



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61071-1:1999**

ICS 31.060.70

**POWER ELECTRONIC CAPACITORS.**

**PART 1: GENERAL (IEC 1071-1:191,**

**MODIFIED)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61071-1**

November 1996

ICS 31.060.70

Descriptors: Electronic equipment, power capacitors, definitions, operating requirements, tests, classifications, quality, safety requirements, installation, marking

English version

**Power electronic capacitors**  
**Part 1: General**  
(IEC 1071-1:1991, modified)

Condensateurs pour l'électronique  
de puissance  
Partie 1: Généralités  
(CEI 1071-1:1991, modifiée)

Kondensatoren der Leistungselektronik  
Teil 1: Allgemeines  
(IEC 1071-1:1991, modifiziert)

This European Standard was approved by CENELEC on 1996-07-02. 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  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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

## Foreword

The text of the International Standard IEC 1071-1:1995, prepared by IEC TC 33, Power capacitors, was submitted to the formal vote.

Following a decision by the 86th Technical Board, a draft amendment, prepared by Reporting Secretariat SR 33, was submitted to the formal vote.

The two texts were combined and approved by CENELEC as EN 61071-1 on 1996-07-02.

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) 1997-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1997-06-01

For products which have complied with the relevant national standard before 1997-06-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-06-01.

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

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## Endorsement notice

The text of the International Standard IEC 1071-1:1995 was approved by CENELEC as a European Standard with agreed common modifications as given below.

### COMMON MODIFICATIONS

#### 1.3 Definitions

Replace "1.3.13" by "1.3.13.1".

Add:

**1.3.13.2 Overpressure sensing device:** A device designed to detect excessive internal overpressure.

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**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 68-2-6	1982	Basic environmental testing procedures Part 2: Tests - Test Fc and guidance: Vibration (Sinusoidal)	HD 323.2.6 S2 <sup>1)</sup>	1988
IEC 146	series	Semiconductors converters	-	-
IEC 411	series	Power converters for electric traction	-	-
IEC 664	1980	Insulation coordination within low-voltage systems including clearances and creepage distances for equipment	-	-
IEC 664A	1981 <sup>2)</sup>	First supplement	-	-

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1) HD 323.2.6 S2 is superseded by EN 60068-2-6:1995, which is based on IEC 68-2-6:1995.

2) IEC 664 + IEC 664A are superseded by IEC 664-1:1992. IEC 664-1:1992, mod., is harmonized as HD 625.1 S1:1996.



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