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**Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current  $\leq 75$  A and subject to conditional connection**

Electromagnetic compatibility (EMC) -- Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current  $\leq 75$  A and subject to conditional connection

**iTeh STANDARD PREVIEW**  
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Elektromagnetische Verträglichkeit (EMV) -- Teil 3-11: Grenzwerte - Begrenzung von Spannungsänderungen, Spannungsschwankungen und Flicker in öffentlichen Niederspannungs-Versorgungsnetzen - Geräte und Einrichtungen mit einem Bemessungsstrom  $\leq 75$  A, die einer Sonderanschlußbedingung unterliegen

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Compatibilité électromagnétique (CEM) -- Partie 3-11: Limites - Limitation des variations de tension, des fluctuations de tension et du papillotement dans les réseaux publics d'alimentation basse tension - Equipements ayant un courant appelé  $\leq 75$  A et soumis à un raccordement conditionnel

**Ta slovenski standard je istoveten z: EN 61000-3-11:2000**

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**ICS:**

33.100.10

Emisija

Emission

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EUROPEAN STANDARD

EN 61000-3-11

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2000

ICS 33.100.10

English version

**Electromagnetic compatibility (EMC)****Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current  $\leq 75$  A and subject to conditional connection (IEC 61000-3-11:2000)**

Compatibilité électromagnétique (CEM)  
Partie 3-11: Limites -  
Limitation des variations de tension,  
des fluctuations de tension et du  
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d'alimentation basse tension -  
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conditionnel  
(CEI 61000-3-11:2000)

Elektromagnetische Verträglichkeit (EMV)  
Teil 3-11: Grenzwerte -  
Begrenzung von Spannungsänderungen,  
Spannungsschwankungen und Flicker  
in öffentlichen Niederspannungs-  
Versorgungsnetzen -  
Geräte und Einrichtungen mit einem  
Bemessungsstrom  $\leq 75$  A, die einer  
Sonderanschlußbedingung unterliegen  
(IEC 61000-3-11:2000)

This European Standard was approved by CENELEC on 2000-11-01. 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.

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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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**

## Foreword

The text of document 77A/309/FDIS, future edition 1 of IEC 61000-3-11, 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 EN 61000-3-11 on 2000-11-01.

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) 2001-08-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2003-11-01

Annexes designated "normative" are part of the body of the standard.  
Annexes designated "informative" are given for information only.  
In this standard, annex ZA is normative and annexes A and B are informative.  
Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61000-3-11:2000 was approved by CENELEC as a European Standard without any modification.

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d7b0bd0709aa/sist-en-61000-3-11-2001](https://standards.iteh.ai/catalog/standards/sist/51218fc9-3bad-4423-86f4-d7b0bd0709aa/sist-en-61000-3-11-2001)

**Annex ZA**  
(normative)**Normative references to international publications  
with their corresponding 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 (including amendments).

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 60050-161	1990	International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility	-	-
IEC 60725	1981	Considerations on reference impedances for use in determining the disturbance characteristics of household appliances and similar electrical equipment	-	-
IEC 61000-3-3	1994	Electromagnetic compatibility (EMC) Part 3-3: Limits - Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to 16 A	EN 61000-3-3 + corr. July	1995 1997

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# INTERNATIONAL STANDARD

**IEC**  
**61000-3-11**

First edition  
2000-08

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## Electromagnetic compatibility (EMC) –

### Part 3-11:

**Limits – Limitation of voltage changes,  
voltage fluctuations and flicker in public**

**low-voltage supply systems –**

**Equipment with rated current  $\leq 75$  A and  
subject to conditional connection**

SIST EN 61000-3-11:2001

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*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*



Reference number  
IEC 61000-3-11:2000(E)

## Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

## Consolidated editions

The IEC is now publishing consolidated versions of its publications. For example, edition numbers 1.0, 1.1 and 1.2 refer, respectively, to the base publication, the base publication incorporating amendment 1 and the base publication incorporating amendments 1 and 2.

## Further information on IEC publications

The technical content of IEC publications is kept under constant review by the IEC, thus ensuring that the content reflects current technology. Information relating to this publication, including its validity, is available in the IEC Catalogue of publications (see below) in addition to new editions, amendments and corrigenda. Information on the subjects under consideration and work in progress undertaken by the technical committee which has prepared this publication, as well as the list of publications issued, is also available from the following:

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTROMAGNETIC COMPATIBILITY (EMC) –**

**Part 3-11: Limits –  
Limitation of voltage changes, voltage fluctuations and flicker  
in public low-voltage supply systems – Equipment with rated current  
≤75 A and subject to conditional connection**

## FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardisation in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Standardization Organization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61000-3-11 has been prepared by sub-committee 77A: Low-frequency phenomena, of IEC technical committee 77: Electromagnetic compatibility.

This first edition of IEC 61000-3-11 is based on the contents of IEC Technical Report 61000-3-5 which was published in 1994 and is still relevant to equipment with a rated input current >75 A.

This standard has the status of a family product standard.

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

FDIS	Report on voting
77A/309/FDIS	77A/318/RVD

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