



SLOVENSKI STANDARD
SIST EN 60400:2000/A1:2004
01-januar-2004

**Lampholders for tubular fluorescent lamps and starterholders - Amendment A1
(IEC 60400:1999/A1:2002)**

Lampholders for tubular fluorescent lamps and starterholders

Lampenfassungen für röhrenförmige Leuchtstofflampen und Starterfassungen

Douilles pour lampes tubulaires à fluorescence et douilles pour starters

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Ta slovenski standard je istoveten z: EN 60400:2000/A1:2002

SIST EN 60400:2000/A1:2004
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ICS:

29.140.10 Grla in držala žarnic Lamp caps and holders

SIST EN 60400:2000/A1:2004 **en**

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EUROPEAN STANDARD

EN 60400/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2002

ICS 29.140.10

English version

Lampholders for tubular fluorescent lamps and starterholders
(IEC 60400:1999/A1:2002)

Douilles pour lampes tubulaires à
fluorescence et douilles pour starters
(CEI 60400:1999/A1:2002)

Lampenfassungen für röhrenförmige
Leuchtstofflampen und Starterfassungen
(IEC 60400:1999/A1:2002)

iTeh STANDARD PREVIEW

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This amendment A1 modifies the European Standard EN 60400:2000; it was approved by CENELEC on 2002-07-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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/994/FDIS, future amendment 1 to IEC 60400:1999, 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 60400:2000 on 2002-07-01.

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) 2003-04-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2005-07-01

Endorsement notice

The text of amendment 1:2002 to the International Standard IEC 60400:1999 was approved by CENELEC as an amendment to the European Standard without any modification.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
60400

1999

AMENDEMENT 1
AMENDMENT 1
2002-05

Amendement 1

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

ITeH STANDARD PREVIEW

Amendment 1

(standards.iteh.ai)

**Lampholders for tubular fluorescent lamps
and starterholders**

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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/994/FDIS	34B/999/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.

The committee has decided that the contents of this publication will remain unchanged until 2004. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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2 Definitions

Add, after definition 2.14, on page 17, the following new definition 2.15:

2.15

multilamp ballast

electronic mains ballast designed and declared to comply for application of lamps with different keys

Page 25

8 Protection against electric shock

Replace, on page 27, the third paragraph of 8.2 by the following:

In the case of side entry lampholders for linear G5 and G13 capped lamps, compliance is checked:

- *for lampholders G5 by means of gauge II as per IEC 60061-3, standard sheet 7006-47C, and*
- *for lampholders G13 by means of gauge II as per IEC 60061-3, standard sheet 7006-60C, with the gauge face touching the lampholder face.*

Replace the compliance clause at the end of 8.2 by the following:

Compliance is checked as follows:

- for starterholders, by means of the standard test finger shown in figure 39;
- for lampholders G5, by means of the gauge as per IEC 60061-3, standard sheet 7006-47A, and in conjunction with gauge II as per IEC 60061-3, standard sheet 7006-47C and the standard test finger shown in figure 39;

NOTE To prevent electrical contact between the test finger and the metal body of gauge II, the "cap" face of the gauge is covered with insulating material, having a thickness not exceeding 0,1 mm.

- for lampholders G13, by means of the gauge II as per IEC 60061-3, standard sheet 7006-60C and the standard test finger shown in figure 39;

NOTE To prevent electrical contact between the test finger and the metal body of gauge II, the "cap" face of the gauge is covered with insulating material, having a thickness not exceeding 0,1 mm.

- for lampholders Fa8 and R17d, by means of a gauge having a cylindrical form with a hemispherical end radius of 5,2 mm;
- for all other lampholders, by means of the standard test finger shown in figure 39.

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10 Construction iTeh STANDARD PREVIEW (standards.iteh.ai)

Delete, on page 37, the following sentence from 10.3.2:

For lampholders Fa8, a test for checking the contact force is under consideration.

Replace, on page 39, the penultimate dashed item of 10.5.a) by

- 7005-78: Lampholders G24, GX24 and GY24*

Add, after the final dashed item of 10.5.a, the two new dashed items as follows:

- 7005-33: Lampholder 2G13
- 7005-58: Lampholder Fa8

Delete the last line of 10.5.a) reading:

Standard sheets for lampholders Fa8 and 2G13 are under consideration.

Add the following text at the end of 10.5.a):

*Lampholders G24q and GX24q, allowing insertion of lamps with keys -3 and -4 are intended for sale to luminaire or equipment manufacturers only. For such two-key lampholders, insertion of "Not Go" gauges F (see IEC 60061-3, sheet 7006-78F) for keys -3 and -4 is accepted.

NOTE Subclause 2.3 and Annexes F and H of IEC 61199 provide background information regarding the need for keys.

Replace, on page 41, the first hyphenated item by

- for lampholders G5: 2 N;

Replace, on page 41, the first two hyphenated items following the NOTE, by the following four items:

- for lampholders R17d, by means of the gauges shown in standard sheets 7006-57A and 7006-57B of IEC 60061-3;
- for lampholders Fa8, by means of the gauges shown in standard sheets 7006-58 and 7006-58G of IEC 60061-3;
- for lampholders 2G13, by means of the gauges shown in standard sheets 7006-33A and 7006-33B of IEC 60061-3;
- for all other lampholders by means of the relevant gauges shown in IEC 60061-3;

Add the following text at the end of 10.5:

For (multi-key) lampholders G24q and GX24q, allowing insertion of lamps with keys -3 and -4, the lampholder manufacturer's documents shall include a warning notice about the restricted application, stating that these holders may only be used with ballasts which are approved for the operation of lamps with keys -3 and -4 (multilamp ballast).

NOTE It is essential that the relevant safety and performance requirements are met with every lamp key.

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13 Endurance

Replace the second dashed item of the sixth paragraph by the following new dashed item and text:

- other holders:
maximum resistance = $0,045 \Omega + (A \times n)$

Holders for single-pin caps Fa8 shall be checked by means of the gauge shown in fig. 20.

For flexible holders Fa8 the maximum resistance shall be $0,07 \Omega$ when measured with the gauge fully seated in the holder, irrespective of the position of the contact and with the holder equipped with a lead with a length of 75 mm and a minimum size of $0,75 \text{ mm}^2$,

Page 47

14 Mechanical strength

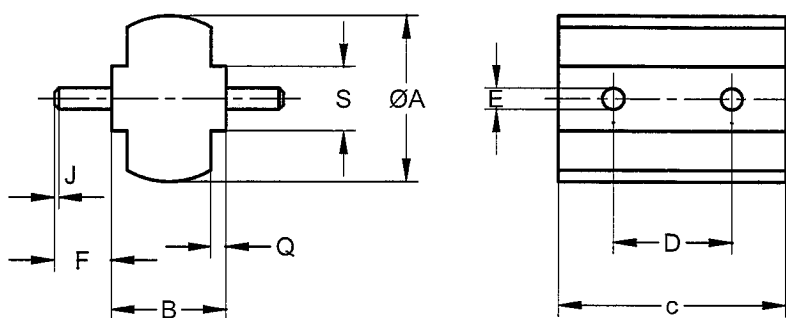
Add, on page 51, between the existing second and the third dashed items of 14.3, the following new items:

- 7006-33A: for lampholders 2G13;
- 7006-58: for lampholders Fa8;

Delete, on page 51, existing subclause 14.4 and renumber subclause 14.5 as 14.4.

Figures

Replace the existing figures 6 (page 81) and 10a (page 91) by the following new figures 6 and 10a.



IEC 1204/02

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Reference	Dimension mm	Tolerance mm
A	18,5	± 0,01
B	12,8	± 0,05
D	13,0	± 0,05
E	2,37	± 0,02
F	6,4	± 0,05
J	0,5	± 0,1
Q	1,7	± 0,05
S	7,2	± 0,05
c	25,0	± 0,2

Figure 6 – Test cap for the test of clause 13 for lampholders 2GX13