



SLOVENSKI STANDARD
SIST EN 61047:2002/A1:2002
01-december-2002

Addition of new annex to EN

D.C. or a.c. supplied electronic step-down convertors for filament lamps - Performance requirements

Gleich- oder wechselstromversorgte elektronische Konverter für Glühlampen - Anforderungen an die Arbeitsweise

Convertisseurs abaisseurs électroniques alimentés en courant continu ou alternatif pour lampes à incandescence - Prescriptions de performances

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[SIST EN 61047:2002/A1:2002](https://standards.iteh.ai/catalog/standards/sist/6d2e9ffa-ed11-44e7-9cdc-bcd171292a75/sist-en-61047-2002-a1-2002)

Ta slovenski standard je istoveten z: EN 61047:1992/A1:1996

ICS:

29.140.20 Žarnice z žarilno nitko Incandescent lamps

SIST EN 61047:2002/A1:2002 **en**

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EUROPEAN STANDARD

EN 61047/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 1996

UDC 621.327.534.15.032:621.326.7
ICS 29.140.20

Descriptors: Electronic equipment, convertor, filament lamp, halogen lamp, classification, marking, temperature shock test, test requirement

English version

**D.C. or a.c. supplied electronic step-down convertors for filament lamps
Performance requirements
(IEC 1047:1991/A1:1996)**Convertisseurs abaisseurs électroniques
alimentés en courant continu ou
alternatif pour lampes à incandescence
Prescriptions de performances
(CEI 1047:1991/A1:1996)Gleich- oder wechselstromversorgte
elektronische Konverter für Glühlampen
Anforderungen an die Arbeitsweise
(IEC 1047:1991/A1:1996)**STANDARD PREVIEW**
(standards.iteh.ai)SIST EN 61047:2002/A1:2002<https://standards.iteh.ai/catalog/standards/sist/6d2e9ffa-ed11-44e7-9cdc-bed17f292a95/sist-en-61047-2002-a1-2002>

This amendment A1 modifies the European Standard EN 61047:1992; it was approved by CENELEC on 1996-07-02. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELECEuropean 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 34C/332/FDIS, future amendment 1 to IEC 1047:1991, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 61047:1992 on 1996-07-02.

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) 1997-04-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 1997-04-01

Endorsement notice

The text of amendment 1:1996 to the International Standard IEC 1047:1991 was approved by CENELEC as an amendment to the European Standard without any modification.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
1047

1991

AMENDEMENT 1
AMENDMENT 1

1996-04

Amendement 1

**Convertisseurs abaisseurs électroniques
alimentés en courant continu ou alternatif –
Prescriptions de performances**

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Amendment 1

[SIST EN 61047:2002/A1:2002](https://standards.iteh.ai/catalog/standards/sist/en-61047-2002/a1-2002)

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[bed17d292a95/sist-en-61047-2002-a1-2002](https://standards.iteh.ai/catalog/standards/sist/en-61047-2002/a1-2002)

**D.C. or a.c. supplied electronic step-down
convertors for filament lamps –
Performance requirements**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

C

Pour prix, voir catalogue en vigueur
For price, see current catalogue

FOREWORD

This amendment has been prepared by sub-committee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34C/332/FDIS	34C/379/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.

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CONTENTS

Add the title of the new annex B as follows:

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B - A guide to quoting product life and failure rate

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Add, after annex A, the following new annex B:

Annex B (informative)

A guide to quoting product life and failure rate

B.1 To allow the lifetime and failure rate of different electronic products to be meaningfully compared by a user it is recommended that the data defined in clauses B.2 and B.3 are provided by the manufacturer in a product catalogue.

B.2 The maximum surface temperature, symbol t_f (t-lifetime) of the electronic product or the maximum part temperature which affects product life, measured under normal operating conditions and at the nominal voltage or at the maximum of the rated voltage range, that allows a life of 50 000 h to be achieved.

NOTE – In some countries, like Japan, a life of 40 000 h should be applied.

B.3 The failure rate, if the electronic product is operated continuously at the maximum temperature t_f (defined in clause B.2). Failure rate should be quoted in units of failure in time (fit).

B.4 For the method used to obtain the information given in clauses B.2 and B.3 (mathematical analysis, reliability test etc.), the manufacturer should, on request, provide a comprehensive data file containing the details of the method.

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