



SLOVENSKI STANDARD

SIST EN 60927:2008

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SIST EN 60927:2000

SIST EN 60927:2000/A1:2000

SIST EN 60927:2000/A2:2006

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Auxiliaries for lamps - Starting devices (other than glow starters) - Performance requirements (IEC 60927:2007)

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Geräte für Lampen - Startgeräte (andere als Glimmstarter) - Anforderungen an die Arbeitsweise (IEC 60927:2007)

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Appareils auxiliaires pour lampes - Dispositifs d'amorçage (autres que starters a leur) - Exigences de performance (IEC 60927:2007)

Ta slovenski standard je istoveten z: EN 60927:2007

ICS:

29.140.30 Fluorescent lamps.
Discharge lamps

SIST EN 60927:2008

en,fr,de

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EUROPEAN STANDARD

EN 60927

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2007

ICS 29.140.30

Supersedes EN 60927:1996 + A1:1999 + A2:2004

English version

**Auxiliaries for lamps -
Starting devices (other than glow starters) -
Performance requirements
(IEC 60927:2007)**

Appareils auxiliaires pour lampes -
Dispositifs d'amorçage
(autres que starters à lueur) -
Exigences de performance
(CEI 60927:2007)

Geräte für Lampen -
Startgeräte (andere als Glimmstarter) -
Anforderungen an die Arbeitsweise
(IEC 60927:2007)

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This European Standard was approved by CENELEC on 2007-09-11. 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.

<https://standards.iteh.ai/catalog/standards/sist/68edb506-7c02-4150-8f27-83517e60927/2008>

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, 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

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

Foreword

The text of document 34C/783/FDIS, future edition 3 of IEC 60927, 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 60927 on 2007-09-11.

This European Standard supersedes EN 60927:1996 + A1:1999 + A2:2004.

Subclause 4.5 has been inserted in order to install an obligatory link to the relevant lamp standard.

This standard is to be used in conjunction with EN 61347-1:200X^{*)} and EN 61347-2-1:2000 + A1:2006.

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) 2008-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60927:2007 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60155 NOTE Harmonized as EN 60155:1996 (not modified).
<https://standards.iteh.ai/catalog/standards/sist/68edb506-7c02-4150-8f27-407b448a69c3/sist-en-60927-2008>

^{*)} At draft stage (IEC 61347-1:2007, modified).

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 60081	– ¹⁾	Double-capped fluorescent lamps - Performance specifications	EN 60081	1998 ²⁾
IEC 60192	– ¹⁾	Low pressure sodium vapour lamps - Performance specifications	EN 60192	2001 ²⁾
IEC 60598-1 (mod) A1	2003 2006	Luminaires - Part 1: General requirements and tests	EN 60598-1 A1 + corr. August	2004 2006 2007
IEC 60662 (mod)	– ¹⁾	High pressure sodium vapour lamps	EN 60662	1993 ²⁾
IEC 60901	– ¹⁾	Single-capped fluorescent lamps - Performance specifications	EN 60901	1996 ²⁾
IEC 60921	– ¹⁾	Ballasts for tubular fluorescent lamps - Performance requirements	EN 60921	2004 ²⁾
IEC 60923	– ¹⁾	Auxiliaries for lamps - Ballasts for discharge lamps (excluding tubular fluorescent lamps) - Performance requirements	EN 60923	2005 ²⁾
IEC 61167	– ¹⁾	Metal halide lamps	EN 61167	1994 ²⁾
IEC 61347-1 (mod)	– ¹⁾	Lamp controlgear - Part 1: General and safety requirements	EN 61347-1	200X ³⁾
IEC 61347-2-1	– ¹⁾	Lamp controlgear - Part 2-1: Particular requirements for starting devices (other than glow starters)	EN 61347-2-1 + corr. July	2001 ²⁾ 2003
IEC 61347-2-9	– ¹⁾	Lamp controlgear - Part 2-9: Particular requirements for ballasts for discharge lamps (excluding fluorescent lamps)	EN 61347-2-9 + corr. July	2001 ²⁾ 2003
IEC 61547	– ¹⁾	Equipment for general lighting purposes - EMC immunity requirements	EN 61547	1995 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ At draft stage.

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INTERNATIONAL
STANDARD
NORME
INTERNATIONALE

IEC
CEI

60927

Third edition
Troisième édition
2007-06

**Auxiliaries for lamps –
Starting devices (other than glow starters) –
Performance requirements**

iTeh STANDARD PREVIEW

(standard iTeh.org)
**Appareils auxiliaires pour lampes –
Dispositifs d'amorçage (autres
que starters à lueur) –
Exigences de performance**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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*For price, see current catalogue
Pour prix, voir catalogue en vigueur*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**AUXILIARIES FOR LAMPS –
STARTING DEVICES (OTHER THAN GLOW STARTERS) –
PERFORMANCE REQUIREMENTS**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International standard IEC 60927 has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

This third edition of IEC 60927 replaces the second edition (1996) and its Amendments 1 (1999) and 2 (2004). Subclause 4.5 has been inserted in order to install an obligatory link to the relevant lamp standard.

This standard is to be used in conjunction with IEC 61347-1 and IEC 61347-2-1. It was established on the basis of the second (2007) edition of IEC 61347-1 and on the basis of the first (2000) edition and Amendment 1 (2005) of IEC 61347-2-1.

The text of this standard is based on the following documents:

FDIS	Report on voting
34C/783/FDIS	34C/797/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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AUXILIARIES FOR LAMPS – STARTING DEVICES (OTHER THAN GLOW STARTERS) – PERFORMANCE REQUIREMENTS

1 Scope

This International Standard specifies performance requirements for starting devices (starters and ignitors) for tubular 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 5 kV.

This standard is used in conjunction with IEC 61347-1 and IEC 61347-2-1.

NOTE 1 All glow starters for fluorescent and other discharge lamps including thermal relay/cut-outs will be included in IEC 60155.

NOTE 2 There are regional standards regarding the regulation of EMC requirements for end-products like luminaires and independent control gear. In a luminaire, the control gear is dominant in this respect. Control gear, together with other components, should comply with these standards.

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*

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IEC 60192, *Low-pressure sodium vapour lamps – Performance specifications*

IEC 60598-1:2003, *Luminaires – Part 1: General requirements and tests*¹⁾
Amendment 1 (2006)

IEC 60662, *High-pressure sodium vapour lamps*

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

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

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

IEC 61167, *Metal halide lamps*

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

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

¹⁾ A consolidated edition 6.1 exists, including IEC 60598-1 (2003) and its Amendment 1 (2006).