

**SLOVENSKI STANDARD**  
**SIST EN 61000-3-2:1997/A2:1999**  
**01-junij-1999**

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**Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to smaller than 16 A per phase) - Amendment A2 (IEC 61000-3-2:1995/A2:1998)**

Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase) - Amendment A2 (IEC 61000-3-2:1995/A2:1998)

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Elektromagnetische Verträglichkeit (EMV) -- Teil 3-2: Grenzwerte - Grenzwerte für Oberschwingungsströme (Geräte-Eingangsstrom bis einschließlich 16 A je Leiter)

**SIST EN 61000-3-2:1997/A2:1999**  
**Compatibilité électromagnétique (CEM) -- Partie 3-2: Limites - Limites pour les émissions de courant harmonique (courant appelé par les appareils inférieur ou égal à 16 A par phase)**

**Ta slovenski standard je istoveten z: EN 61000-3-2:1995/A2:1998**

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**ICS:**

33.100.10      Emisija      Emission

**SIST EN 61000-3-2:1997/A2:1999      en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN 61000-3-2/A2

April 1998

ICS 33.100

Descriptors: Electric power supply, electric power networks, low voltage, network disturbances, electric equipment, electronic equipment, harmonics, limits, type tests, electromagnetic compatibility

English version

**Electromagnetic compatibility (EMC)**  
**Part 3-2: Limits**  
**Limits for harmonic current emissions**  
**(equipment input current up to and including 16 A per phase)**  
**(IEC 61000-3-2:1995/A2:1998)**

Compatibilité électromagnétique (CEM)

Partie 3-2: Limites

Limites pour les émissions de courant harmonique (courant appelé par les appareils inférieur ou égal à 16 A par phase)

(CEI 61000-3-2:1995/A2:1998)

Elektromagnetische  
Verträglichkeit (EMV)

Teil 3-2: Grenzwerte

Grenzwerte für Oberschwingungsströme  
(Geräte-Eingangstrom bis einschließlich  
16 A je Leiter)

(IEC 61000-3-2:1995/A2:1998)

This amendment A2 modifies the European Standard EN 61000-3-2:1995; it was approved by CENELEC on 1998-04-01. 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

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

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Ref. No. EN 61000-3-2:1995/A2:1998 E

### Foreword

The text of document 77A/217/FDIS, future amendment 2 to IEC 61000-3-2:1995, prepared by SC 77A, Low-frequency phenomena, of IEC TC 77, Electromagnetic compatibility, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 61000-3-2:1995 on 1998-04-01.

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) 1999-01-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2001-01-01

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### Endorsement notice

The text of amendment 2:1998 to the International Standard IEC 61000-3-2:1995 was approved by CENELEC as an amendment to the European Standard without any modification.

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**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC**

**61000-3-2**

1995

AMENDEMENT 2  
AMENDMENT 2

1998-02

Amendement 2

**Compatibilité électromagnétique (CEM) –**

**Partie 3-2:**

**Limites – Limites pour les émissions de courant harmonique (courant appelé par les appareils  $\leq 16$  A par phase)**

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**Amendment 2**

**Electromagnetic compatibility (EMC) –**

**Part 3-2:**

**Limits – Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase)**

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## FOREWORD

This amendment has been prepared by subcommittee 77A: Low frequency phenomena, of IEC technical committee 77: Electromagnetic compatibility.

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

FDIS	Report on voting
77A/217/FDIS	77A/228/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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*Replace the existing subclause 7.3.1 by the following new subclause:*

### 7.3.1 Lighting equipment

#### a) Active input power >25 W

For lighting equipment having an active input power >25 W, the harmonic currents shall not exceed the relative limits given in table 2.

#### b) Active input power ≤25 W

Lighting equipment having an active input power ≤25 W shall comply with one of the following two sets of requirements:

- 1) the harmonic currents shall not exceed the power-related limits of table 3, column 2;

NOTE – The lower limit of 75 W or 50 W for the application of Class D (see 7.4) is not valid in this case.

- 2) the third harmonic current, expressed as a percentage of the fundamental current, shall not exceed 86 % and the fifth shall not exceed 61 %; moreover, the waveform of the input current shall be such that it begins to flow before or at 60°, has its last peak (if there are several peaks per half period) before or at 65° and does not stop flowing before 90°, where the zero crossing of the fundamental supply voltage is assumed to be at 0°.