



**SLOVENSKI STANDARD**  
**SIST EN 60400:1998/A1:1998**

**01-april-1998**

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**Lampholders for tubular fluorescent lamps and starterholders - Amedment A1 (IEC 60400:1996/A1:1997)**

Lampholders for tubular fluorescent lamps and starterholders

Lampenfassungen für röhrenförmige Leuchtstofflampen und Starterfassungen

Douilles pour lampes tubulaires à fluorescence et douilles pour starters

**ITeH STANDARD PREVIEW**  
**(standards.iteh.ai)**

**Ta slovenski standard je istoveten z: EN 60400:1996/A1:1997**

SIST EN 60400:1998/A1:1998  
<https://standards.iteh.ai/catalog/standards/sist/4173f925-f3fc-4fb0-a3da-8481adb267f4/sist-en-60400-1998-a1-1998>

**ICS:**

29.140.10      Grla in držala žarnic      Lamp caps and holders

**SIST EN 60400:1998/A1:1998**      **en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN 60400/A1

May 1997

ICS 29.140.10

Descriptors: Holder for fluorescent tubes, holder for external starting devices, requirements, testing, definitions

English version

**Lampholders for tubular fluorescent lamps and starterholders**  
(IEC 60400:1996/A1:1997)

Douilles pour lampes tubulaires à  
fluorescence et douilles pour starters  
(CEI 60400:1996/A1:1997)

Lampenfassungen für röhrenförmige  
Leuchtstofflampen und  
Starterfassungen  
(IEC 60400:1996/A1:1997)



This amendment A1 modifies the European Standard EN 60400:1996; it was approved by CENELEC on 1997-03-11. 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.

**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 34B/656/FDIS, future amendment 1 to IEC 60400:1996, prepared by SC 34B, Lamp caps and holders, 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 60400:1996 on 1997-03-11.

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) 1998-01-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1998-01-01

For products which have complied with EN 60400:1996 and its corrigendum July 1996 before 1998-01-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2003-01-01.

### Endorsement notice

The text of amendment 1:1997 to the International Standard IEC 60400:1996 was approved by CENELEC as an amendment to the European Standard without any modification.

[SIST EN 60400:1998/A1:1998](https://standards.iteh.ai/catalog/standards/sist/4173f925-f3fc-4fb0-a3da-8481adb267f4/sist-en-60400-1998-a1-1998)

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## Annex ZA (normative)

Normative references to international publications  
with their corresponding European publications

Delete the reference to "ASTM specification D 785-65:1981".

Add:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-62	1991	Environmental testing Part 2: Test methods - Test Ef: Impact, pendulum hammer	EN 60068-2-62 <sup>1)</sup>	1995
IEC 60068-2-63	1991	Test Eg: Impact, spring hammer	EN 60068-2-63	1994

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1) EN 60068-2-62 includes A1:1993 to IEC 60068-2-62.

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NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC

60400

1996

AMENDEMENT 1  
AMENDMENT 1

1997-04

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Amendement 1

**Douilles pour lampes tubulaires  
à fluorescence et douilles pour starters –**

Amendment 1

itec STANDARD PREVIEW

(standards.itec.ch)  
**Lamp holders for tubular fluorescent lamps  
and starterholders –**

SIST EN 60400:1998/A1:1998

<https://standards.itec.ch/catalog/standards/sist/4173f925-f3fc-4fb0-a3da-8481adb267f4/sist-en-60400-1998-a1-1998>

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

G

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

## FOREWORD

This amendment has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34B/656/FDIS	34B/686/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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### Page 9

#### 1 General

##### 1.2 Normative references

*Add to the existing list of IEC publications quoted the following publications:*

IEC 60068-2-62: 1991, *Environmental testing - Part 2: Tests - Test Ef: Impact, pendulum hammer*

IEC 60068-2-63: 1991, *Environmental testing - Part 2: Tests - Test Eg: Impact, spring hammer*

*Delete the last paragraph reading:*

*Other publication quoted:*

ASTM D 785-65: 1981.



## Page 15

## 5 Electrical rating

*Delete, in the first paragraph, the following text:*

- not less than 125 V and not more than 250 V a.c. r.m.s. for lampholders G5;

## Page 17

## 7 Marking

*Add the following new note at the end of subclause 7.1.c):*

NOTE - For holders where during dimming, i.e. reduction of the load, exceeding of the marked voltage rating is permissible (increased creepage distances and clearances), the maximum allowed value under these operating conditions should be given in the manufacturer's catalogue or the like (example: max dimming voltage ...V).

## Page 43

## 13 Endurance

*Add the following new note at the end of the fourth paragraph:*

NOTE - The test cap does not need to have keys if they have only keying function.

## Page 45

## 14 Mechanical strength

*Replace subclause 14.2 by the following:*

**14.2** *The mechanical strength of lampholders exclusively designed for building into a luminaire or other additional enclosure is checked by means of the pendulum hammer test specified in IEC 60068-2-62, subject to the following details (see clause 11 of IEC 60068-2-62):*

**a) Method of mounting:**

*The sample shall be mounted as in normal use on the adapter shown in IEC 60068-2-62, figure 5. The thickness of the metal sheet shall be in accordance with the manufacturer's instructions.*

*Lampholders which, due to their construction, cannot be mounted on the adapter shown in IEC 60068-2-62, figure 5 shall be mounted on an appropriate support conforming with the luminaire for which they have been specially designed.*

**b) Height of fall:**

*The striking element shall fall from one of the following heights:*

- 100 mm  $\pm$  1 mm for lampholders G5 and lampholders for building-in intended to be used in a luminaire providing adequate protection.