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I.S. EN 61642:1999

ICS 29.120.99
29.240.99
31.060.70

National Standards
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Ireland

Tel: +353 1 807 3800
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INDUSTRIAL A.C. NETWORKS AFFECTED BY

HARMONICS APPLICATION OF FILTERS AND

SHUNT CAPACITORS (IEC 61642:1997)

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61642

October 1997

ICS 31.060.99; 31.160

Descriptors: Capacitors, shunts, power capacities, alternating current, electric filters, definitions, generalities

English version

Industrial a.c. networks affected by harmonics
Application of filters and shunt capacitors
(IEC 61642:1997)

Réseaux industriels à courant alternatif
affectés par les harmoniques - Emploi
de filtres et de condensateurs shunt
(CEI 61642:1997)

Von Overschwingungen beeinflußte
industrielle Wechselstromnetze
Anwendung von Filtern und
Parallelkondensatoren
(IEC 61642:1997)

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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
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

Ref. No. EN 61642:1997 E

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Foreword

The text of document 33/255/FDIS, future edition 1 of IEC 61642, prepared by IEC TC 33, Power capacitors, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61642 on 1997-10-01.

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) 1998-07-01

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  with the EN have to be withdrawn   (dow) 1998-07-01

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 61642:1997 was approved by CENELEC as a European Standard without any modification.

In the official version, for annex A, Bibliography, the following notes have to be added for the standards indicated:

IEC 60110   NOTE: Harmonized as HD 207 S1:1977 (not modified).

IEC 60143   NOTE: Harmonized in the EN 60143 series.

IEC 60358   NOTE: Harmonized as HD 597 S1:1992 (not modified).

IEC 60252   NOTE: Harmonized as EN 60252:1994 (modified).

IEC 61048   NOTE: Harmonized, together with its corrigendum 1992, as EN 61048:1993 (modified).

IEC 61049   NOTE: Harmonized, together with its corrigendum 1992, as EN 61049:1993 (modified).

IEC 60056   NOTE: Harmonized, together with its amendments 1:1992 and 2:1995, as HD 348 S6:1995.

IEC 60255-6   NOTE: Harmonized as EN 60255-6:1994 (modified).

IEC 60265-1   NOTE: Harmonized, together with its amendments 1:1984 and 2:1994, as HD 355.1 S3:1995 (not modified).

IEC 60265-2   NOTE: Harmonized, together with its corrigendum 1990, as EN 60265-2:1993 (not modified).

IEC 60269   NOTE: Harmonized in the EN 60269 series and in the HD 630 series.

IEC 60282   NOTE: Harmonized as EN 60282-1:1996 (not modified) and as HD 636 S1:1996 (not modified).

IEC 60289   NOTE: Harmonized as EN 60289:1994 (modified).

IEC 60831-1   NOTE: Harmonized as EN 60831-1:1996 (not modified).

IEC 60871-1   NOTE: Harmonized as HD 525.1 S1:1989 (not modified).

IEC 60871-2   NOTE: Harmonized as HD 525.2 S1:1989 (not modified).

IEC 60931-1   NOTE: Harmonized as EN 60931-1:1996 (not modified).

IEC 61000-2-2 NOTE: Harmonized as ENV 61000-2-2:1993 (modified).

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	EN/HD	Year
IEC 60050(131)	1978	International Electrotechnical Vocabulary (IEV) Chapter 131: Electric and magnetic circuits	-	-
IEC 60050(161)	1990	Chapter 161: Electromagnetic compatibility	-	-

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