



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60076-13:2006**

ICS 29.180

**POWER TRANSFORMERS -- PART 13:**

**SELF-PROTECTED LIQUID-FILLED**

**TRANSFORMERS (IEC 60076-13:2006**

**(EQV))**

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*This Irish Standard was  
published under the  
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Standards Authority of  
Ireland and comes into  
effect on:*

*15 November 2006*

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60076-13**

October 2006

ICS 29.180

English version

**Power transformers**  
**Part 13: Self-protected liquid-filled transformers**  
(IEC 60076-13:2006)

Transformateurs de puissance  
Partie 13: Transformateurs auto-protégés  
immergés dans un liquide diélectrique  
(CEI 60076-13:2006)

Leistungstransformatoren  
Teil 13: Selbstgeschützte  
flüssigkeitsgefüllte Transformatoren  
(IEC 60076-13:2006)

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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 14/530/FDIS, future edition 1 of IEC 60076-13, prepared by IEC TC 14, Power transformers, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60076-13 on 2006-09-01.

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) | 2007-06-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn   | (dow) | 2009-09-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60076-13:2006 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)	1993	Power transformers	EN 60076-1	1997
A1	1999	Part 1: General	A11	1997
			A1	2000
			A12	2002
IEC 60076-2 (mod)	- <sup>1)</sup>	Power transformers	EN 60076-2	1997 <sup>2)</sup>
		Part 2: Temperature rise		
IEC 60076-3	2000	Power transformers		
+ corr. December	2000	Part 3: Insulation levels, dielectric tests and external clearances in air	EN 60076-3	2001
IEC 60076-5	2000	Power transformers	EN 60076-5 <sup>3)</sup>	2000
		Part 5: Ability to withstand short circuit		
IEC 60076-7	- <sup>1)</sup>	Power transformers	-	-
		Part 7: Loading guide for oil-immersed power transformers		
IEC 60137	- <sup>1)</sup>	Insulated bushings for alternating voltages above 1 000 V	EN 60137	2003 <sup>2)</sup>
IEC 60270	- <sup>1)</sup>	High-voltage test techniques - Partial discharge measurements	EN 60270	2001 <sup>2)</sup>
IEC 60282-1	- <sup>1)</sup>	High-voltage fuses	EN 60282-1	2006 <sup>2)</sup>
		Part 1: Current-limiting fuses		
IEC 60296	- <sup>1)</sup>	Fluids for electrotechnical applications - Unused mineral insulating oils for transformers and switchgear	EN 60296	2004 <sup>2)</sup>
			+ corr. September	2004
IEC 60836	- <sup>1)</sup>	Specifications for unused silicone insulating liquids for electrotechnical purposes	EN 60836	2005 <sup>2)</sup>
IEC 61099	- <sup>1)</sup>	Specification for unused synthetic organic esters for electrical purposes	EN 61099	1992 <sup>2)</sup>

<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

<sup>3)</sup> EN 60076-5 is superseded by EN 60076-5:2006, which is based on IEC 60076-5:2006.



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