
**Varnost transformatorjev, dušilk, napajalnikov in kombinacij teh elementov - 2-13.
del: Posebne zahteve in preskusi za avtotransformatorje in napajalnike z
avtotransformatorji za splošno uporabo**

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-13: Particular requirements and tests for auto transformers and power supply units incorporating auto transformers for general applications

Sicherheit von Transformatoren, Drosseln, Netzgeräten und entsprechenden Kombinationen – Teil 2-13: Besondere Anforderungen und Prüfungen für Spartransformatoren und Netzgeräte, die Spartransformatoren enthalten, für allgemeine Anwendungen

Sécurité des transformateurs, bobines d'inductance, blocs d'alimentation et combinaisons de ces éléments - Partie 2-13: Exigences particulières et essais pour les autotransformateurs et les blocs d'alimentation qui incorporent des autotransformateurs pour applications d'ordre généra

Ta slovenski standard je istoveten z: EN IEC 61558-2-13:2025

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Safety of transformers, reactors, power supply units and combinations thereof - Part 2-13: Particular requirements and tests for auto-transformers and power supply units incorporating auto-transformers for general applications
(IEC 61558-2-13:2022)

Sécurité des transformateurs, bobines d'inductance, blocs d'alimentation et combinaisons de ces éléments - Partie 2-13: Exigences particulières et essais pour les autotransformateurs et les blocs d'alimentation qui incorporent des autotransformateurs pour applications d'ordre général
(IEC 61558-2-13:2022)

Sicherheit von Transformatoren, Drosseln, Netzgeräten und entsprechenden Kombinationen - Teil 2-13: Besondere Anforderungen und Prüfungen für Spartransformatoren und Netzgeräte, die Spartransformatoren enthalten, für allgemeine Anwendungen
(IEC 61558-2-13:2022)

This European Standard was approved by CENELEC on 2024-10-16. 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.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61558-2-13:2025 (E)**European foreword**

The text of document 96/549/FDIS, future edition 3 of IEC 61558-2-13, prepared by TC 96 "Transformers, reactors, power supply units, and combinations thereof" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61558-2-13:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-03-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-03-31 document have to be withdrawn

This document supersedes EN 61558-2-13:2009 and all of its amendments and corrigenda (if any).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document is read in conjunction with EN IEC 61558-1:2019.

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The text of the International Standard IEC 61558-2-13:2022 was approved by CENELEC as a European Standard without any modification.

<https://standards.itih.ai/standards/iec/61558-2-13:2022>
In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60364-4-41:2005	NOTE	Approved as HD 60364-4-41:2017 +A11:2017
IEC 61140:2016	NOTE	Approved as EN 61140:2016 (not modified)
IEC 61558 series	NOTE	Approved as EN 61558 series
IEC 61558-2-16	NOTE	Approved as EN 61558-2-16

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Annex ZA of EN IEC 61558-1 is applicable, except as follows:

Add:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61558-1	2017	Safety of transformers, reactors, power supply units and combinations thereof - Part 1: General requirements and tests	EN IEC 61558-1	2019

(https://standards.iteh.ai)
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SIST EN IEC 61558-2-13:2025

<https://standards.iteh.ai/catalog/standards/sist/035d8c91-83bc-411a-b7e7-0809fcca2093/sist-en-iec-61558-2-13-2025>



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Part 2-13: Particular requirements and tests for auto-transformers and power
supply units incorporating auto-transformers for general applications**

**Sécurité des transformateurs, bobines d'inductance, blocs d'alimentation et
combinaisons de ces éléments –**

**Partie 2-13: Exigences particulières et essais pour les autotransformateurs et les
blocs d'alimentation qui incorporent des autotransformateurs pour applications
d'ordre général**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SAFETY OF TRANSFORMERS, REACTORS, POWER SUPPLY UNITS AND COMBINATIONS THEREOF –

Part 2-13: Particular requirements and tests for auto-transformers and power supply units incorporating auto-transformers for general applications

FOREWORD

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International standard IEC 61558-2-13 has been prepared by IEC technical committee 96: Transformers, reactors, power supply units and combinations thereof.

This third edition cancels and replaces the second edition published in 2009. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) adjustment of structure and references in accordance with IEC 61558-1:2017;
- b) description of constructions moved to IEC 61558-1:2017;
- c) new symbol for power supply unit with linearly regulated output voltage.

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

Draft	Report on voting
96/549/FDIS	96/555/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

It has the status of a group safety publication in accordance with IEC Guide 104.

This document is to be used in conjunction with IEC 61558-1:2017.

This document supplements or modifies the corresponding clauses in IEC 61558-1:2017, so as to convert that publication into the IEC standard: *Particular requirements and tests for auto-transformers and power supply units incorporating auto-transformers for general applications*.

A list of all parts in the IEC 61558 series published under the general title *Safety of transformers, reactors, power supply units and combinations thereof*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

Where a particular subclause of IEC 61558-1:2017 is not mentioned in this part, that subclause applies as far as is reasonable. Where this part states "*addition*", "*modification*" or "*replacement*", the relevant text of IEC 61558-1:2017 is to be adapted accordingly.

In this document, 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 document, the words in **bold** are defined in Clause 3.

Subclauses, notes, figures and tables additional to those in IEC 61558-1:2017 are numbered starting from 101; supplementary annexes are entitled AA, BB, etc.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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