



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61071:2007

ICS 31.060.70

CAPACITORS FOR POWER ELECTRONICS

(IEC 61071:2007 (EQV))

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61071

April 2007

ICS 31.060.70

Supersedes EN 61071-1:1996 and EN 61071-2:1996

English version

**Capacitors for power electronics
(IEC 61071:2007)**

Condensateurs
pour électronique de puissance
(CEI 61071:2007)

Kondensatoren
der Leistungselektronik
(IEC 61071:2007)

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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.

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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 33/432/FDIS, future edition 1 of IEC 61071, prepared by IEC TC 33, Power capacitors, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61071 on 2007-04-01.

This European Standard supersedes EN 61071-1:1996 and EN 61071-2:1996.

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) 2008-01-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61071:2007 was approved by CENELEC as a European Standard without any modification.

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

IEC 60077-1	NOTE Harmonized as EN 60077-1:2002 (modified).
IEC 60077-2	NOTE Harmonized as EN 60077-2:2002 (modified).
IEC 60146-1-1	NOTE Harmonized as EN 60146-1-1:1993 (not modified).
IEC 61287-1	NOTE Harmonized as EN 61287-1:2006 (not modified).
IEC 60110-1	NOTE Harmonized as EN 60110-1:1998 (not modified).
IEC 60143	NOTE Harmonized in EN 60143 series (partially modified).
IEC 60252-1	NOTE Harmonized as EN 60252-1:2001 (not modified).
IEC 60252-2	NOTE Harmonized as EN 60252-2:2003 (not modified).
IEC 60358	NOTE Harmonized as HD 597 S1:1992 (not modified).
IEC 60384-14	NOTE Harmonized as EN 60384-14:2005 (not modified).
IEC 60831-1	NOTE Harmonized as EN 60831-1:1996 (not modified).
IEC 60831-2	NOTE Harmonized as EN 60831-2:1996 (not modified).
IEC 60871-1	NOTE Harmonized as EN 60871-1:2005 (not modified).
IEC 60931-1	NOTE Harmonized as EN 60931-1:1996 (not modified).
IEC 60931-2	NOTE Harmonized as EN 60931-2:1996 (not modified).

IEC 61048	NOTE Harmonized as EN 61048:2006 (not modified).
IEC 61049	NOTE Harmonized as EN 61049:1993 (modified).
IEC 61270-1	NOTE Harmonized as EN 61270-1:1996 (not modified).
IEC 61881	NOTE Harmonized as EN 61881:1999 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 60068-2-6	- ¹⁾	Environmental testing - Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	1995 ²⁾
IEC 60068-2-14	- ¹⁾	Environmental testing - Part 2: Tests - Test N: Change of temperature	EN 60068-2-14	1999 ²⁾
IEC 60068-2-20	- ¹⁾	Environmental testing - Part 2: Tests - Test T: Soldering	HD 323.2.20 S3	1988 ²⁾
IEC 60068-2-21	- ¹⁾	Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices	EN 60068-2-21	2006 ²⁾
IEC 60068-2-78	- ¹⁾	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2001 ²⁾
IEC 60071-1	- ¹⁾	Insulation co-ordination - Part 1: Definitions, principles and rules	EN 60071-1	2006 ²⁾
IEC 60071-2	- ¹⁾	Insulation co-ordination - Part 2: Application guide	EN 60071-2	1997 ²⁾
IEC 60269-1	- ¹⁾	Low-voltage fuses - Part 1: General requirements	EN 60269-1	200X ³⁾
IEC 60664-1	- ¹⁾	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2003 ²⁾
IEC 60695-2-11	- ¹⁾	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001 ²⁾
IEC 60695-2-12	- ¹⁾	Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability test method for materials	EN 60695-2-12	2001 ²⁾
IEC 60947-1	- ¹⁾	Low-voltage switchgear and controlgear - Part 1: General rules	EN 60947-1 + corr. November	2004 ²⁾ 2004

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ To be published.

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