

SLOVENSKI STANDARD SIST EN 60335-2-55:1998

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Safety of household and similar electrical appliances -- Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds

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Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke -- Teil 2-55: Besondere Anforderungen für elektrische Geräte zum Gebrauch mit Aquarien und Gartenteichen

SIST EN 60335-2-55:1998

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Sécurité des appareils électrodomestiques et analogués 1,29 Partie 2-55: Règles particulières pour les appareils électriques à utiliser avec les aquariums et les bassins de jardin

Ta slovenski standard je istoveten z: EN 60335-2-55:1997

ICS:

13.120 Varnost na domu Domestic safety

97.180 Razna oprema za dom in Miscellaneous domestic and

trgovino commercial equipment

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 60335-2-55

March 1997

ICS 97,180

Supersedes EN 60335-2-55:1993

Descriptors:

Household electrical appliances, aquariums, safety requirements, protection against electric shock, fire protection, protection against mechanical hazard

Enalish version

Safety of household and similar electrical appliances
Part 2: Particular requirements for electrical appliances
for use with aquariums and garden ponds

(IEC 60335-2-55:1997)

Sécurité des appareils électrodomestiques et analogues Partie 2: Règles particulières pour les appareils électriques à utiliser avec les ARD aquariums et les bassins de jardin (CEI 60335-2-55:1997) (standards.if

Sicherheit elektrischer Geräte für den gues
Hausgebrauch und ähnliche Zwecke Teil 2: Besondere Anforderungen für elektrische Geräte zum Gebrauch mit jardin
Aquarien und Gartenteichen
(standards.ite(EC 60335-2-55:1997)

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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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

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Foreword

The text of document 61/1041/FDIS, future second edition of IEC 60335-2-55, prepared by the IEC Technical Committee 61 was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60335-2-55 on 1996-12-09.

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) 1997-11-01

- date on which national standards conflicting with the EN have to be withdrawn

(dow)

1999-11-01

For products which have complied with EN 60335-2-55:1993 before 1999-11-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2004-11-01.

This standard has to be used in conjunction with EN 60335-1, Safety of household and similar electrical appliances. Part 1: General requirements. It was established on the basis of the 1994 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 electrical appliances for use with aquariums and garden ponds. (standards.iteh.ai)

Where a particular subclause of part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. Where this standard states "addition", "modification" or "replacement", the relevant text of part 1 is to be adapted accordingly.

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Subclauses which are additional to those in part 1 are numbered starting with 101.

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.

NOTE - 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 2. When a definition of part 1 concerns an adjective, the adjective and the associated noun are also in bold.

Endorsement notice

The text of the International Standard IEC 60335-2-55:1997 was approved by CENELEC as a European Standard without any modification.

NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI IEC 60335-2-55

> Deuxième édition Second edition 1997-02

Sécurité des appareils électrodomestiques et analogues

Partie 2:

Règles particulières pour les appareils électriques à utiliser avec les aquariums et les bassins de jardin

(standards.iteh.ai)

Safety of household and similar https://electrical/appliancesst/322f42c8-408c-4c7e-aab8

Part 2:

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Particular requirements for electrical appliances for use with aquariums and garden ponds

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

Part 2: Particular requirements for electrical appliances for use with aquariums and garden ponds

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The 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 the 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 National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.

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- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

This part of International Standard IEC 335 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

This second edition of IEC 60335-2-55 cancels and replaces the first edition published in 1989.

The text of this standard is based on the following documents:

FDIS	Report on voting
61/1041/FDIS	61/1112/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This part 2 is to be used in conjunction with the latest edition of IEC 335-1 and its amendments. It was established on the basis of the third edition (1991) of that standard.

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This part 2 supplements or modifies the corresponding clauses of IEC 335-1, so as to convert it into the IEC standard: Safety requirements for electrical appliances for use with aquariums and garden ponds.

Where a particular subclause of part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. Where this standard states "addition", "modification" or "replacement", the relevant text in part 1 is to be adapted accordingly.

NOTES

- 1 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 2. When a definition of part 1 concerns an adjective, the adjective and the associated noun are also in bold.

2 Subclauses which are additional to those in part 1 are numbered starting from 101.

The following additional differences exist in some countries:

- 2.2.9: appliances are operated with the inlet blocked (USA);

- 6.1: class OI appliances are allowed (Japan);
- 7.12.1: additional instructions are required (USA);

- clause 21: the tests are different (USA);

- 25.7: ordinary polyvinyl chloride sheathed cords are allowed (Australia).

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SAFETY OF HOUSEHOLD AND SIMILAR **ELECTRICAL APPLIANCES**

Part 2: Particular requirements for electrical appliances for use with aquariums and garden ponds

1 Scope

This clause of part 1 is replaced by:

This standard deals with the safety of electric appliances for use with aquariums and garden ponds for household and similar purposes, their rated voltage being not more than 250 V.

Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops and in light industry and farms, are within the scope of this standard.

NOTE 1 - Examples of appliances within the scope of this standard are

- aerators;
- sludge-suction appliances;

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automatic food dispensers.

So far as is practicable, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home.

- the use of appliances by young children or infirm persons without supervision;
- playing with the appliance by young children.

NOTES

- 2 Attention is drawn to the fact that
- for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary;
- for appliances intended to be used in tropical countries, special requirements may be necessary;
- in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities.
- This standard does not apply to
- appliances intended exclusively for professional use;
- appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas);
- appliances intended for outdoor use having a rated power input exceeding 100 W;
- electric pumps (IEC 335-2-41):
- luminaires for aquariums and garden ponds (IEC 598-2-18)*:
- portable immersion heaters (IEC 335-2-74).

^{*} IEC 598-2-18: 1993, Luminaires - Part 2: Particular requirements - Section 18: Luminaires for swimming pools and similar applications.