



SLOVENSKI STANDARD
SIST EN 60335-1:1997/A54:1997
01-junij-1997

Varnost gospodinjskih in podobnih električnih aparatov - 1. del: Splošne zahteve

Safety of household and similar electrical appliances -- Part 1: General requirements

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke -- Teil 1:
Allgemeine Anforderungen

Sécurité des appareils électrodomestiques et analogues -- Partie 1: Règles générales

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Ta slovenski standard je istoveten z: EN 60335-1:1988/A54:1992

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ICS:

13.120	Varnost na domu	Domestic safety
97.030	Električni aparati za dom na splošno	Domestic electrical appliances in general

SIST EN 60335-1:1997/A54:1997 **en**

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EUROPEAN STANDARD
NORME EUROPEENNE
EUROPÄISCHE NORM

EN 60335-1/A54

October 1992

UDC 621.365:64-621-83:64:614.8.004.1-777:621.396.699.8

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

Amendment A54 to the English version of EN 60335-1

**SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES
PART 1: GENERAL REQUIREMENTS**

Sécurité des appareils
électrodomestiques
et analogues
Première partie:
Règles générales

Sicherheit elektrischer
Geräte für den Hausgebrauch
und ähnliche Zwecke
Teil 1:
Allgemeine Anforderungen

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This amendment A54 modifies the European Standard EN 60335-1:1988. It was approved by CENELEC on 15 September 1992. 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.

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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 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, 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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Ref. No. EN 60335-1:1988/A54:1992 E

FOREWORD

R A proposal to amend EN 60335-1, document CLC/TC 61 (SEC) 752, was circulated under the enquiry procedure in November 1990.

This proposal was discussed during the Baden meeting in May 1991, when it was decided to submit a draft for an amendment to EN 60335-1 to the unique acceptance procedure (UAP). During this meeting it was decided to incorporate a further modification, based on document CLC/TC (NL) 274.

This draft was circulated as prAC in December 1991 and was ratified by CENELEC as amendment A54 on 15 September 1992.

This amendment has been prepared by the secretariat of CENELEC Technical Committee TC 61.

The following date is applicable:

- latest date of publication of
an identical national standard (dop) 1993-06-01

This document supplements or modifies the corresponding clauses of EN 60335-1:1988 and its amendments.

There are no special national conditions (snc) causing a deviation from this amendment. (standards.iteh.ai)

There are no national deviations from this amendment.

r NOTE: Amendment numbers commencing A1 refer to the endorsement of IEC amendments, while those commencing A51 originate in CENELEC.

24 **COMPONENTS**

- i 24.1 Add the following dashed item:
- R - capacitors subjected to the supply mains voltage used for radio interference suppression or used in unattended appliances for voltage dividing purposes shall comply with annex ZC.

28 **SCREWS AND CONNECTIONS**

- i 28.1 Add:
- r The test is not made if contact pressure, including that providing earthing continuity, is transmitted by two or more screws.
- i Add:

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- R The following clauses and subclauses of IEC 384-14:1981 apply to capacitors subjected to the supply mains voltage used for radio interference suppression or used in unattended appliances for voltage dividing purposes with the modifications indicated.

SECTION ONE - GENERAL4 **TERMINOLOGY**

- R 4.3 This subclause is applicable.
- i Capacitors of class X are tested as capacitors of Class X2.
- R 4.4 This subclause is applicable.

SECTION TWO - PREFERRED RATINGS AND CHARACTERISTICS6 **MARKING**

- R 6.1 Items a) and b) of this subclause are applicable.

SECTION THREE - REQUIREMENTS

- 8 **SCHEDULES FOR QUALIFICATION APPROVAL TESTS**
- R 8.1 Table II, group 0, group 2 and group 3 are applicable as follows:
- group 0: subclauses 10.1, 10.2, 11.1 and 11.3;
 - group 2: subclause 12.10;
 - group 3: subclause 12.11.
- 10 **VISUAL EXAMINATION AND CHECK OF DIMENSIONS**
- R 10.1 This subclause is applicable.
- 10.2 This subclause is applicable for the marking required by 6.1 a) and b).
- 11 **ELECTRICAL TESTS**
- R 11.1 This subclause is applicable.
- 11.3 In this subclause only table VI applies and the climatic category is -/-/21. The values for test A apply. However for capacitors in heating appliances, the values for test B or C apply.
- 12 **ENVIRONMENTAL TEST**
- R 12.10 This subclause is applicable.
- r NOTE: Only insulation resistance and voltage proof are checked (see table X).
- R 12.11 This subclause is applicable together with its subclauses 12.11.2 and 12.11.6 modified as follows:
- i 12.11.2 Add before the first paragraph:
- R Capacitors are subjected to an impulse voltage test if they are incorporated
- in appliances liable to be operated while unattended;
 - in other appliances where they are liable to remain under electric stress while the on-off switch or control is in the off position, irrespective of the position of the plug in the socket outlet.

The wave form of the impulse is 1,2/50 with a peak value of 2,5 kV. Alternatively, the test may be carried out with an impulse voltage having any front time but with a time to half value not exceeding 100 μ s.

The peak value of the impulse voltage is adjusted by means of an impulse proof capacitor of low inductance and having a capacitance similar to that of the capacitor under test.

The impulse voltage is applied 3 times with at least 1 s between the impulses. There shall be no flash-over and no visible damage.

r NOTE: When capacitors are used for voltage dividing purposes, the impulse voltage is applied to the terminals of the appliance.

i 12.11.6 Add:

r NOTE: Only insulation resistance and voltage proof are checked (see table XI) together with a visual examination to ensure that there is no visible damage.

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