



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61558-2-1:2007

ICS 29.180

**SAFETY OF POWER TRANSFORMERS,
POWER SUPPLIES, REACTORS AND
SIMILAR PRODUCTS -- PART 2-1:
PARTICULAR REQUIREMENTS AND TESTS
FOR SEPARATING TRANSFORMERS AND
POWER SUPPLIES INCORPORATING
SEPARATING TRANSFORMERS FOR
GENERAL APPLICATIONS (IEC 61558-2
-1:2007 (EQV))**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61558-2-1

March 2007

ICS 29.180

Supersedes EN 61558-2-1:1997

English version

**Safety of power transformers, power supplies,
reactors and similar products -
Part 2-1: Particular requirements and tests for separating transformers
and power supplies incorporating separating transformers
for general applications
(IEC 61558-2-1:2007)**

Sécurité des transformateurs,
alimentations, bobines d'inductance
et produits analogues -
Partie 2-1: Règles particulières et essais
pour transformateurs d'isolement
à enroulements séparés et alimentations
incorporant des transformateurs
d'isolement à enroulements séparés
pour applications d'ordre général
(CEI 61558-2-1:2007)

Sicherheit von Transformatoren,
Netzgeräten, Drosseln und dergleichen -
Teil 2-1: Besondere Anforderungen
und Prüfungen an Netztransformatoren
und Netzgeräten, die Netztransformatoren
enthalten, für allgemeine Anwendungen
(IEC 61558-2-1:2007)

This European Standard was approved by CENELEC on 2007-02-01. 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, Bulgaria, 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 96/252/FDIS, future edition 2 of IEC 61558-2-1, prepared by IEC TC 96, Small power transformers, reactors, power supply units and similar products, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61558-2-1 on 2007-02-01.

This European Standard supersedes EN 61558-2-1:1997.

The main changes consist of updating this Part 2-1 in accordance with EN 61558-1:2005, and adding power supplies to the scope.

This Part 2-1 is intended to be used in conjunction with the latest edition of EN 61558-1 and its amendments. It is based on EN 61558-1:2005.

This Part 2-1 supplements or modifies the corresponding clauses in EN 61558-1, so as to convert that publication into the European standard: *Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications*.

Where a particular subclause of Part 1 is not mentioned in this Part 2-1, that subclause applies as far as is reasonable. Where this Part 2-1 states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

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) | 2007-11-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2010-02-01 |

In this Part 2-1, the following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*
- explanatory matter: in smaller roman type.

In the text of this Part 2-1, the words in **bold** are defined in Clause 3.

Subclauses additional to those in Part 1 are numbered starting from 101; supplementary annexes are entitled AA, BB, etc.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61558-2-1:2007 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

Addition:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60076-11	- ¹⁾	Power transformers - Part 11: Dry-type transformers	EN 60076-11	2004 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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