

SLOVENSKI STANDARD
SIST EN 61347-2-3:2011/A1:2017
01-junij-2017

Krmilne stikalne naprave za sijalke - 2-3. del: Posebne zahteve za izmenično napajane elektronske predstikalne naprave za fluorescenčne sijalke - Dopolnilo A1 (IEC 61347-2-3:2011/A1:2016)

Lamp control gear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps (IEC 61347-2-3:2011/A1:2016)

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Ta slovenski standard je istoveten z: EN 61347-2-3:2011/A1:2017

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

SIST EN 61347-2-3:2011/A1:2017 **en**

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EUROPEAN STANDARD

EN 61347-2-3:2011/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2017

ICS 29.140.99

English Version

Lamp control gear - Part 2-3: Particular requirements for a.c.
and/or d.c. supplied electronic control gear for fluorescent lamps
(IEC 61347-2-3:2011/A1:2016)

Appareillages de lampes - Partie 2-3: Exigences
particulières pour les appareillages électroniques alimentés
en courant alternatif et/ou en courant continu pour lampes
fluorescentes
(IEC 61347-2-3:2011/A1:2016)

Geräte für Lampen - Teil 2-3: Besondere Anforderungen an
wechsel- und/oder gleichstromversorgte elektronische
Betriebsgeräte für Leuchtstofflampen
(IEC 61347-2-3:2011/A1:2016)

This amendment A1 modifies the European Standard EN 61347-2-3:2011; it was approved by CENELEC on 2016-08-19. 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.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 61347-2-3:2011/A1:2017**European foreword**

The text of document 34C/1206/FDIS, future IEC 61347-2-3:2011/A1, prepared by SC 34C "Auxiliaries for lamps", of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61347-2-3:2011/A1:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-10-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-04-28

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The text of the International Standard IEC 61347-2-3:2011/A1:2016 was approved by CENELEC as a European Standard without any modification.



IEC 61347-2-3

Edition 2.0 2016-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Lamp control gear – **STANDARD PREVIEW**
Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control
gear for fluorescent lamps
(standards.iteh.ai)

[SIST EN 61347-2-3:2011/A1:2017](https://standards.iteh.ai/catalog/standards/sist/692ac128-8303-4723-a759-2011-0001/iec-61347-2-3-2011-a1-2017)
Appareillages de lampes –
Partie 2-3: Exigences particulières pour les appareillages électroniques
alimentés en courant alternatif et/ou en courant continu pour lampes
fluorescentes

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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/1206/FDIS	34C/1241/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 website 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

Replace, in the first paragraph, the phrase:

"...use on a.c. and d.c. supplies up to 1 000 V at 50 Hz or 60 Hz with operating frequencies..."

with the following new text:

"...use on a.c. supplies at 50 Hz or 60 Hz up to 1 000 V and/or d.c. supplies up to 1 000 V with lamp operating frequencies..."

5 General notes on tests

Replace the second dashed list item with the following new text:

- 12 samples with each one or more units for the test of Clause 14, refer to IEC 61347-1, 14.5 (additional units or components, where necessary, may be required in consultation with the manufacturer).

7.1 Mandatory markings

Replace the existing text with the following new text:

In accordance with the requirements of 7.2 of IEC 61347-1, controlgear, other than integrated controlgear, shall be clearly and durably marked with the following mandatory markings:

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- items a), b), c), d), e), f), k), l), m), s), t) and u) of 7.1 of IEC 61347-1 (hereby item s) in 7.1 has priority over the requirements of SELV controlgear in Table L.1);
- according to 15.4, the declaration of U_{out} can be based on a reduced number of measurements.

7.2 Information to be provided, if applicable

Replace the existing text with the following new text:

In addition to the above mandatory markings, the following information, if applicable, shall be given either on the controlgear, or be made available in the manufacturer's catalogue or similar:

- items h), i), j) and n) given in 7.1 of IEC 61347-1;
- information regarding voltage polarity reversal protection for d.c. supplied controlgear only.

15.4 Output voltage and abnormal conditions

Add, after the existing paragraph, the following new text:

For multi-lamp or multi-power controlgear only the combination that leads to the highest voltage shall be measured.

If, from a similar review or declaration for all controlgear, it becomes clear that the voltage is below 50 V, then only that terminal-terminal or terminal-earth combination is measured.

17.2 Asymmetric pulse test

Replace the existing first three paragraphs up to "Test procedure" with the following new text:

The controlgear shall have adequate protection to prevent lamp cap overheating at the end of the lamp life cycle. Compliance is checked by the following test. The relevant values of lamp power, maximum asymmetric power P_{max} at the cathodes and the designation of lamp cap shall be taken from Annex E of IEC 60081 and Annex D of IEC 60901 respectively.

NOTE Amendment 6 of IEC 60081 is under preparation. Stage at the time of publication: IEC CDV 60081 AMD6:2015.

17.3 Asymmetric power test

Replace the existing first five paragraphs up to test item (5) with the following new text:

The controlgear shall have adequate protection to prevent lamp cap overheating at the end of the lamp life cycle. Compliance is checked by the following test. The relevant values of lamp power, maximum cathode power P_{max} at the cathodes and the designation of lamp cap shall be taken from Annex E of IEC 60081 and Annex D of IEC 60901 respectively.

NOTE Amendment 6 of IEC 60081 is under preparation. Stage at the time of publication: IEC CDV 60081 AMD6:2015.

Test procedure:

Refer to the schematic diagram in Figure 2.

- (1) Set switch S1 to position A.
- (2) Set resistance of resistor R1 to 0 (zero) Ω .
- (3) Start lamp(s) by turning on power to controlgear under test and allow lamp(s) to warm up for 5 min.

- (4) Increase the resistance of R1 rapidly, (within 15 s) until the power dissipated by resistor R1 equals the test power value of twice the asymmetric power P_{\max} in Annex E of IEC 60081 and Annex D of IEC 60901 respectively. If the controlgear limits the power in R1 to a value less than the test power, set R1 at the value which produces the maximum power. If the controlgear switches off before reaching the test power, continue with (5). If the controlgear does not switch off and limits the power in R1 to a value less than the test power, set R1 at the value which produces the maximum power.
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