



SLOVENSKI STANDARD
SIST EN IEC 61558-2-16:2025

01-maj-2025

Nadomešča:

SIST EN 61558-2-16:2010

SIST EN 61558-2-16:2010/A1:2014

Varnost transformatorjev, dušilk, napajalnikov in kombinacij teh elementov - 2-16. del: Posebne zahteve in preskusi za stikalne napajalnike in transformatorje za stikalne napajalnike za splošno uporabo

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications

Sicherheit von Transformatoren, Drosseln, Netzgeräten und entsprechenden Kombinationen - Teil 2-16: Besondere Anforderungen und Prüfungen für Schaltnetzteile und Transformatoren für Schaltnetzteile für allgemeine Anwendungen

Sécurité des transformateurs, bobines d'inductance, blocs d'alimentation et produits analogues pour des tensions d'alimentation jusqu'à 1 100 V - Partie 2-16: Règles particulières et essais pour les blocs d'alimentation à découpage et les transformateurs pour blocs d'alimentation à découpage

Ta slovenski standard je istoveten z: EN IEC 61558-2-16:2025

ICS:

29.180 Transformatorji. Dušilke Transformers. Reactors

SIST EN IEC 61558-2-16:2025 **en**

EUROPEAN STANDARD

EN IEC 61558-2-16

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2025

ICS 29.180

Supersedes EN 61558-2-16:2009

English Version

Safety of transformers, reactors, power supply units and combinations thereof - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications
(IEC 61558-2-16:2021 + COR1:2023)

Sécurité des transformateurs, bobines d'inductance, blocs d'alimentation et combinaisons de ces éléments - Partie 2-16: Exigences particulières et essais pour les blocs d'alimentation à découpage et les transformateurs pour blocs d'alimentation à découpage pour applications d'ordre général
(IEC 61558-2-16:2021 + COR1:2023)

Sicherheit von Transformatoren, Drosseln, Netzgeräten und entsprechenden Kombinationen - Teil 2-16: Besondere Anforderungen und Prüfungen für Schaltnetzteile und Transformatoren für Schaltnetzteile für allgemeine Anwendungen
(IEC 61558-2-16:2021 + COR1:2023)

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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.



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 61558-2-16:2025 (E)**European foreword**

The text of document 96/509/FDIS, future edition 2 of IEC 61558-2-16 + COR1:2023, 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 61558-2-16:2025.

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 61558-2-16:2009 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.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

iTeh Standards

(<https://standards.iteh.ai>)

Endorsement notice

Document Preview

The text of the International Standard IEC 61558-2-16:2021 + COR1:2023 was approved by CENELEC as a European Standard without any modification.

SIST EN IEC 61558-2-16:2025

<https://standards.iteh.ai> In the official version, for Bibliography, the following notes have to be added for the standard indicated: 2-16-2025

IEC 60204-1:2016	NOTE	Approved as EN 60204-1:2018
IEC 60364-4-41:2005	NOTE	Approved as HD 60364-4-41:2017 +A11:2017
IEC 60601-1:2005	NOTE	Approved as EN 60601-1:2006 (not modified) +A11:2011
IEC 61010-1:2010	NOTE	Approved as EN 61010-1:2010 (not modified)
IEC 61204-7:2016	NOTE	Approved as EN IEC 61204-7:2018 (not modified)
IEC 61347 series	NOTE	Approved as EN 61347 series
IEC 61558 series	NOTE	Approved as EN 61558 series
IEC 62040 series	NOTE	Approved as EN 62040 series
IEC 62368-1	NOTE	Approved as EN IEC 62368-1

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.cencenelec.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 60664-4	2005	Insulation coordination for equipment within low-voltage systems - Part 4: Consideration of high-frequency voltage stress	EN 60664-4	2006
-	-		+AC	2006
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
IEC 61558-2-1	-	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications	EN IEC 61558-2-1	-
IEC 61558-2-4	-	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers for general applications	EN IEC 61558-2-4	-
IEC 61558-2-6	-	Safety of transformers, reactors, power supply units and combinations thereof - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications	EN IEC 61558-2-6	-
IEC 61558-2-13	-	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	EN IEC 61558-2-13	-

