



SLOVENSKI STANDARD
SIST EN 61347-1:2008/A1:2011
01-junij-2011

**Stikalne naprave za sijalke - 1. del: Splošne in varnostne zahteve - Dopolnilo A1
(IEC 61347-1:2007/A1:2010)**

Lamp controlgear - Part 1: General and safety requirements (IEC 61347-1:2007/A1:2010)

Geräte für Lampen - Teil 1: Allgemeine und Sicherheitsanforderungen (IEC 61347-1:2007/A1:2010)

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Appareillages de lampes - Partie 1: Exigences générales et exigences de sécurité (CEI 61347-1:2007/A1:2010)

[SIST EN 61347-1:2008/A1:2011](https://standards.iteh.ai/catalog/standards/sist/108990c6-8aed-4faa-b432-001465be7ac9/sist-en-61347-1-2008-a1-2011)

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Ta slovenski standard je istoveten z: EN 61347-1:2008/A1:2011

ICS:

29.130.01	Stikalne in krmilne naprave na splošno	Switchgear and controlgear in general
29.140.99	Drugi standardi v zvezi z žarnicami	Other standards related to lamps

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en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61347-1/A1

February 2011

ICS 29.140.99

English version

**Lamp controlgear -
Part 1: General and safety requirements
(IEC 61347-1:2007/A1:2010)**

Appareillages de lampes -
Partie 1: Exigences générales et
exigences de sécurité
(CEI 61347-1:2007/A1:2010)

Geräte für Lampen -
Teil 1: Allgemeine und
Sicherheitsanforderungen
(IEC 61347-1:2007/A1:2010)

This amendment A1 modifies the European Standard EN 61347-1:2008; it was approved by CENELEC on 2011-02-01. 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.

<https://standards.iteh.ai/catalog/standards/sist/108990c6-8aed-4faa-b432-094030c4e38a/en-61347-1:2010>

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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of amendment 1:2010 to the International Standard IEC 61347-1:2007, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 61347-1:2008 on 2011-02-01 without any modification.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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) 2012-02-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2014-02-01

Endorsement notice

The text of amendment 1:2010 to the International Standard IEC 61347-1:2007 was approved by CENELEC as an amendment to the European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Addition:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60384-14	-	Fixed capacitors for use in electronic equipment - Part 14: Sectional specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains	EN 60384-14	-

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IEC 61347-1

Edition 2.0 2010-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Lamp controlgear – **STANDARD PREVIEW**
Part 1: General and safety requirements
(standards.iteh.ai)

Appareillages de lampes – **STANDARD PREVIEW**
Partie 1: Exigences générales et exigences de sécurité
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INTERNATIONAL
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FOREWORD

This amendment has been prepared by subcommittee 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/916/FDIS	34C/918/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 amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

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1 Scope

Add the following note to Clause 1:

NOTE It can be expected that lamp control gear which comply with this standard will not compromise safety between 90 % and 110 % of their rated supply voltage in independent use and when operated in luminaires complying with the safety standard IEC 60598-1 and the relevant part IEC 60598-2-xx and with lamps complying with the relevant lamp standards. Performance requirements may require tighter limits.

2 Normative references

Add the following reference to the existing list:

IEC 60384-14, *Fixed capacitors for use in electronic equipment – Part 14: Sectional specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains*

9 Provisions for protective earthing

Replace the last paragraph of Clause 9 by the following:

The voltage drop between the earthing terminal or earthing contact and the accessible metal part shall be measured and the resistance calculated from the current and the voltage drop. In no case shall the resistance exceed 0,5 Ω.

11 Moisture resistance and insulation

Replace the 6th paragraph of this clause by the following:

Insulation resistance shall be not less than 2 MΩ for basic insulation and 4 MΩ for reinforced insulation between live parts and the body.

Replace the existing item b) by the following:

- b) between live parts and outer metal parts, including fixing screws and metal foil in contact with outer insulating parts;

14 Fault conditions

Add, after the 6th paragraph, the following new paragraph:

Filter capacitors directly connected to the mains supply do not need to be tested if they comply with IEC 60384-14 and are classified X1 or X2 for the relevant voltage.

Replace the existing Subclause 14.5 by the following new subclause:

14.5 Compliance with 14.1 to 14.4 shall be checked by operating the lamp controlgear at the rated supply voltage according to the test circuit procedure given in 14.6, with the lamp(s) connected and the lamp controlgear case at t_c . Each of the fault conditions outlined in 14.1 to 14.4 inclusive shall then be applied in turn.

NOTE For the purpose of this clause the test voltage may be at any value within the supply voltage range of the control gear, or within $\pm 5\%$ where only single rated supply voltage is given. This is to allow the high supply current capacity require of this test.

The tests shall be carried out on three samples for each fault condition, consisting of one or more items submitted for the purpose of the type test. If one of the samples fails, the test shall be repeated with three new samples none of which shall fail.

The test shall be continued until stable conditions are obtained. The lamp controlgear case temperature shall then be measured.

NOTE Components such as resistors, capacitors, semiconductors, fuses, etc. might fail. Such components may be replaced so as to continue the test.

After the tests, when the lamp controlgear has returned to ambient temperature, the insulation resistance measured at approximately 500 V d.c. shall be not less than 1 MΩ.

To check whether gases liberated from component parts are flammable or not, a test with a high-frequency spark generator shall be made.

Accessible parts shall be tested in accordance with Annex A to determine whether they have become live.

To check whether emission of flames or molten material might present a safety hazard, the test specimen shall be wrapped with a tissue paper, as defined in 4.187 of ISO 4046-4, and the latter shall not ignite.

Add a new Subclause 14.6, as follows:

14.6 Connect the controlgear under test to a high-power a.c. supply capable of passing a fault current of at least 160 A $^{-0}_{+10}\%$, as shown in Figure 3. Apply the relevant fault condition.