SLOVENSKI STANDARD
SIST EN 60928:1995/A1:2000

01-december-2000

Dopolnilo A1:2000 k SIST EN 60928:1995

Auxiliaries for lamps - A.C. supplied electronic ballasts for tubular fluorescent lamps - General and safety requirements

Geräte für Lampen - Wechselstromversorgte elektronische Vorschaltgeräte für röhrenförmige Leuchtstofflampen - Allgemeine und Sicherheitsanforderungen

Appareils auxiliaires pour lampes - Ballasts électroniques alimentés en courant alternatif pour lampes tubulaires à fluorescence - Prescriptions générales et prescriptions de sécurité

Ta slovenski standard je istoveten z: **EN 60928:1995/A1:1999**

ICS:

29.140.30	Fluorescenčne sijalke. Sijalke	Fluorescent lamps. Discharge lamps

SIST EN 60928:1995/A1:2000 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60928/A1

August 1999

ICS 29.140.30

English version

Auxiliaries for lamps - A.C. supplied electronic ballasts for tubular fluorescent lamps - General and safety requirements (IEC 60928:1995/A1:1999)

Appareils auxiliaires pour lampes
Ballasts électroniques alimentés en courant alternatif pour lampes tubulaires à fluorescence - Prescriptions générales et prescriptions de sécurité
(CEI 60928:1995/A1:1999)

Geräte für Lampen
Wechselstromversorgte elektronische Vorschaltgeräte für röhrenförmige Leuchtstofflampen - Allgemeine und Sicherheitsanforderungen
(IEC 60928:1995/A1:1999)

This amendment A1 modifies the European Standard EN 60928:1995; it was approved by CENELEC on 1999-08-01. 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 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.

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CENELEC

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

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Ref. No. EN 60928:1995/A1:1999 E

Foreword

The text of document 34C/450/FDIS, future amendment 1 to IEC 60928, 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 60928:1995 on 1999-08-01.

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) 2000-05-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2006-08-01

Endorsement notice

The text of amendment 1:1999 to the International Standard IEC 60928:1995 was approved by CENELEC as an amendment to the European Standard without any modification.

NORME INTERNATIONALE

INTERNATIONAL STANDARD

CEI
IEC
60928

1995

AMENDEMENT 1
AMENDMENT 1
1999-06

Amendement 1

Appareils auxiliaires pour lampes – Ballasts électroniques alimentés en courant alternatif pour lampes tubulaires à fluorescence – Prescriptions générales de sécurité

Amendment 1

Auxiliaries for lamps – AC supplied electronic ballasts for tubular fluorescent lamps – General and safety requirements

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FOREWORD

This amendment has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34C/450/FDIS	34C/458/RVD

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

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Page 3

CONTENTS

Replace the title of clause 12 by the following new title:

Page 13

3 Definitions

Add, on page 15, the following new definition 3.4 and re-number existing definitions 3.4 to 3.11 as 3.5 to 3.12, respectively:

3.4
maximum allowed peak voltage
highest permitted peak voltage across any insulation under open-circuit condition and any normal and abnormal operating conditions. The maximum peak voltage is related to the declared r.m.s. working voltage; see table 3

Add, on page 17, the following new definition 3.13:

3.13
cathode dummy resistor:
cathode substitution resistor as specified on the relevant lamp data sheet of IEC 60081 or IEC 60901 or as declared by the relevant lamp manufacturer or by the responsible vendor

Page 21

7.2 Information to be provided, if applicable

Add, at the end of this subclause, the following new point d):

d) A declaration of the maximum working voltage (r.m.s.) according to 12.2 between
   - output terminals;
   - any output terminal and earth, if applicable.

Marking for each of these two values shall be in steps of 10 V when the working voltage is equal to or less than 500 V, and in steps of 50 V when the working voltage is higher than 500 V.

Marking shall be U-OUT = ...V...

Page 27

12 Protection against electric shock

Replace the title and text of this clause by the following:

12 Protection of associated components

12.1 Under conditions of normal operation, verified with dummy cathode resistors inserted, and conditions of abnormal operation, as specified in clause 15, the voltage at the output terminals shall at no time exceed the maximum permitted peak value specified in table 3.

Table 3 – Relation between r.m.s. working voltage and maximum peak voltage

Voltage at output terminals	
RMS working voltage V	**Maximum permitted peak voltage** V
250	2 200
500	2 900
750	3 100
1 000	3 200
NOTE – Linear interpolation between the given voltage steps is allowed.	

12.2 Under normal operating conditions and abnormal operating conditions as specified in clause 15, except for the rectifying effect, and from 5 s after the switch on or beginning of the starting process, the voltage at the output terminals shall not exceed the maximum working voltage for which the ballast is declared.