



SLOVENSKI STANDARD SIST EN 60335-2-56:1995

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Safety of household and similar electrical appliances - Part 2: Particular requirements for projectors and similar appliances

Safety of household and similar electrical appliances -- Part 2: Particular requirements for projectors and similar appliances

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

Sécurité des appareils électrodomestiques et analogues -- Partie 2: Règles particulières pour les projecteurs et appareils analogues

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Ta slovenski standard je istoveten z: EN 60335-2-56:1991

ICS:

13.120	Varnost na domu	Domestic safety
37.040.10	Fotografska oprema. Projektorji	Photographic equipment. Projectors
37.060.10	Filmska oprema	Motion picture equipment

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EUROPEAN STANDARD
NORME EUROPEENNE
EUROPÄISCHE NORM

EN 60335-2-56

April 1991

UDC 64.04-83:778.2:778.55:614.8

Descriptors: Household electrical appliances, slide projectors, motion-picture projectors, safety requirements, protection against electric shock, fire protection, protection against mechanical hazard

English version

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES
PART 2: PARTICULAR REQUIREMENTS FOR PROJECTORS AND
SIMILAR APPLIANCES
(IEC 335-2-56:1990, modified)

Sécurité des appareils
électrodomestiques
et analogues

Deuxième partie:

Règles particulières pour les
projecteurs et appareils
analogues

(CEI 335-2-56:1990, modifiée)

Sicherheit elektrischer
Geräte für den Hausgebrauch
und ähnliche Zwecke

Teil 2:

Besondere Anforderungen für
Projektoren und ähnliche
Geräte

(IEC 335-2-56:1990, modifiziert)

iTeh STANDARD PREVIEW

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This European Standard was approved by CENELEC on 11 September 1990. 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, 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 60335-2-56:1991 E

FOREWORD

- R The proposal to endorse the first edition of IEC Publication 335-2-56, document CLC/TC 61 (SEC) 550, was circulated under the enquiry procedure in April 1987.

This proposal was discussed during the Brussels meeting in November 1988 when it was decided to submit a draft for EN 60335-2-56 to the voting procedure. This procedure started in March 1990.

The text of this draft was ratified by CENELEC on the 11th of September 1990.

This European Standard has been prepared by the secretariat of CENELEC technical committee TC 61.

The following dates are applicable:

- latest date of publication
 of an identical national standard (dop) 1991-10-01
- date of withdrawal of
 conflicting national standards (dow) 1993-10-01

For products which have complied with the relevant national standard before 1993-10-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1998-10-01.

- p This document supplements or modifies the corresponding clauses of IEC 335-2-56:1990, so as to convert that standard into the European Standard EN 60335-2-56. <https://standards.iteh.ai/catalog/standards/sist/a6e15814-5a1a-4c7a-873c-68ecaa4756fe/sist-en-60335-2-56-1995>
- R This standard has to be used in conjunction with EN 60335-1:1988, Safety of household and similar electrical appliances, Part 1: General requirements, including its amendments A2:1988, A5:1989 and A6:1989.

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.

Subclauses and figures which are in addition to those in IEC 335-1 are numbered starting with 101.

There are no special national conditions (snc) causing a deviation from this European Standard, other than those listed in annex ZX to EN 60335-1.

There are no national deviations from this European Standard, other than those listed in annex ZY to EN 60335-1.

Other publications quoted in this standard:

EN 60598:1989	Luminaires
EN 60742:1989	Isolating transformers and safety isolation transformers - Requirements
EN 60950:1988	Safety of information technology equipment including electrical business machines
HD 195 S6:1989	Safety requirements for mains operated electronic and related apparatus for household and similar general use
HD 243 S7:1988	Graphical symbols for use on equipment
HD 369.18 S1:1989	Index, survey and compilation of the single sheets
IEC 82:1984	Connectors for automatic slide projectors with built-in triacs for audio-visual application
	Ballasts for turbular fluorescent lamps

r The following print types are used:

- R - requirements: in roman type,
- i - test specifications: in italic type,
- r - explanations: in small roman type.

p Note. In this document the following indications are used in the margin:

- R for roman type,
- i for italic type,
- r for small roman type,
- p for instructions for preparing the printed version.

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ENDORSEMENT NOTICE

p The text of the International Standard IEC 335-2-56:1990 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

p Foreword Delete.

Preface Delete.

1. SCOPE

p 1.1 Replace "IEC Publication 380" by "EN 60950" and "IEC Publication 598" by "EN 60598".

2. DEFINITIONS

p 2.2.30 Replace "IEC Publication 65" by "HD 195".

2.2.108 Modification of the French text only.

7. MARKING

p 7.14 Replace "IEC Publication 417" by "HD 243".

24. COMPONENTS

p 24.1 Replace "IEC Publication 742" by "EN 60742".

Add:

r For connectors, see HD 369.18 S1 (IEC 574-18).

p Appendices Replace the text by:

R The appendices of Part 1 are applicable.

NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
335-2-56

Première édition
First edition
1990-01

Sécurité des appareils électrodomestiques
et analogues

Deuxième partie:
Règles particulières pour les projecteurs
et appareils analogues

SIST EN 60335-2-56:1995

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Safety of household and similar electrical
appliances

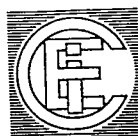
Part 2:
Particular requirements for projectors
and similar appliances

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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PRICE CODE 17

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

Part 2: Particular requirements for projectors
and similar appliances

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

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PREFACE

This publication has been prepared by Sub-Committee 61G: Safety of Projectors, of IEC Technical Committee No. 61: Safety of Household and Similar Electrical Appliances.

It forms the first edition of IEC Publication 335-2-56.

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

Six Months' Rule	Reports on Voting
61G(C0)3	61G(C0)4 and 4A

Further information can be found in the Reports on Voting indicated in the table above.

This Part 2 is intended to be used in conjunction with IEC Publication 335-1. It was established on the basis of the second edition (1976) of that publication, as modified by Amendments No. 1 (1977), No. 2 (1979), No. 3 (1982), No. 4 (1984), No. 5 (1986) and No. 6 (1988). Consideration may be given to future editions of, or amendments to, IEC Publication 335-1.

This Part 2 supplements or modifies the corresponding clauses in IEC Publication 335-1, so as to convert that publication into the IEC standard: Safety requirements for projectors and similar appliances (first edition).

Where a particular sub-clause of Part 1 is not mentioned in this Part 2, that sub-clause applies as far as is reasonable. Where this first edition states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in Part 1 should be adapted accordingly.

The following difference exists in some countries:

Class 0 and Class 0I appliances are allowed (Sub-clause 22.1).

In this publication:

1) the following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type;

2) sub-clauses and figures which are additional to those in Part 1 are numbered starting from 101; additional appendices are lettered AA, BB, etc.

[SIST EN 60335-2-56:1995](https://standards.iteh.ai/catalog/standards/sist-en-60335-2-56-1995)

The following IEC publications are quoted in this publication: <https://standards.iteh.ai/catalog/standards/sist-en-60335-2-56-1995> 873c-68ecaa4756fe/sist-en-60335-2-56-1995

Publications Nos. 82 (1984): Ballasts for tubular fluorescent lamps.

380 (1985): Safety of electrically energized office machines.

417 (1973): Graphical symbols for use on equipment. Index, survey and compilation of the single sheets.

598: Luminaires.

742 (1983): Isolating transformers and safety isolating transformer - Requirements.

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

Part 2: Particular requirements for projectors
and similar appliances

1 Scope

This clause of Part 1 is applicable except as follows:

1.1 Replacement:

This standard applies to projectors and similar appliances intended for use in homes, schools, offices, shops and similar locations.

Appliances without motors are within the scope of this standard.

This standard does not take into account the special hazards which exist in nurseries and other places where there are young children or aged or infirm persons without supervision; in such cases additional requirements may be necessary.

Examples of appliances within the scope of this standard are:

[SIST EN 60335-2-56:1995](https://standards.iteh.ai/catalog/standards/sist/a6e15814-5a1a-4c7a-873c-68eeay4756fe/sist-en-60335-2-56-1995)

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[68eeay4756fe/sist-en-60335-2-56-1995](https://standards.iteh.ai/catalog/standards/sist/a6e15814-5a1a-4c7a-873c-68eeay4756fe/sist-en-60335-2-56-1995)

- slide projectors (diascopes);
- film strip projectors;
- overhead projectors;
- opaque projectors (episcopes);
- opaque-transparency projectors (epidiascopes);
- microscope projectors;
- effect projectors;
- viewers (still viewers);
- film viewers (film editors);
- motion picture projectors (film projectors);
- photo-reproduction appliances;
- photographic enlargers;
- slide sorting appliances (slide light boxes);
- projectors incorporating sound amplifiers.

This standard does not apply to:

- readers for microfilms or microfiches (see IEC Publication 380);