

Lamp controlgear —

Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting

ICS 29.140.99

National foreword

This British Standard is the UK implementation of EN 61347-2-7:2006, incorporating corrigendum December 2010. It is identical with IEC 61347-2-7:2006. It supersedes BS EN 61347-2-7:2001 which is withdrawn.

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 CPL/34/3 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.

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Lamp controlgear
Part 2-7: Particular requirements for d.c. supplied electronic ballasts
for emergency lighting
(IEC 61347-2-7:2006)

Appareillages de lampes
Partie 2-7: Exigences particulières
pour les ballasts électroniques alimentés
en courant continu pour l'éclairage
de secours
(CEI 61347-2-7:2006)

Geräte für Lampen
Teil 2-7: Besondere Anforderungen
an gleichstromversorgte elektronische
Vorschaltgeräte für die Notbeleuchtung
(IEC 61347-2-7:2006)

This European Standard was approved by CENELEC on 2006-11-01. 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.

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.

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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/754/FDIS, future edition 2 of IEC 61347-2-7, 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 61347-2-7 on 2006-11-01.

This European Standard supersedes EN 61347-2-7:2001 + corrigendum July 2003.

This EN 61347-2-7:2006 provides technical updating to take account of the practical usage of this type of control gear, alignment with the safety requirements for emergency lighting luminaires (EN 60598-2-22), and advances in the field of lamp and control gear.

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

In this standard, the following print types are used:

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

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) | 2007-08-01 |
| – latest date by which the national standards conflicting
with the EN have to be withdrawn | (dow) | 2009-11-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61347-2-7:2006 was approved by CENELEC as a European Standard without any modification.

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INTRODUCTION

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 is intended for ballasts for fluorescent lamps, but it is also applicable, as far as possible, to incandescent, high pressure discharge lamps and LED's.

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 reference 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 control gear covered by this particular part of IEC 61347-2.

LAMP CONTROLGEAR –

Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting

1 Scope

This part of IEC 61347 specifies particular safety requirements for d.c. supplied electronic ballasts for maintained and non-maintained emergency lighting purposes.

It includes specific requirements for ballasts and control units for luminaires for emergency lighting as specified by IEC 60598-2-22.

DC supplied electronic ballasts for emergency lighting may or may not include batteries.

This standard also includes operational requirements for ballasts which, in the case of other d.c. supplied electronic ballasts, are regarded as performance requirements. This is because non-operational emergency lighting equipment presents a safety hazard.

NOTE Annex J of IEC 61347-2-3 applies to a.c. supplied ballasts (normal operation) that are also suitable for emergency lighting operation from ac/dc supplies.

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 60081, *Double-capped fluorescent lamps – Performance specifications*

IEC 60598-2-22:1997, *Luminaires – Part 2: Particular requirements – Luminaires for emergency lighting*

IEC 60901, *Single-capped fluorescent lamps – Performance specifications*

IEC 60921, *Ballasts for tubular fluorescent lamps – Performance requirements*

IEC 60929, *AC-supplied electronic ballasts for tubular fluorescent lamps – Performance requirements*

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

IEC 61347-2-3, *Lamp controlgear – Part 2-3: Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps*