

# SLOVENSKI STANDARD

## SIST EN 61347-2-1:2002/A2:2014

01-april-2014

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**Krmilne naprave za sijalke - 2-1. del: Posebne zahteve za vžigne naprave (razen tlivnih starterjev) - Dopolnilo A2 (IEC 61347-2-1:2000/A2:2013)**

Lamp controlgear - Part 2-1: Particular requirements for starting devices (other than glow starters)

Geräte für Lampen - Teil 2-1: Besondere Anforderungen an Startgeräte (andere als Glimmstarter)

Appareillages de lampes - Partie 2-1: Prescriptions particulières pour les dispositifs d'amorçage (autres que starters à lueur)

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**Ta slovenski standard je istoveten z: EN 61347-2-1:2001/A2:2014**

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**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 61347-2-1:2002/A2:2014**      **en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61347-2-1/A2**

February 2014

ICS 29.140.99

English version

**Lamp controlgear -  
Part 2-1: Particular requirements for starting devices (other than glow  
starters)  
(IEC 61347-2-1:2000/A2:2013)**

Appareillages de lampes -  
Partie 2-1: Prescriptions particulières pour  
les dispositifs d'amorçage (autres que  
starters à lueur)  
(CEI 61347-2-1:2000/A2:2013)

Geräte für Lampen -  
Teil 2-1: Besondere Anforderungen an  
Startgeräte (andere als Glühstarter)  
(IEC 61347-2-1:2000/A2:2013)

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This amendment A2 modifies the European Standard EN 61347-2-1:2001; it was approved by CENELEC on 2013-10-30. 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 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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**CENELEC**

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**

## Foreword

The text of document 34C/1051/FDIS, future IEC 61347-2-1:2000/A2, 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 61347-2-1:2001/A2:2014.

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) 2014-07-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-10-30

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

## Endorsement notice

The text of the International Standard IEC 61347-2-1:2000/A2:2013 was approved by CENELEC as a European Standard without any modification.

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**Annex ZA**  
(normative)**Normative references to international publications  
with their corresponding European publications**

***Addition in Annex ZA of EN 61347-2-1:2001:***

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60598-1	-	Luminaires - Part 1: General requirements and tests	EN 60598-1	-

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IEC 61347-2-1

Edition 1.0 2013-09

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

AMENDMENT 2  
AMENDEMENT 2

Lamp controlgear –

Part 2-1: Particular requirements for starting devices (other than glow starters)

Appareillages de lampes –

Partie 2-1: Prescriptions particulières pour les dispositifs d'amorçage (autres que starters à lueur)

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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/1051/FDIS	34C/1067/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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## CONTENTS

SIST EN 61347-2-1:2002/A2:2014

Replace the titles of clause 15 and its subclauses by the following new titles:

45081a75a971/sist-en-61347-2-1-2002-a2-2014

- 15 Heating of built-in and independent starting devices
- 15.1 General
- 15.2 Normal operation
- 15.3 Abnormal operation

## 2 Normative references

Add the following new reference:

IEC 60598-1, *Luminaires – Part 1: General requirements and tests*

## 3 Definitions

Add, after 3.6, the following new entry 3.7:

### 3.7

#### **maximum case temperature under abnormal conditions**

maximum allowable case temperature of the starting devices and ignitors under abnormal conditions with metal halide lamps

$(t_c + X)$

NOTE The value of  $(t_c + X)$  is declared by the manufacturer.

[SOURCE: IEC 60927, 3.7, modified – The term "starting device" is added.]



## 7.1 Mandatory markings

*Add, at the end of the list, a new dashed item as follows:*

- The manufacturer shall declare the allowable maximum case temperature under normal condition (A) and, for ignitors which are intended to be connected in series with discharge lamps which could, according to the lamp specification cause rectification, the maximum case temperature under abnormal condition (B). The marking shall be “ $t_c$  A/B” (example  $t_c$  60/90 = maximum temperature 60 °C for the normal and maximum temperature 90 °C for the abnormal conditions).

## 14 Fault conditions

*Replace the first sentence of 14.2 in Amendment 1 by the following sentence:*

Independent starting devices shall not exceed the temperature values for abnormal operation given in 15.3.3.

## 15 Heating of independent starting devices

*Replace the title and text of clause 15 and the changes made to it by Amendment 1 with the following:*

## 15 Heating of built-in and independent starting devices

### 15.1 General

Built-in and independent starting devices shall not exceed the temperature limits during normal operation ( $t_c$ ) and abnormal operation ( $t_c + X$ ).

In addition to the requirements of this clause of IEC 61347-2-1 for built-in starting devices the normal and the abnormal operating condition are checked together with the luminaire in accordance with IEC 60598-1.

### 15.2 Normal operation

#### 15.2.1 General

Normal conditions are working conditions in which one or more of the following situations apply:

- lamps are operating normally;
- rated current flows through the starting device;
- the starting device has been connected to a voltage source, for example, the mains voltage or the lamp voltage arising during normal operation;
- combination of b) and c).

#### 15.2.2 Normal operation of built-in starting devices

*Compliance of built-in starting device in normal operation is checked by the following procedure.*

*The starting devices are connected as for normal use with appropriate lamps.*

*The built-in starting device shall be placed in a test enclosure as detailed in annex D of IEC 61347-1, the starting device being supported by two wooden blocks as shown in figure H.1 of IEC 61347-1.*