



National Standards Authority of Ireland
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 61558-2-7:2007

ICS 29.180

**SAFETY OF POWER TRANSFORMERS,
POWER SUPPLIES, REACTORS AND
SIMILAR PRODUCTS -- PART 2-7:
PARTICULAR REQUIREMENTS AND TESTS
FOR TRANSFORMERS AND POWER
SUPPLIES FOR TOYS (IEC 61558-2-7:2007
(MOD))**

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EUROPEAN STANDARD

EN 61558-2-7

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2007

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Supersedes EN 61558-2-7:1997 + A11:2002

English version

**Safety of power transformers, power supplies,
reactors and similar products -
Part 2-7: Particular requirements and tests
for transformers and power supplies for toys
(IEC 61558-2-7:2007, modified)**

Sécurité des transformateurs,
alimentations, bobines d'inductance
et produits analogues -
Partie 2-7: Règles particulières
et essais pour transformateurs
et alimentations pour jouets
(CEI 61558-2-7:2007, modifiée)

Sicherheit von Transformatoren,
Netzgeräten, Drosseln und dergleichen -
Teil 2-7: Besondere Anforderungen
und Prüfungen an Transformatoren
für Spielzeuge
(IEC 61558-2-7:2007, modifiziert)

This European Standard was approved by CENELEC on 2007-09-01. 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, 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

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Foreword

The text of document 96/254/FDIS, future edition 2 of IEC 61558-2-7, prepared by IEC TC 96, Transformers, reactors, power supply units and similar products for low voltage up to 1 100 V, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61558-2-7 on 2007-09-01 with inclusion of a common modification intended to align this European Standard with EN 62115:2005.

This European Standard supersedes EN 61558-2-7:1997 + A11:2002.

The main changes consist of updating EN 61558-2-7:1997, in accordance with EN 61558-1:2005, and adding power supplies to the scope.

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) 2008-06-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2010-09-01

This Part 2-7 is intended to be used in conjunction with EN 61558-1:2005.

This Part 2-7 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 transformers and power supplies for toys*.

When a particular subclause of Part 1 is not mentioned in this Part 2-7, that subclause applies as far as is reasonable. Where this standard states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

In this Part 2-7, 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 standard, 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 61558-2-7:2007 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Replace subclause 20.103 by:

20.103 The operating means of control devices, if any, shall not be affixed to the **transformers**.

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Annex ZA
(normative)**Normative references to international publications
with their corresponding European publications****Addition** to Annex ZA of EN 61558-1:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60227-1	– ¹⁾	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 1: General requirements	–	–
IEC 60245-1	– ²⁾	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 1: General requirements	–	–

¹⁾ Undated reference. HD 21.1 S4:2002, *Cables of rated voltages up to and including 450/750 V and having thermoplastic insulation - Part 1: General requirements*, which is related to, but not directly equivalent with, IEC 60227-1, applies instead.

²⁾ Undated reference. HD 22.1 S4:2002, *Cables of rated voltages up to and including 450/750 V and having cross-linked insulation - Part 1: General requirements*, which is related to, but not directly equivalent with, IEC 60245-1, applies instead.

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