

iTeh STANDARD PREVIEW
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SIST EN 61558-1:2006/A1:2009

<https://standards.iteh.ai/catalog/standards/sist/477cefcf-94a0-4721-8a75-e2351d121bbb/sist-en-61558-1-2006-a1-2009>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61558-1/A1

March 2009

ICS 29.180

English version

**Safety of power transformers, power supplies,
reactors and similar products -
Part 1: General requirements and tests
(IEC 61558-1:2005/A1:2009)**

Sécurité des transformateurs,
alimentations, bobines d'inductance
et produits analogues -
Partie 1: Exigences générales et essais
(CEI 61558-1:2005/A1:2009)

Sicherheit von Transformatoren,
Netzgeräten, Drosseln und dergleichen -
Teil 1: Allgemeine Anforderungen
und Prüfungen
(IEC 61558-1:2005/A1:2009)

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This amendment A1 modifies the European Standard EN 61558-1:2005; it was approved by CENELEC on 2009-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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: avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 96/314/FDIS, future amendment 1 to IEC 61558-1:2005, 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 amendment A1 to EN 61558-1:2005 on 2009-03-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2009-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2012-03-01

Endorsement notice

The text of amendment 1:2009 to the International Standard IEC 61558-1:2005 was approved by CENELEC as an amendment to the European Standard without any modification.

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IEC 61558-1

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AMENDMENT 1
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Part 1: General requirements and tests**

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**Sécurité des transformateurs, alimentations, bobines d'inductance et produits
analogues –
Partie 1: Exigences générales et essais**

INTERNATIONAL
ELECTROTECHNICAL
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ICS 29.180

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FOREWORD

This amendment has been prepared by IEC technical committee 96: Transformers, reactors, power supply units and similar products for low voltage up to 1 100 V.

The text of this amendment is based on the following documents:

| | |
|-------------|------------------|
| FDIS | Report on voting |
| 96/314/FDIS | 96/320/RVD |

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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5.13

Replace the second paragraph by the following text:
[SIST EN 61558-1:2006/A1:2009](https://standards.iteh.ai/catalog/standards/sist/477cefcf-94a0-4721-8a75-e2351d121bbb/sist-en-61558-1-2006-a1-2009)

For these **transformers**, the requirements of Clause 9 are not applicable. Furthermore, the test in 27.2 is not performed as the result may be influenced by the **enclosure** in the final application, for example on the fixing point of the **transformer** fixed on plastic support. For the fault condition test, if applicable, the product standard for the final product applies.

8.14

Add the following text to the end of the subclause:

For IP00 **transformers**, if applicable, the test in 27.2 is not performed as the result may be affected by the **enclosure** in the final application.

27.2 Resistance to abnormal heat under fault conditions

Replace the first paragraph by the following text:

Transformers with protection index IP20 or higher, under fault conditions, shall not act as a source of ignition, and the insulation between the windings shall not result in breakdown; moreover, hazardous live parts shall not be accessible.