

Lamp controlgear —

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

ICS 29.140.99

National foreword

This British Standard is the UK implementation of EN 61347-2-1:2001+A2:2014, incorporating corrigenda July 2003, November 2006 and December 2010. It is identical to IEC 61347-2-1:2000, incorporating amendments 1:2005 and 2:2013. It supersedes BS EN 61347-2-1:2001+A1:2006, which will be withdrawn on 30 October 2016.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by A1 A1.

The UK participation in its preparation was entrusted by Technical Committee CPL/34, Lamps and Related Equipment, to Subcommittee CPL/34/3, Auxiliaries for lamps.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 May 2001

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	31 March 2011	Modification of CENELEC foreword
	31 May 2014	Implementation of IEC amendment 2:2013 with CENELEC endorsement A2:2014. Annex ZA amended

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

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

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

This European Standard was approved by CENELEC on 2002-11-01. 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.

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CENELEC

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

Central Secretariat: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 34C/498/FDIS, future edition 1 of IEC 61347-2-1, 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 61347-2-1 on 2000-11-01.

This European Standard, together with EN 61347-1, supersedes EN 60926:1996 + A1:1999.

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) 2001-08-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-12-01

This standard shall be used in conjunction with EN 61347-1.

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

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in smaller roman type.

Annexes designated "normative" are part of the body of the standard.

In this standard, annexes A to J and ZA are normative.

Annex ZA has been added by CENELEC.

Endorsement notice

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

Foreword to amendment A1

The text of document 34C/697/FDIS, future amendment 1 to IEC 61347-2-1:2000, 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 amendment A1 to EN 61347-2-1:2001 on 2006-02-01.

The following dates were fixed:

- latest date by which the amendment has to be
implemented at national level by publication of
an identical national standard or by endorsement (dop) 2006-11-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2009-02-01

This European Standard makes reference to International Standards. Where the International Standard referred to has been endorsed as a European Standard or a home-grown European Standard exists, this European Standard shall be applied instead. Pertinent information can be found on the CENELEC web site.

Endorsement notice

The text of amendment 1:2005 to the International Standard IEC 61347-2-1:2000 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A2

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.

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- 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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INTRODUCTION

This first edition of IEC 61347-2-1, published in conjunction with IEC 61347-1, represents an editorial review of IEC 60926. 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 self-contained and, therefore, do not include references to each other.

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 controlgear covered by this particular part of IEC 61347-2.

LAMP CONTROLGEAR –

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

1 Scope

This part of IEC 61347 specifies particular safety requirements for starting devices (starters other than glow starters and ignitors) for fluorescent and other discharge lamps for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz which produce starting pulses not greater than 100 kV and which are used in combination with lamps and ballasts covered in IEC 60081, IEC 60188, IEC 60192, IEC 60662, IEC 60901, IEC 61167, IEC 61195, IEC 61199, IEC 61347-2-8 and IEC 61347-2-9.

It does not apply to glow starters or starting devices which are incorporated in discharge lamps or which are manually operated. Preheat transformers for fluorescent lamps are covered by IEC 61347-2-8.

NOTE Glow starters are dealt with in IEC 60155.

 Text deleted 

Performance requirements are given in IEC 60927.

2 Normative references

For the purpose of this part of IEC 61347, 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 60052:2002, *Voltage measurement by means of standard air gaps*

IEC 60068-2-75:1997,  *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

IEC 60155, *Glow-starters for fluorescent lamps*

IEC 60188, *High-pressure mercury vapour lamps*

IEC 60192, *Low-pressure sodium vapour lamps*

 IEC 60255-8:1990,  *Electrical relays – Part 8: Thermal electrical relays*

IEC 60662, *High-pressure sodium vapour lamps*

IEC 61167, *Metal halide lamps*

IEC 61195, *Double-capped fluorescent lamps – Safety specifications*

IEC 61199, *Single-capped fluorescent lamps – Safety specifications*

IEC 61347-1, *Lamp controlgear – Part 1: General and safety requirements*