

EUROPEAN STANDARD

EN 61558-1/A11

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2003

ICS 29.180

English version

**Safety of power transformers, power supply units and similar
Part 1: General requirements and tests**

Sécurité des transformateurs, blocs
d'alimentation et analogues
Partie 1: Règles générales et essais

Sicherheit von Transformatoren,
Netzgeräten und dergleichen
Teil 1: Allgemeine Anforderungen und
Prüfungen

This amendment A11 modifies the European Standard EN 61558-1:1997; it was approved by CENELEC on 2002-11-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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

This amendment was prepared by the Technical Committee CENELEC TC 96, Small power transformers, reactors and power supply units: Safety requirements.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A11 to EN 61558-1:1997 on 2002-11-01.

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) 2003-11-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2005-12-01

15 Short circuit and overload protection

15.3.3 Replacement:

If protected by miniature fuses in accordance with IEC 60127, or by road vehicles blade type electric fuse-links according to ISO 8820, or by a technically equivalent fuse, the transformer is loaded for a period corresponding to the longest pre-arcing time with the relevant current as specified in the appropriate standard sheet.

NOTE A technically equivalent fuse is a fuse-link having the same time-current characteristic as one of those indicated in IEC 60127 or in ISO 8820.

*If the **transformer** is protected by miniature fuses in accordance to IEC 60127, an additional overload test shall be performed with 1,5 times of the rated fuse current until steady state condition.*

20 Components

20.3 Replacement of the second paragraph:

Plugs and socket-outlets for SELV systems with both a rated current ≤ 3 A and a rated voltage ≤ 24 V shall comply with the following requirements:

- plugs shall not be able to enter socket-outlets of other standardised voltage systems;
- socket-outlets shall not admit plugs of other standardised voltage systems;
- socket-outlets shall not have a protective earthing contact.

Other plugs and socket-outlets for SELV systems shall comply with the requirements of IEC 60906-3 and IEC 60884-2-4.



Corrigendum to EN 61558-1:1997

English version

Foreword

Replace the second paragraph by:

This European Standard together with the parts 2-4, 2-5, 2-6, 2-7, 2-8 and 2-9 of EN 61558 supersedes EN 60742:1995.

Replace the latest date for withdrawal of national conflicting standards (dow) by:

- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-12-01
-

April 2003