SVENSK STANDARD SS-EN 61347-1

Fastställd	Utgåva	Sida	Ansvarig kommitté
2008-10-20	2	1 (1+69)	SEK TK 34

Belysningsmateriel – Start- och driftdon för ljuskällor – Del 1: Allmänna fordringar och säkerhetsfordringar

Lamp controlgear – Part 1: General and safety requirements

Som svensk standard gäller europastandarden EN 61347-1:2008. Den svenska standarden innehåller den officiella engelska språkversionen av EN 61347-1:2008.

Nationellt förord

Europastandarden EN 61347-1:2008

består av:

– **europastandardens ikraftsättningsdokument,** utarbetat inom CENELEC
– **IEC 61347-1, Second edition, 2007 - Lamp controlgear - Part 1: General and safety requirements**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 61347-1, utgåva 1, 2001, SS-EN 61347-1/A1, utgåva 1, 2008 och SS-EN 61347-1 C1, utgåva 1, 2003, gäller ej fr o m 2011-05-01.

ICS 29.140.99

Denna standard är fastställd av SEK Svensk Elstandard,
som också kan lämna upplysningar om **sakinnehållet** i standarden.
Postadress: SEK, Box 1284, 164 29 KISTA
Telefon: 08 - 444 14 00. *Telefax*: 08 - 444 14 30
E-post: sek@elstandard.se. *Internet*: www.elstandard.se

Standarder underlättar utvecklingen och höjer elsäkerheten

Det finns många fördelar med att ha gemensamma tekniska regler för bl a säkerhet, prestanda, dokumentation, utförande och skötsel av elprodukter, elanläggningar och metoder. Genom att utforma sådana standarder blir säkerhetskraven tydliga och utvecklingskostnaderna rimliga samtidigt som marknadens acceptans för produkten eller tjänsten ökar.

Många standarder inom elområdet beskriver tekniska lösningar och metoder som åstadkommer den elsäkerhet som föreskrivs av svenska myndigheter och av EU.

SEK är Sveriges röst i standardiseringsarbetet inom elområdet

SEK Svensk Elstandard svarar för standardiseringen inom elområdet i Sverige och samordnar svensk medverkan i internationell och europeisk standardisering. SEK är en ideell organisation med frivilligt deltagande från svenska myndigheter, företag och organisationer som vill medverka till och påverka utformningen av tekniska regler inom elektrotekniken.

SEK samordnar svenska intressenters medverkan i SEKs tekniska kommittéer och stödjer svenska experters medverkan i internationella och europeiska projekt.

Stora delar av arbetet sker internationellt

Utformningen av standarder sker i allt väsentligt i internationellt och europeiskt samarbete. SEK är svensk nationalkommitté av International Electrotechnical Commission (IEC) och Comité Européen de Normalisation Electrotechnique (CENELEC).

Standardiseringsarbetet inom SEK är organiserat i referensgrupper bestående av ett antal tekniska kommittéer som speglar hur arbetet inom IEC och CENELEC är organiserat.

Arbetet i de tekniska kommittéerna är öppet för alla svenska organisationer, företag, institutioner, myndigheter och statliga verk. Den årliga avgiften för deltagandet och intäkter från försäljning finansierar SEKs standardiseringsverksamhet och medlemsavgift till IEC och CENELEC.

Var med och påverka!

Den som deltar i SEKs tekniska kommittéarbete har möjlighet att påverka framtida standarder och får tidig tillgång till information och dokumentation om utvecklingen inom sitt teknikområde. Arbetet och kontakterna med kollegor, kunder och konkurrenter kan gynnsamt påverka enskilda företags affärsutveckling och bidrar till deltagarnas egen kompetensutveckling.

Du som vill dra nytta av dessa möjligheter är välkommen att kontakta SEKs kansli för mer information.

SEK Svensk Elstandard
Box 1284
164 29 Kista
Tel 08-444 14 00
www.elstandard.se

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61347-1

May 2008

ICS 29.140.99

Supersedes EN 61347-1:2001 + A1:2008

English version

Lamp controlgear -
Part 1: General and safety requirements
(IEC 61347-1:2007, modified)

Appareillages de lampes -
Partie 1: Exigences générales
et exigences de sécurité
(CEI 61347-1:2007, modifiée)

Geräte für Lampen -
Teil 1: Allgemeine
und Sicherheitsanforderungen
(IEC 61347-1:2007, modifiziert)

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

Ref. No. EN 61347-1:2008 E

SEK Svensk Elstandard

Foreword

The text of the International Standard IEC 61347-1:2007, prepared by SC 34C, Auxiliaries for lamps, of IEC TC 34, Lamps and related equipment, together with the common modifications prepared by the Technical Committee CENELEC TC 34Z, Luminaires and associated equipment, was submitted to the formal vote and was approved by CENELEC as EN 61347-1 on 2008-04-16.

This European Standard supersedes EN 61347-1:2001 + corrigendum July 2003 + A1:2008.

The definition clause has been extended (rated no-load output voltage, controllable ballasts, control terminals, control signal). General requirements for lamp control gear which do not have their own enclosure have been added. The informative information (for ballasts in lamp standards) is now transformed into a normative requirement (in ballast standards). The test schedule has been minimised where possible, see 5.7 and Annex J. For printed circuit boards, the (non-) inflammability requirements have been specified. An annex on conformity testing during manufacture has been added.

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)	2009-05-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2011-05-01

This Part 1 is to be used in conjunction with the appropriate Part 2, which contains clauses to supplement or modify the corresponding clauses in Part 1, to provide the relevant requirements for each type of product.

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.

Clauses, subclauses, notes, tables and figures which are additional to those in IEC 61347-1:2007 are prefixed „Z“.

Annex ZA has been added by CENELEC.

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 60081	- [1)]	Double-capped fluorescent lamps - Performance specifications	EN 60081	1998 [2)]
IEC 60317-0-1 A1 A2	1997 1999 2005	Specifications for particular types of winding wires - Part 0-1: General requirements - Enamelled round copper wire	EN 60317-0-1 A1 A2	1998 2000 2005
IEC 60417	Data base	Graphical symbols for use on equipment	-	-
IEC 60529 A1	1989 1999	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May A1	1991 1993 2000
IEC 60598-1 (mod)	2003	Luminaires - Part 1: General requirements and tests	EN 60598-1 + corr. August	2004 2007
IEC 60664-3	- [1)]	Insulation coordination for equipment within low-voltage systems - Part 3: Use of coating, potting or moulding for protection against pollution	EN 60664-3	2003 [2)]
IEC 60691	2002	Thermal-links - Requirements and application guide	EN 60691	2003
IEC 60695-2-10	- [1)]	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN 60695-2-10	2001 [2)]
IEC 60695-11-5	- [1)]	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2005 [2)]
IEC 60730-2-3 (mod)	- [1)]	Automatic electrical controls for household and similar use - Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps	EN 60730-2-3	2007 [2)]
IEC 60901	- [1)]	Single-capped fluorescent lamps - Performance specifications	EN 60901	1996 [2)]
IEC 60921	2004	Ballasts for tubular fluorescent lamps - Performance requirements	EN 60921	2004

[1)] Undated reference.

[2)] Valid edition at date of issue.

Publication	Year	Title	EN/HD	Year
IEC 60923	2005	Auxiliaries for lamps - Ballasts for discharge lamps (excluding tubular fluorescent lamps) - Performance requirements	EN 60923	2005
IEC 60929	2006	AC-supplied electronic ballasts for tubular fluorescent lamps - Performance requirements	EN 60929 + corr. December	2006 2006
IEC 60990	1999	Methods of measurement of touch current and protective conductor current	EN 60990	1999
IEC 61189-2	- [1)]	Test methods for electrical materials, interconnection structures and assemblies - Part 2: Test methods for materials for interconnection structures	EN 61189-2	2006 [2)]
IEC 61249-2	Series	Materials for printed boards and other interconnecting structures - Part 2: Reinforced base materials, clad and unclad	EN 61249-2	Series
IEC 61347-2	Series	Lamp controlgear - Part 2: Particular requirements	EN 61347-2	Series
IEC 61347-2-8	- [1)]	Lamp controlgear - Part 2-8: Particular requirements for ballasts for fluorescent lamps	EN 61347-2-8 + corr. July	2001 [2)] 2003
IEC 61347-2-9 A1 A2	2000 2003 2006	Lamp controlgear - Part 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)	EN 61347-2-9 + corr. July A1 A2	2001 2003 2003 2006
ISO 4046-4	2002	Paper, board, pulps and related terms - Vocabulary - Part 4: Paper and board grades and converted products	-	-

CONTENTS

LAMP CONTROLGEAR –

Part 1: General and safety requirements

1 Scope

This part of IEC 61347 specifies general and safety requirements for lamp controlgear for use on d.c. supplies up to 250 V and/or a.c. supplies up to 1 000 V at 50 Hz or 60 Hz.

This standard also covers lamp controlgear for lamps which are not yet standardized.

Tests dealt with in this standard are type tests. Requirements for testing individual lamp controlgear during production are not included.

Requirements for semi-luminaires are given in IEC 60598-1 (see definition 1.2.60).

In addition to the requirements given in this Part 1 of IEC 61347, Annex B sets out general and safety requirements applicable to thermally protected lamp controlgear.

Annex C sets out additional general and safety requirements as they apply to electronic lamp controlgear with means of protection against overheating.

Additional requirements for built-in ballasts with double or reinforced insulation are given in Annex I.

2 Normative references

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.

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

IEC 60317-0-1:1997, *Specifications for particular types of winding wires – Part 0: General requirements – Section 1: Enamelled round copper wire*[1)]
Amendment 1 (1999)
Amendment 2 (2005)

IEC 60417, *Graphical symbols for use on equipment*

IEC 60529:1989 , *Degrees of protection provided by enclosures (IP Code)*[2)]
Amendment 1 (1999)

---

1) There exists a consolidated edition 2.2 (2005) including the base publication and its Amendments 1 and 2.

2) There exists a consolidated edition 2.1 (2001) including the base publication and its Amendment 1.