SLOVENSKI STANDARD
SIST EN 61347-2-13:2014/A1:2017

01-junij-2017

Krmilne stikalne naprave za sijalke - 2-13. del: Posebne zahteve za enosmerno ali izmenično napajane elektronske krmilne stikalne naprave za module LED - Dopolnilo A1 (IEC 61347-2-13:2014/A1:2016)

Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules (IEC 61347-2-13:2014/A1:2016)

Ta slovenski standard je istoveten z: **EN 61347-2-13:2014/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 61347-2-13:2014/A1:2017 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61347-2-13:2014/A1

April 2017

ICS 29.140.99

English Version

Lamp controlgear - Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules (IEC 61347-2-13:2014/A1:2016)

Appareillages de lampes - Partie 2-13: Exigences particulières pour les appareillages électroniques alimentés en courant continu ou alternatif pour les modules de LED (IEC 61347-2-13:2014/A1:2016)

Geräte für Lampen - Teil 2-13: Besondere Anforderungen an gleich- oder wechselstromversorgte elektronische Betriebsgeräte für LED-Module (IEC 61347-2-13:2014/A1:2016)

This amendment A1 modifies the European Standard EN 61347-2-13:2014; it was approved by CENELEC on 2016-08-24. 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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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

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Ref. No. EN 61347-2-13:2014/A1:2017 E

European foreword

The text of document 34C/1199/FDIS, future IEC 61347-2-13:2014/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 61347-2-13:2014/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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Endorsement notice

The text of the International Standard IEC 61347-2-13:2014/A1:2016 was approved by CENELEC as a European Standard without any modification.

IEC 61347-2-13

Edition 2.0 2016-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Lamp controlgear –
Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules

Appareillage de lampes –
Partie 2-13: Exigences particulières pour les appareillages électroniques alimentés en courant continu ou alternatif pour les modules de LED

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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/1199/FDIS	34C/1211/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 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.

INTRODUCTION

This Amendment 1 to IEC 61347-2-13: 2014 has been developed by SC 34C to include the following significant technical changes:

a) Dated reference to Part 1 has been deleted to allow the use of this Part 2 in conjunction with the latest updated version of IEC 61347-1.

   This Part 2-13 is intended to be used in conjunction with the latest edition of IEC 61347-1 and its amendments.

b) Clause 21 has been introduced to verify the U_{out} as the maximum output voltage in any load conditions. This clause has been circulated in SC 34C as Fragment 3 of 34C/1038/DC, but was not included in the 34C/1092/FDIS.

Replace, in the entire document, all instances of the dated "IEC 61347-1:2007", "IEC 61347-1:2007/AMD1:2010", "IEC 61347-1:2007/AMD2:2012" *and* "IEC 61347-1:2007/AMD1:2010/AMD2:2012" *with the undated* "IEC 61347-1".

7.1 Mandatory marking

Replace the existing text by the following:

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

– items a), b), c), d), e), f), k), l), m), t) and u) of 7.1 of IEC 61347-1, together with:
– for constant voltage types: P_{rated} rated output power and U_{rated} rated output voltage;
– for constant current types: P_{rated} rated output power and I_{rated} rated output current;
– if applicable: an indication that the controlgear is suitable for operation with LED modules only.

7.2 Information to be provided if applicable

Replace the first dashed item by the following:

– items h), i), j) and s) of 7.1 of IEC 61347-1 together with

Add, after Clause 20, the following new Clause 21:

21 Maximum working voltage (U_{out}) in any load condition

Under normal operating conditions and any other load conditions, which means including the abnormal condition, the voltage at the output terminals shall not exceed the maximum working voltage for which the controlgear is declared (U_{out}).

The test shall be carried out with the controlgear supplied at rated supply voltage and loaded in maximum load condition with LED modules. The number of LED modules is dependent on the maximum of the declared electrical parameters. Then the load is modified in order to find the load condition where the voltage between terminals gives the maximum values.

NOTE 1 The load may be modified by connecting other LED modules (or resistor if the result is not affected by the type of load) in series or in parallel to modify the total load impedance. Normally the voltage rises by adding LEDs in series. In most cases the highest voltage is reached in no-load condition.

Compliance is checked by measuring the maximum output voltage between the terminals and the maximum output voltage between the terminals and earth in any load condition.

NOTE 2 The voltage between terminals and earth does not need to be measured in case of controlgears providing insulation between PRI and SEC.

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