SVENSK STANDARD SS-EN 61000-4-24



Svenska Elektriska Kommissionen, SEK

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Elektromagnetisk kompatibilitet (EMC) – Del 4: Mät- och provningsmetoder – Provningsmetoder för skyddskomponenter för ledningsbunden nukleär elektromagnetisk puls (HEMP)

Electromagnetic compatibility (EMC) -Part 4: Testing and measurement techniques -Section 24: Test methods for protective devices for HEMP conducted disturbance -Basic EMC publication

Som svensk standard gäller europastandarden EN 61000-4-24:1997. Den svenska standarden innehåller den officiella engelska språkversionen av EN 61000-4-24:1997.

Nationellt förord Europastandarden EN 61000-4-24:1997

består av:

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- IEC 61000-4-24, First edition, 1997 · Electromagnetic compatibility (EMC) ·

Part 4: Testing and measurement techniques -Section 24: Test methods for protective devices for HEMP conducted disturbance -Basic EMC publication

utarbetad inom International Electrotechnical Commission, IEC.

ICS 33.100

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Upplysningar om sakinnehållet i standarden lämnas av SEK. Telefon: 08 - 444 14 00. Telefax: 08 - 444 14 30

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EUROPEAN STANDARD

EN 61000-4-24

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 1997

ICS 33.100

Descriptors: Environments, pulses, electromagnetism, explosions, nuclear reaction, nuclear energy, electromagnetic immunity, electromagnetic interference, safety devices

English version

Electromagnetic compatibility (EMC) Part 4: Testing and measurement techniques Section 24: Test methods for protective devices for HEMP conducted disturbance Basic EMC publication (IEC 61000-4-24:1997)

Compatibilité electromagnétique (CEM) Partie 4: Techniques d'essai et de mesure Section 24: Méthodes d'essais pour les dispositifs de protection pour perturbations conduites IEMN-HA Publication fondamentale en CEM (CEI 61000-4-24: 1997) Elektromagnetische Verträglichkeit (EMV) Teil 4: Prüf- und Meßverfahren Hauptabschnitt 24: Prüfverfahren für Einrichtungen zum Schutz gegen leitungsgeführte HEMP-Störgrößen EMV Grundnorm (IEC 61000-4-24:1997)

This European Standard was approved by CENELEC on 1997-03-11. 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.

CENELEC

European Committee for Electrotechnical Standardization Cornit Europeen de Normalisation Electrotechnique

Europsisches Komitee fijr Elektrotechnische Normung

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Foreword

The text of document 77C/37/FDIS, future edition 1 of IEC 61000-4-24, prepared by SC 77C, Immunity to high altitude nuclear electromagnetic pulse (HEMP), of IEC TC 77, Electromagnetic compatibility, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61000-4-24 on 1997-03-11.

The following dates ware 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)	1997-12-01
-	latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	1997-12-01

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 annex A is informative. Annex **ZA** has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61000-4-24: 1997 was approved by CENELEC as a European Standard without any modification.

In the official version, for annex A, Bibliography, the following note has to be added for the standard indicated:

IEC 1000-5-5 NOTE: Harmonited as EN 61000-5-5: 1996 (not modified).

Year

EN/HD

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.

Publication Year Title

IEC 50(161) 1990 International Electrotechnical Vocabulary (IEV) Chapter 161: Electromagnetic compatibility

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ELECTROMAGNETIC COMPATIBILITY (EMC) -

Part 4: Testing and measurement techniques -

Section 24: Test methods for protective devices for HEMP conducted disturbance

Basic EMC publication

1 Scope

This section of IEC 61000-4 deals with methods for testing protective devices for HEMP conducted disturbance. It primarily covers testing of voltage breakdown and voltage-limiting characteristics but also methods to measure the residual voltage under HEMP conditions for the case of very fast changes of voltage (u) and current (i) as a function of time.

2 Normative references

The following normative document contains provisions which, through reference in this text, constitute provisions of this section of IEC 61000-4. At the time of publication, the edition indicated was valid. All normative documents are subject to revision, and parties to agreements based on this section of IEC 61000-4 are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 50(161): 1990, international Nectrotechnical Vocabulary (IEV) – Chapter 161: Electromagnetic compatibility