeds 60 °C, the appliance shall be marked near the outlet with the symbol IEC 60417-5041 (2002-10) or with the substance of the following:

CAUTION: Hot surface

22 Construction

22.7 Replace “Replacement:” by “Addition:”

Delete the second paragraph of the test specification.

22.33 In the addition, add the following paragraph:

Vapour is not considered to be a conductive liquid.

30 Resistance to heat and fire

Add the following subclause:

30.2 Addition:

A function that only occurs when the shower water is flowing is attended use and for that part of the appliance, 30.2.2 is applicable.

If a function is unattended use, then for that part of the appliance, 30.2.3 is applicable.

Annexes

Add the following new annex:

Annex BB (informative)

Example of a separate multifunctional shower unit

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[SIST EN 60335-2-105:2005/A1:2008](https://standards.itch.ai/catalog/standards/sist/7367112e-d653-4edb-a3cc-69918447d3a8/sist-en-60335-2-105-2005-a1-2008)

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IEC 2344/07