



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60076-5:2006**

ICS 29.180

**POWER TRANSFORMERS -- PART 5:  
ABILITY TO WITHSTAND SHORT-CIRCUIT**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60076-5**

June 2006

ICS 29.180

Supersedes EN 60076-5:2000

English version

**Power transformers**  
**Part 5: Ability to withstand short-circuit**  
**(IEC 60076-5:2006)**

Transformateurs de puissance  
Partie 5: Tenue au court-circuit  
(CEI 60076-5:2006)

Leistungstransformatoren  
Teil 5: Kurzschlussfestigkeit  
(IEC 60076-5:2006)

This European Standard was approved by CENELEC on 2006-04-01. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 document 14/518/FDIS, future edition 3 of IEC 60076-5, prepared by IEC TC 14, Power transformers, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60076-5 on 2006-04-01.

This European Standard supersedes EN 60076-5:2000.

This European Standard includes the following significant technical changes with respect to EN 60076-5:2000:

- a) introduction of Annex A (informative) "Theoretical evaluation of the ability to withstand the dynamic effects of short circuit", in place of previous Annex B (normative) "Calculation method for the demonstration of the ability to withstand short circuit" (blank);
- b) introduction of Annex B (informative) "Definition of similar transformer", in place of previous Annex A (informative) "Guidance for the identification of a similar transformer".

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) 2007-01-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2009-04-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60076-5:2006 was approved by CENELEC as a European Standard without any modification.

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## 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 60076-1 (mod) + corr. June + A1	1993 1997 1999	Power transformers - Part 1: General	EN 60076-1 + A1 + A11 + A12	1997 2000 1997 2002
IEC 60076-3 + corr. December	2000 2000	Power transformers - Part 3: Insulation levels, dielectric tests and external clearances in air	EN 60076-3	2001
IEC 60076-8	1997	Power transformers - Part 8: Application guide	-	-
IEC 60076-11	2004	Power transformers - Part 11: Dry-type transformers	EN 60076-11	2004



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