SIST

SLOVENSKI STANDARD
SIST EN 61347-2-3:2011

01-oktober-2011

Nadomešča:
SIST EN 60925:1995
SIST EN 61347-2-4:2002
SIST EN 61347-2-5:2002
SIST EN 61347-2-6:2002

Krmilne stikalne naprave za sijalke - 2-3. del: Posebne zahteve za izmenično napajane elektronske predstikalne naprave za fluorescenčne sijalke

Lamp controlgear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps

Geräte für Lampen - Teil 2-3: Besondere Anforderungen an wechsel- und/oder gleichstromversorgte elektronische Betriebsgeräte für Leuchtstofflampen

Appareillages de lampes - Partie 2-3: Exigences particulières pour les appareillages électroniques alimentés en courant alternatif et en courant continu pour lampes fluorescentes

Ta slovenski standard je istoveten z: **EN 61347-2-3:2011**

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

SIST EN 61347-2-3:2011 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61347-2-3

July 2011

ICS 29.140.99

Supersedes EN 60925:1991, EN 61347-2-3:2001 + corr. Jul.2003 + corr. Dec.2010 + A1:2004 + A2:2006, EN 61347-2-4:2001 + corr. Jul.2003 + corr. Dec.2010, EN 61347-2-5:2001 + corr. Jul.2003 + corr. Dec.2010, EN 61347-2-6:2001 + corr. Jul.2003 + corr. Dec.2010

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)

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

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

This European Standard was approved by CENELEC on 2011-06-23. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 European Standard 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

Ref. No. EN 61347-2-3:2011 E

Foreword

The text of document 34C/955/FDIS, future edition 2 of IEC 61347-2-3, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61347-2-3 on 2011-06-23.

This standard is to be used in conjunction with EN 61347-1:2008 + A1:2011.

This European Standard supersedes EN 60925:1991 + A1:1996 + A2:2001, EN 61347-2-3:2001 + corrigendum July 2003 + corrigendum December 2010 + A1:2004 + A2:2006, EN 61347-2-4:2001 + corrigendum July 2003 + corrigendum December 2010, EN 61347-2-5:2001 + corrigendum July 2003 + corrigendum December 2010 and EN 61347-2-6:2001 + corrigendum July 2003 + corrigendum December 2010.

The significant revisions with respect to EN 61347-2-3:2001 are:

– rectifying test conditions when dimming;

– construction requirements;

– measurement circuits and limits for HF leakage currents;

– modification of the structure to become a standard exclusively for a.c. and d.c. central supplied electronic control gear for general lighting and Annex J cover centrally supplied emergency control gear.

This part 2 supplements or modifies the corresponding clauses in EN 61347-1 so as to convert that publication into the European Standard: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps.

NOTE In this standard, the following print types are used:

– Requirements proper: in roman type.

– *Test specifications: in italic type.*

– Explanatory matter: in smaller roman type.

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 EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2012-03-23
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2014-06-23

Annex ZA has been added by CENELEC.

Endorsement notice

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

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60598-2-22	NOTE	Harmonized as EN 60598-2-22.
IEC 61195	NOTE	Harmonized as EN 61195.
IEC 61199	NOTE	Harmonized as EN 61199.

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.

Publication	Year	Title	EN/HD	Year
IEC 60929	2011	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	EN 60929	201X[1)]
IEC 61347-1 (mod) + A1	2007 2010	Lamp controlgear - Part 1: General and safety requirements	EN 61347-1 + A1	2008 2011
IEC 61347-2-7	201X[1)]	Lamp controlgear - Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)	EN 61347-2-7	201X[1)]
IEC 61547	-	Equipment for general lighting purposes - EMC immunity requirements	EN 61547	-

[1)] To be published.

IEC 61347-2-3

Edition 2.0 2011-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Lamp control gear –
Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps

Appareillages de lampes –
Partie 2-3: Exigences particulières pour les appareillages électroniques alimentés en courant alternatif et/ou en courant continu pour lampes fluorescentes

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

PRICE CODE
CODE PRIX X

ICS 29.140.99

ISBN 978-2-88912-498-5

CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

LAMP CONTROL GEAR –

Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
6) All users should ensure that they have the latest edition of this publication.
7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61347-2-3 has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

This standard shall be used in conjunction with IEC 61347-1 (2007) and its Amendment 1 (2010).

This second edition cancels and replaces the first edition published in 2000, its Amendment 1 (2004) and its Amendment 2 (2006)), IEC 61347-2-4 published in 2000, IEC 61347-2-5 published in 2000 and IEC 61347-2-6 published in 2000. This second edition constitutes a technical revision.

The significant revisions with respect to the first edition are:

– rectifying test conditions when dimming;
– construction requirements;
– measurement circuits and limits for HF leakage currents;
– modification of the structure to become a standard exclusively for a.c. and d.c. central supplied electronic control gear for general lighting and Annex J cover centrally-supplied emergency control gear.

The text of this standard is based on the following documents:

FDIS	Report on voting
34C/955/FDIS	34C/968/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This part 2 supplements or modifies the corresponding clauses in IEC 61347-1 so as to convert that publication into the IEC standard: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps.

NOTE In this standard, the following print types are used:

– Requirements proper: in roman type.
– *Test specifications: in italic type*.
– Explanatory matter: in smaller roman type.

A list of all parts of the IEC 61347 series, published under the general title: *Lamp control gear*, can be found on the IEC website.

The committee has decided that the contents of this 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.

INTRODUCTION

This second edition of IEC 61347-2-3, published in conjunction with IEC 61347-1, represents an review of the first edition of IEC 61347-2-3. The formatting into separately published parts provides for ease of future amendments and revisions. Additional requirements will be added as and when a need for them is recognized.

This standard, and the parts which make up IEC 61347-2, in referring to any of the clauses of IEC 61347-1, specify the extent to which such a clause is applicable and the order in which the tests are to be performed; they also include additional requirements, as necessary. All parts which make up IEC 61347-2 are intended to be self-contained and, therefore, do not include references to each other. However, for the case of emergency lighting lamp control gear, some cross-referencing has been necessary.

Where the requirements of any of the clauses of IEC 61347-1 are referred to in this standard by the phrase ”The requirements of clause n of IEC 61347-1 apply”, this phrase is interpreted as meaning that all requirements of the clause in question of part 1 apply, except any which are clearly inapplicable to the specific type of lamp control gear covered by this particular part of IEC 61347-2.

LAMP CONTROL GEAR –

Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps

1 Scope

This part of IEC 61347 specifies particular safety requirements for electronic control gear for use on a.c. and d.c. supplies up to 1 000 V at 50 Hz or 60 Hz with operating frequencies deviating from the supply frequency, associated with fluorescent lamps as specified in IEC 60081 and IEC 60901, and other fluorescent lamps for high-frequency operation.

Performance requirements are the subject of IEC 60929.

Particular requirements for electronic control gear with means protection against overheating are given in Annex C.

For emergency lighting operation, particular requirements for control gear operated from a central supply are given in Annex J. Performance requirements appropriate to the safe operation of emergency lighting are also contained in Annex J.

Requirements for emergency lighting control gear operating from non-centralised power supplies are given in IEC 61347-2-7.

NOTE Performance requirements detailed by Annex J are those considered to be safety-related with respect to reliable emergency operation.

2 Normative references

For the purposes of this document, the normative references given in Clause 2 of IEC 61347-1 which are mentioned in this standard apply, together with the following normative references.

IEC 60929: 2011, *AC and/or DC-supplied electronic control gear for tubular fluorescent lamps – Performance requirements*

IEC 61347-1:2007, *Lamp control gear – Part 1: General and safety requirements* Amendment 1(2010)

IEC 61347-2-7,___ *Lamp control gear – Part 2-7: Particular requirements for battery supplied electronic control gear for emergency lighting (self-contained)*[1]

IEC 61547, *Equipment for general lighting purposes – EMC immunity requirements*

---

1 To be published