

Lamp controlgear —

Part 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)

ICS 29.140.99

National foreword

This British Standard is the UK implementation of EN 61347-2-9:2001+A2:2006, including Corrigenda July 2003 and December 2010. It is identical with IEC 61347-2-9:2000, including amendments 1:2003 and 2:2006. Together with BS EN 61347-1:2001 it supersedes BS EN 60922:1997, which is withdrawn.

The start and finish of text introduced or altered by IEC amendment is indicated in the text by tags **A1** **A1**. 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.

Amendments/corrigenda issued since publication

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14661 Corrigendum No. 1	26 September 2003	Change to date of withdrawal in foreword
14979	10 February 2004	Additional text added to Clause 12
16574	29 September 2006	See national foreword
	31 July 2011	Implementation of CENELEC corrigendum December 2010: deletion of the date of the reference EN 61347-1 in CENELEC Foreword

Lamp controlgear —
Part 2-9: Particular requirements for ballasts for discharge lamps
(excluding fluorescent lamps)
(IEC 61347-2-9:2000)

Appareillages de lampes
Partie 2-9: Prescriptions particulières
pour les ballasts pour lampes à décharge
(à l'exclusion des lampes fluorescentes)
(CEI 61347-2-9:2000)

Geräte für Lampen
Teil 2-9: Besondere Anforderungen an
Vorschaltgeräte für Entladungslampen
(ausgenommen Leuchtstofflampen)
(IEC 61347-2-9:2000)

This European Standard was approved by CENELEC on 2000-11-01. 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 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 34C/605/FDIS, future edition 1 to IEC 61347-2-9, 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 61347-2-9 on 2000-11-01.

This European Standard, together with EN 61347-1, supersedes EN 60922:1997.

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) 2001-08-01
- latest date by which the national standards conflicting
with the amendment 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, B, D, E, F, H, I and ZA are normative and annex J is informative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61347-2-9:2000 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A1

The text of document 34C/605/FDIS, future amendment 1 to IEC 61347-2-9:2000, 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 61347-2-9:2001 on 2003-12-01.

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) 2004-09-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2010-12-01

Endorsement notice

The text of amendment 1:2003 to the International Standard IEC 61347-2-9:2000 was approved by CENELEC as an amendment to the European Standard without any modification

Foreword to amendment A2

The text of document 34C/735/FDIS, future amendment 2 to IEC 61347-2-9:2000, 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 A2 to EN 61347-2-9:2001 on 2006-07-01.

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) 2007-04-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2009-07-01

Endorsement notice

The text of amendment 2:2006 to the International Standard IEC 61347-2-9:2000 was approved by CENELEC as an amendment to the European Standard without any modification.

CONTENTS

Page

INTRODUCTION	6
--------------------	---

Clause

1 Scope	7
2 Normative references	7
3 Definitions	7
4 General requirements	8
4.1 Capacitors and other components	8
4.2 Thermally protected ballasts	8
5 General notes on tests	8
6 Classification	9
7 Marking	9
7.1 Mandatory markings	9
7.2 Information to be provided, if applicable	9
7.3 Other information	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 Ballast heating	10
15 High-voltage impulse testing	14
16 Fault conditions	15
17 Construction	15
18 Creepage distances and clearances	15
19 Screws, current-carrying parts and connections	15
20 Resistance to heat, fire and tracking	15
21 Resistance to corrosion	15
22 No-load output voltage	15

Annex A (normative) Test to establish whether a conductive part is a live part which may cause an electric shock	16
--	----

Annex B (normative) Particular requirements for thermally protected lamp controlgear	16
--	----

Annex C (normative) Particular requirements for electronic lamp controlgear with means of protection against overheating	16
--	----

Annex D (normative) Requirements for carrying out the heating tests of thermally protected lamp controlgear	16
---	----

Annex E (normative) Use of constant S other than 4 500 in tw tests	16
--	----

Annex F (normative) Draught - proof enclosure	17
---	----

Annex G (normative) Explanation of the derivation of the values of pulse voltages	17
---	----

Annex H (normative)	17
---------------------------	----

Annex I (normative) Method for selection of varistors	18
---	----

Annex J (informative) Explanation of ballast temperatures	19
---	----

Annex K (normative) Additional requirements for built-in magnetic ballasts with double or reinforced insulation	23
Annex ZA (normative) Normative references to international publications with their corresponding European publications	24
Figure J.1 – Test circuit for ballasts for lamps with integral starting devices	21
Figure J.2 – Test hood for ballast heating test.....	22
Figure J.3 – Test corner for ballast heating	22
Table 1 – Maximum temperatures.....	12
Table 2 – Limiting temperatures of windings under abnormal operating conditions and at 110 % of rated voltage for ballasts subjected to an endurance test duration of 30 days.....	13
Table 3 – Limiting temperatures of windings under abnormal operating conditions and at 110 % of rated voltage for ballasts marked “D6” which are subjected to an endurance test duration of 60 days	13

INTRODUCTION

This first edition of IEC 61347-2-9, published in conjunction with IEC 61347-1, represents an editorial review of IEC 60922. 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 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)

1 Scope

This part of IEC 61347 specifies particular safety requirements for ballasts for discharge lamps such as high-pressure mercury vapour, low-pressure sodium vapour, high-pressure sodium vapour and metal halide lamps. The standard covers inductive-type ballasts for use on a.c. supplies up to 1 000 V at 50 Hz or 60 Hz, associated with discharge lamps, having rated wattages, dimensions and characteristics as specified in IEC 60188, IEC 60192 and IEC 60662.

This standard applies to complete ballasts and to their component parts such as reactors, transformers and capacitors. Particular requirements for thermally protected ballasts are given in annex B.

NOTE 1 For certain types of discharge lamps, an ignitor is required.

NOTE 2 Ballasts for fluorescent lamps are covered by IEC 61347-2-8.

Performance requirements are the subject of IEC 60923.

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 60188, *High-pressure mercury vapour lamps*

IEC 60192, *Low-pressure sodium vapour lamps*

IEC 60662, *High-pressure sodium vapour lamps*

IEC 60923, *Auxiliaries for lamps – Ballasts for discharge lamps (excluding tubular fluorescent lamps) – Performance requirements*

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

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

3 Definitions

For the purpose of this part of IEC 61347, the definitions given in clause 3 of IEC 61347-1 apply, together with the following: