



**SLOVENSKI STANDARD  
SIST EN 60926:1995**

**01-december-1995**

**Starting devices (other than glow starters) - General and safety requirements (IEC 926:1990, modified)**

Starting devices (other than glow starters) - General and safety requirements

Startgeräte (andere als Glimmstarter) - Allgemeine und Sicherheitsanforderungen

Dispositifs d'amorçage (autres que starters à lueur) - Prescriptions générales et prescriptions de sécurité  
**(standards.iteh.ai)**

Ta slovenski standard je istoveten z: <sup>SIST EN 60926:1995</sup> **EN 60926:1990/A2:1994**

<https://standards.iteh.ai/catalog/standards/sist/5851c4a8-7074-4836-b090-b39c967a06dc/sist-en-60926-1995>

**ICS:**

29.140.30 Fluorescenčne sijalke. Sijalke Fluorescent lamps.  
Discharge lamps

**SIST EN 60926:1995**

**en**

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EUROPEAN STANDARD

EN 60926

NORME EUROPEENNE

EUROPÄISCHE NORM

August 1990

UDC 621.327.032.434:614.8:620.1

Descriptors: Lighting equipment, discharge lamp, tubular lamp,  
fluorescent lamp, starting device, safety requirement

## ENGLISH VERSION

STARTING DEVICES (OTHER THAN GLOW STARTERS)  
GENERAL AND SAFETY REQUIREMENTS  
(IEC 926:1990 modified)

Dispositifs d'amorçage  
(autres que starters à lueur)  
Prescriptions générales et  
prescriptions de sécurité  
(CEI 926:1990 modifiée)

Startgeräte (andere als  
Glimmstarter)  
Allgemeine und Sicherheits-  
anforderungen  
(IEC 926:1990 modifiziert)

This European Standard was approved by CENELEC on 1990-03-05.  
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.

SIST EN 60926:1995

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,  
Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg,  
Netherlands, Norway, Portugal, 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 Bréderode 2, B-1000 Brussels

FOREWORD

The CENELEC Questionnaire Procedure, performed for finding out whether or not IEC 926:1990 could be accepted without textual changes, has shown that some CENELEC common modifications were necessary for the acceptance as European Standard.

The reference document, together with the common modifications prepared by the CENELEC technical committee TC 34Z, was submitted to the CENELEC members for formal vote.

This text was approved by CENELEC as EN 60926:1990 on 5 March 1990.

The following dates were fixed:

- latest date of announcement  
of the EN at national level (doa) 1990-09-01
- latest date of publication of  
an identical national standard (dop) 1991-03-01
- latest date of withdrawal of  
conflicting national standards (dow) 1991-03-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex ZA is normative.

In the consolidated text of the EN, the common modifications are indicated by a vertical line in the left margin.

<https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-001111111111-1995>

For products which have complied with the relevant national standard before 1991-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1996-03-01.

ENDORSEMENT NOTICE

The text of the International Standard 926:1990 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

- 4. General notes on tests
  - 4.1 Delete the note.
  - 4.6 Replace the second paragraph by:

If one specimen fails in one of the tests specified, then starting devices of that type shall be deemed to have failed to comply with this standard, unless that starting device can be shown to be not representative of production or design, in which case a further set of starting devices shall be submitted to that test and to the preceding tests which may have influenced the result of that test. If there is no failure in this re-test then starting devices of that type shall be deemed to comply with this standard.

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ANNEX ZA (normative)**OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD  
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS**

When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

<u>IEC- Publication</u>	<u>Date</u>	<u>Title</u>	<u>EN/HD</u>	<u>Date</u>
81	1984	Tubular fluorescent lamps for general lighting service	EN 60081	1989
155 (mod)	1983	Starters for tubular fluorescent lamps	EN 60155	1989
188 (mod)	1974	High pressure mercury vapour lamps	EN 60188	1988
192	1973	Low pressure sodium vapour lamps	HD 219 S1*	1988
249		Base materials for printed circuits	-	-
249-1	1982	Part 1: Test methods	HD 313.1 S4	1987
255-8	1978	Electrical relays Part 8: Thermal electrical relays	-	-
317-1	1988	Specifications for particular types of winding wires Part 1: Polyvinyl acetal enamelled round copper winding wire, class 105	HD 555.1 S1	1990
410	1973	Sampling plans and procedures for inspection by attributes	-	-
417C	1977	Graphical symbols for use on equipment Index, survey and compilation of the single sheets - Third supplement	HD 243 S3	1978
529	1976	Classification of degrees of protection provided by enclosures	HD 365 S3	1985
598-1 (mod)	1986	Luminaires Part 1: General requirements and tests	EN 60598-1	1989
662 (mod)	1980	High pressure sodium vapour lamps	EN 60662	1989
* superseded by:				
192 and its Amendments 1 and 2	1973	Low pressure sodium vapour lamps	HD 219 S3	1990

<u>IEC-</u> <u>Publication</u>	<u>Date</u>	<u>Title</u>	<u>EN/HD</u>	<u>Date</u>
695-2-1	1980	Fire hazard testing Part 2: Test methods Glow-wire test and guidance	HD 444.2.1 S1	1983
695-2-2	1980	Fire hazard testing Part 2: Test methods Needle-flame test	HD 444.2.2 S1	1983
817	1984	Spring-operated impact-test apparatus and its calibration	HD 495 S1	1987
920	1990	Ballasts for tubular fluorescent lamps - General and safety requirements	prEN 60920	-
922	1989	Ballasts for discharge lamps (excluding tubular fluorescent lamps) - General and safety requirements	EN 60922	-
927	1988	Starting devices (other than glow starters) - Performance requirements	EN 60927	1990

ISO-  
Publication

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ISO 4046 1978 Paper board, pulp and related terms -  
Vocabulary [SIST EN 60926:1995](https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-b39c967a06dc/sist-en-60926-1995)  
[https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-  
b39c967a06dc/sist-en-60926-1995](https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-b39c967a06dc/sist-en-60926-1995)

EUROPEAN STANDARD

EN 60926/A2

NORME EUROPEENNE

EUROPÄISCHE NORM

June 1994

UDC 621.327.032.434:614.8:620.1

Descriptors: Lighting equipment, discharge lamp, tubular lamp,  
fluorescent lamp, starting device, safety requirement

Amendment A2 to the English version of EN 60926

Starting devices (other than glow starters)  
General and safety requirements  
(IEC 926:1990/A1:1992 + A2:1993)

Dispositifs d'amorçage (autres  
que starters à lueur)  
Prescriptions générales et  
prescriptions de sécurité  
(CEI 926:1990/A1:1992 + A2:1993)

Startgeräte (andere als  
Glimmstarter) - Allgemeine und  
Sicherheitsanforderungen  
(IEC 926:1990/A1:1992 + A2:1993)

ITeH STANDARD PREVIEW

This amendment A2 modifies the European Standard EN 60926:1990. It was approved by CENELEC on 1994-03-08. 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.

<https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090->

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 amendment 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

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Ref. No. EN 60926:1990/A2:1994 E

FOREWORD

At the request of the CENELEC Technical Committee TC.34Z, Luminaires and associated equipment, amendments 1:1992 and 2:1993 to the International Standard IEC 926:1990 were submitted to the CENELEC Unique Acceptance Procedure (UAP) in May 1993 for acceptance as a European Standard.

The text of the International Standard was approved by CENELEC as amendment A2 to EN 60926 on 8 March 1994.

NOTE: There is no Amendment numbered 1 to EN 60926:1990.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1995-03-01
- latest date of withdrawal of conflicting national standards (dow) 1995-03-01

Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

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ENDORSEMENT NOTICE

[SIST EN 60926:1995](https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-b39c967a06dc/sist-en-60926-1995)

[https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-](https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-b39c967a06dc/sist-en-60926-1995)

[b39c967a06dc/sist-en-60926-1995](https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-b39c967a06dc/sist-en-60926-1995)  
The text of the amendments 1:1992 and 2:1993 to the International Standard IEC 926:1990 was approved by CENELEC as an amendment to the European Standard without any modification.

NOTE: The replacement text for subclause 4.6 in Amendment 1 to IEC 926 supersedes the common modification to subclause 4.6 given in EN 60926:1990.

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Replace Annex ZA of EN 60926:1990 by the following:

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD  
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

NOTE : When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication	Date	Title	EN/HD	Date
-----	----	-----	-----	----
81	1984	Tubular fluorescent lamps for general lighting service	EN 60081*	1989
112	1979	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	HD 214 S2	1980
155 (mod)	1983	Starters for tubular fluorescent lamps	EN 60155*	1989
188 (mod)	1974	High-pressure mercury vapour lamps	EN 60188*	1988
192	1973	Low pressure sodium vapour lamps	EN 60192*	1993
249-1	1982	Base materials for printed circuits Part 1: Test methods	EN 60249-1*	1993
255-8	1978	Electrical relays - Part 8: Thermal electrical relays	-	-
317-1	1988*	Specifications for particular types of winding wires - Part 1: Polyvinyl acetal enamelled round copper winding wire, class 105	-	-
410	1973	Sampling plans and procedures for inspection by attributes	-	-

- \* EN 60081 includes A1:1987 + A2:1988 to IEC 81  
 EN 60155:1989 includes A1:1987 to IEC 155, modified  
 EN 60188 includes A1:1976 + A2:1979 + A3:1984 to IEC 188, modified  
 EN 60192 includes A1:1979 + A2:1988 + A3:1992 to IEC 192  
 EN 60249-1 includes A1:1984 + A2:1989 + A3:1991 to IEC 249-1  
 EN 317-1:1990 is harmonized as HD 555.1 S2:1992

IEC Publication	Date	Title	EN/HD	Date
417C	1977	Graphical symbols for use on equipment Index, survey and compilation of the single sheets - Third supplement	HD 243 S10*	1993
529	1976	Classification of degrees of protection provided by enclosures	HD 365 S3*	1985
598-1 (mod)	1986	Luminaires - Part 1: General requirements and tests	EN 60598-1*	1989
662 (mod)	1980	High-pressure sodium vapour lamps	EN 60662*	1993
695-2-1	1980	Fire hazard testing - Part 2: Test methods - Glow-wire test and guidance	HD 444.2.1 S1	1983
695-2-2	1980	Needle-flame test	HD 444.2.2 S1*	1983
817	1984	Spring-operated impact-test apparatus and its calibration	HD 495 S1	1987
920	1990	Ballasts for tubular fluorescent lamps General and safety requirements	EN 60920	1991
922	1989	Ballasts for discharge lamps (excluding tubular fluorescent lamps) - General and safety requirements	EN 60922	1991
927	1988	Starting devices (other than glow starters) Performance requirements	EN 60927	1990
990	1990	Methods of measurement of touch-current and protective conductor current	-	-

## Other publication:

ISO 4046:1978 - Paper board, pulp and related terms - Vocabulary

- \* HD 243 S10 is based on IEC 417:1973 and its supplements A:1974 to K:1991  
 HD 365 S3 is superseded by EN 60529:1991 + corrigendum May 1993, which is  
 based on IEC 529:1989  
 EN 60598-1 is superseded by EN 60598-1:1993, which is based on IEC 598-1:1992,  
 modified  
 EN 60662 includes A1:1986 + A2:1987 + A3:1990 to IEC 662, modified  
 HD 444.2.2 S1 is superseded by EN 60695-2-2:1994 + corrigendum February 1994,  
 which is based on IEC 695-2-2:1991



14.12.1994

Corrigendum to EN 60926:1990/A2:1994

English version

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Page 2, Foreword

Add after the implementation dates:

For products which have complied with EN 60926:1990 before 1995-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-03-01.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

August 1994

[SIST EN 60926:1995](https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-b39c967a06dc/sist-en-60926-1995)

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NORME  
INTERNATIONALE 33  
INTERNATIONAL  
STANDARD

CEI  
IEC  
926

Première édition  
First edition  
1990-02

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Dispositifs d'amorçage (autres que  
starters à leur)

Prescriptions générales  
et prescriptions de sécurité

**iTeh STANDARD PREVIEW**

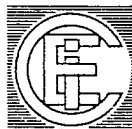
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Starting devices (other than glow  
starters)

SIST EN 60926:1995

[https://standards.iteh.ai/catalog/standards/sist/589f64a8-7074-4856-b090-](https://standards.iteh.ai/catalog/standards/sist/589f64a8-7074-4856-b090-639c967a06dc/sist-en-60926-1995)

General and safety requirements



Numéro de référence  
Reference number  
CEI/IEC 926: 1990

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## STARTING DEVICES (OTHER THAN GLOW STARTERS)

## General and safety requirements

## FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.
- 4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

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## PREFACE

[https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-](https://standards.iteh.ai/catalog/standards/sist/589fc4a8-7074-4856-b090-b39c967a06dc/sist-en-60926-1995)

This standard has been prepared by Sub-Committee 34C: Auxiliaries for discharge lamps, of IEC Technical Committee No. 34: Lamps and related equipment.

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

Six Months' Rule	Report on Voting
34C(C0)152	34C(C0)163

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

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.