



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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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60076-13

October 2006

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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)

This European Standard was approved by CENELEC on 2006-09-01. 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

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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.

Endorsement notice

The text of the International Standard IEC 60076-13:2006 was approved by CENELEC as a European Standard without any modification.

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

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ EN 60076-5 is superseded by EN 60076-5:2006, which is based on IEC 60076-5:2006.

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