

**Lampide juhtimisseadised. Osa 2-3: Erinõuded
luminofoorlampide vahelduvvoolu- ja/või
alalisvoolutoitega elektron-juhtimisseadistele**

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 61347-2-3:2011 sisaldab Euroopa standardi EN 61347-2-3:2011 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 29.07.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 61347-2-3:2011 consists of the English text of the European standard EN 61347-2-3:2011.

This standard is ratified with the order of Estonian Centre for Standardisation dated 29.07.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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Inglisekeelsed võtmesõnad: bulbs, electric, electrical enginee, electrical safety, equipment safety, fluorescent lamps, illumination engineering, instruments, lamps, operation, protection against electric shocks, safety, safety requirements, specification (approval), specifications, testing,

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**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

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
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.

CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	8
4 General requirements	8
5 General notes on tests	9
6 Classification.....	9
7 Marking	9
8 Protection against accidental contact with live parts	10
9 Terminals	10
10 Provisions for earthing.....	10
11 Moisture resistance and insulation.....	10
12 Electric strength	10
13 Thermal endurance test for windings	10
14 Fault conditions	10
15 Protection of associated components	10
16 Abnormal conditions	11
17 Behaviour of the control gear at end of lamp life.....	12
18 Construction.....	19
19 Creepage distances and clearances	19
20 Screws, current-carrying parts and connections.....	19
21 Resistance to heat, fire and tracking.....	19
22 Resistance to corrosion	19
Annex A (normative) Test to establish whether a conductive part is a live part which may cause an electric shock	24
Annex B (normative) Particular requirements for thermally protected lamp control gear	25
Annex C (normative) Particular requirements for electronic lamp control gear with means of protection against overheating.....	26
Annex D (normative) Requirements for carrying out the heating tests of thermally protected lamp control gear	27
Annex E (normative) Use of constant S other than 4 500 in t_w tests.....	28
Annex F (normative) Draught-proof enclosure.....	29
Annex G (normative) Explanation of the derivation of the values of pulse voltages	30
Annex H (normative) Tests	31
Annex I (normative) Measurement of high-frequency leakage current	32
Annex J (normative) Particular additional safety requirements for a.c., a.c./d.c. or d.c. supplied electronic control gear for emergency lighting	37
Annex K (informative) Components used in the asymmetric pulse test circuit (see Figure 1).....	41
Annex L (normative) Information for control gear design (from Annex E of IEC 61195).....	42
Bibliography.....	43

Figure 1 – Asymmetric pulse test circuit.....	14
Figure 2 – Asymmetric power detection circuit	16
Figure 3 – Open filament test circuits.....	19
Figure 4 – Circuit for testing rectifying effect.....	20
Figure 5 – Nomographs for the capacitive leakage current limits of HF-operated fluorescent lamps	23
Figure I.1 – Leakage current test arrangement for various fluorescent lamps	36
Table 1 – Relation between r.m.s. working voltage and maximum peak voltage	11
Table J.1 – Pulse voltages.....	40
Table K.1 – Material specification	41
Table K.2 – Transformer specification.....	41

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