

SLOVENSKI STANDARD
SIST EN 61000-3-3:1997**01-marec-1997****Nadomešča:****SIST EN 60555-3:1995****SIST EN 60555-3:1995/A1:1995**

Electromagnetic compatibility (EMC) - Part 3: Limits - Section 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current < 16 A (IEC 1000-3-3:1994)

Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection

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Elektromagnetische Verträglichkeit (EMV) -- Teil 3-3: Grenzwerte - Begrenzung von Spannungsänderungen, Spannungsschwankungen und Flicker in öffentlichen Niederspannungs-Versorgungsnetzen für Geräte mit einem Bemessungsstrom ≤ 16 A je Leiter, die keiner Sonderanschlussbedingung unterliegen

Compatibilité électromagnétique (CEM) -- Partie 3-3: Limites - Limitation des variations de tension, des fluctuations de tension et du papillotement dans les réseaux publics d'alimentation basse tension, pour les matériels ayant un courant assigné ≤ 16 A par phase et non soumis à un raccordement conditionnel

Ta slovenski standard je istoveten z: EN 61000-3-3:1995

ICS:

33.100.01 Elektromagnetna združljivost na splošno Electromagnetic compatibility in general

SIST EN 61000-3-3:1997**en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61000-3-3

January 1995

ICS 29.240.00

Supersedes EN 60555-3:1987 and its amendment

Descriptors: Electromagnetic compatibility, disturbances, voltage fluctuation, type of voltage fluctuation, test conditions, assessment, calculation, measurement, flickermeter

English version

Electromagnetic compatibility (EMC)
Part 3: Limits
Section 3: Limitation of voltage fluctuations and flicker
in low-voltage supply systems for equipment with
rated current ≤ 16 A
(IEC 1000-3-3:1994)

Compatibilité électromagnétique (CEM)
Partie 3: Limites
Section 3: Limitation des fluctuations de
tension et du flicker dans les réseaux
basse tension pour les équipements
ayant un courant appelé ≤ 16 A
(CEI 1000-3-3:1994)

Elektromagnetische Verträglichkeit
(EMV)
Teil 3: Grenzwerte
Hauptabschnitt 3: Grenzwerte für
Spannungsschwankungen und Flicker in
Niederspannungsnetzen für Geräte mit
einem Eingangsstrom ≤ 16 A
(IEC 1000-3-3:1994)

This European Standard 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 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, 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(CO)38, future edition 1 of IEC 1000-3-3:1994, 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 61000-3-3 on 1994-03-08.

This European Standard supersedes EN 60555-3:1987 + A1:1991.

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) 1995-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1998-06-01

For products which have complied with EN 60555-3:1987 and its amendment A1:1991 before 1996-01-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1998-06-01.

For products which were not in the scope of the earlier standard but are now covered in the new edition, the latest date of application of the new edition is 1998-06-01.

Annexes designated "normative" are part of the body of the standard.
In this standard, annexes A and ZA are normative
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 1000-3-3:1994 was approved by CENELEC as a European Standard without any modification.

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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
50(161)	1990	International Electrotechnical Vocabulary (IEV) - Chapter 161: Electromagnetic compatibility	-	-
335-2-7	1993*	Safety of household and similar electrical appliances Part 2: Particular requirements for washing machines	-	-
335-2-11	1993*	Safety of household and similar electrical appliances Part 2: Particular requirements for tumbler dryers	-	-
725	1981	Considerations on reference impedances for use in determining the disturbance characteristics of household appliances and similar electrical equipment	-	-
868 A1	1986 1990	Flickermeter - Functional and design specifications	EN 60868	1993
1000-3-5	1994	Electromagnetic compatibility (EMC) Part 3: Limits - Section 5: Limitation of voltage fluctuations and flicker in low-voltage power supply systems for equipment with rated current greater than 16 A	-	-

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* IEC 335-2-7:1984, mod., is harmonized as EN 60335-2-7:1990
IEC 335-2-11:1984, mod., is harmonized as EN 60335-2-11:1989

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC
1000-3-3**

Première édition
First edition
1994-12

Compatibilité électromagnétique (CEM) –

Partie 3:

Limites – Section 3: Limitation des fluctuations de tension et du flicker dans les réseaux basse tension pour les équipements ayant un courant appelé ≤ 16 A

Electromagnetic compatibility (EMC) –

Part 3:

Limits – Section 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current ≤ 16 A

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

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

CONTENTS

	Page
FOREWORD	7
INTRODUCTION	9
Clause	
1 Scope	11
2 Normative references	11
3 Definitions	13
3.1 R.M.S. voltage shape, $U(t)$	13
3.2 Voltage change characteristic, $\Delta U(t)$	13
3.3 Maximum voltage change, ΔU_{\max}	13
3.4 Steady-state voltage change, ΔU_c	13
3.5 Voltage fluctuation	13
3.6 Flicker	13
3.7 Short-term flicker indicator, P_{st}	13
3.8 Long-term flicker indicator, P_{lt}	15
3.9 Flickermeter	15
3.10 Flicker impression time, t_f	15
4 Assessment of voltage fluctuations and flicker	15
4.1 Assessment of a relative voltage change, "d"	15
4.2 Assessment of the short-term flicker value, P_{st}	15
4.2.1 Flickermeter	17
4.2.2 Simulation method	17
4.2.3 Analytical method	17
4.2.3.1 Description of the analytical method	17
4.2.3.2 Shape factor	19
4.2.4 Use of $P_{st}=1$ curve	19
4.3 Assessment of long-term flicker value, P_{lt}	19
5 Limits	19
6 Test conditions	21
6.1 General	21
6.2 Measurement accuracy	21
6.3 Test supply voltage	23
6.4 Reference impedance	23
6.5 Observation period	23
6.6 General test conditions	25

Figures	Page
1 Reference network for single-phase and three-phase supplies derived from a three-phase, four-wire supply	27
2 Histogram evaluation of $U(t)$	29
3 Relative voltage change characteristic	29
4 Curve for $P_{st}=1$ for rectangular equidistant voltage changes	31
5 Shape factors F for double-step and ramp-voltage characteristics	31
6 Shape factors F for rectangular and triangular voltage characteristics	33
7 Shape factors F for motor-start voltage characteristics having various front times	33
Annex	
A Application of limits and type test conditions for specific equipment	35

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SIST EN 61000-3-3:1997

<https://standards.iteh.ai/catalog/standards/sist/e5de964e-b4e5-4365-8db7-cf22b8110505/sist-en-61000-3-3-1997>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTROMAGNETIC COMPATIBILITY (EMC) –

Part 3: Limits –

Section 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current ≤ 16 A

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 standardization 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 Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) 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.
- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.

International Standard IEC 1000-3-3 has been prepared by sub-committee 77A: Low-frequency phenomena, of IEC technical committee 77: Electromagnetic compatibility.

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

DIS	Report on voting
77A(CO)38	77A(CO)40

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 first edition of IEC 1000-3-3 cancels and replaces IEC 555-3, published in 1982, and amendment 1 (1990).

Annex A is an integral part of this standard.

INTRODUCTION

IEC 1000 is published in separate parts according to the following structure:

Part 1: General

General considerations (introduction, fundamental principles)

Definitions, terminology

Part 2: Environment

Description of the environment

Classification of the environment

Compatibility levels

Part 3: Limits

Emission limits

Immunity limits (in so far as they do not fall under the responsibility of product committees)

Part 4: Testing and measurement techniques

Measurement techniques

Testing techniques

Part 5: Installation and mitigation guidelines

Installation guidelines

Mitigation methods and devices

Part 9: Miscellaneous

Each part is further subdivided into sections which are to be published either as International Standards or as Technical Reports.

These standards and reports will be published in chronological order and numbered accordingly.

This section is a Product Family Standard.

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