



# SLOVENSKI STANDARD SIST EN IEC 62146-2:2023

01-april-2023

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## Kondenzatorji za visokonapetostne odklopnike za izmenični tok - 2. del: Kondenzatorji TRV (IEC 62146-2:2023)

Capacitors for high voltage alternating current circuit breakers - Part 2: TRV capacitors (IEC 62146-2:2023)

Spannungsausgleichskondensatoren für Hochspannungs-Wechselstrom-Leistungsschalter - Teil 2: TRV-Kondensatoren (IEC 62146-2:2023)

Condensateurs pour disjoncteurs à courant alternatif haute tension - Partie 2:  
Condensateurs TTR (IEC 62146-2:2023)

Ta slovenski standard je istoveten z: **EN IEC 62146-2:2023**

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### ICS:

31.060.70      Močnostni kondenzatorji      Power capacitors

**SIST EN IEC 62146-2:2023**      **en**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN IEC 62146-2**

February 2023

ICS 31.060; 31.060.70

English Version

**Capacitors for high-voltage alternating current circuit-breakers -  
Part 2: TRV capacitors  
(IEC 62146-2:2023)**

Condensateurs pour disjoncteurs à courant alternatif haute  
tension - Partie 2: Condensateurs TTR  
(IEC 62146-2:2023)

Spannungsausgleichskondensatoren für Hochspannungs-  
Wechselstrom-Leistungsschalter - Teil 2: TRV-  
Kondensatoren  
(IEC 62146-2:2023)

This European Standard was approved by CENELEC on 2023-02-14. 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.

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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 62146-2:2023 (E)****European foreword**

The text of document 33/685/FDIS, future edition 1 of IEC 62146-2, prepared by IEC/TC 33 "Power capacitors and their applications" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62146-2:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-11-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-02-14

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 62146-1:2014 and EN 62146-1:2014/A1:2016.

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.

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The text of the International Standard IEC 62146-2:2023 was approved by CENELEC as a European Standard without any modification.

<https://standards.itih.ai/catalog/standards/sist/68f43cf2-1365-48b4-8179-8284568e78f3/sist-en-iec-62146-2-2023>

## 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60060-1	2010	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	2010
IEC 60358-1	2012	Coupling capacitors and capacitor dividers - Part 1: General rules	EN 60358-1	2012
IEC 60815	series	Selection and dimensioning of high-voltage-insulators intended for use in polluted conditions		-
IEC 60871-1	2014	Shunt capacitors for a.c. power systems having a rated voltage above 1 000 V - Part 1: General	EN 60871-1	2014
IEC 61462	2007	Composite hollow insulators - Pressurized and unpressurized insulators for use in electrical equipment with rated voltage greater than 1 000 V - Definitions, test methods, acceptance criteria and design recommendations	EN 61462	2007
IEC 62146-1	2013	Grading capacitors for high-voltage alternating current circuit-breakers - Part 1: General	EN 62146-1	2014
+ A1	2016		A1	2016
IEC 62155	2003	Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 000 V	EN 62155	2003
IEC 62271-1	2017	High-voltage switchgear and controlgear - Part 1: Common specifications for alternating current switchgear and controlgear	EN 62271-1	2017
+ A1	2021		A1	2021
IEC 62271-100	2021	High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers	EN IEC 62271-100	2021

**EN IEC 62146-2:2023 (E)**

IEC 62271-203	-	High-voltage switchgear and controlgear - EN IEC 62271-203 - Part 203: AC gas-insulated metal-enclosed switchgear for rated voltages above 52 kV	-
IEC Guide 109	-	Environmental aspects - Inclusion in electrotechnical product standards	-

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IEC 62146-2

Edition 1.0 2023-01

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Capacitors for high-voltage alternating current circuit-breakers –  
Part 2: TRV capacitors**

**Condensateurs pour disjoncteurs à courant alternatif haute tension –  
Partie 2: Condensateurs TTR**

<https://standards.iteh.ai/catalog/standards/sist/68f43cf2-1365-48b4-8179-8284568e78f3/sist-en-iec-62146-2-2023>

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

ICS 31.060; 31.060.70

ISBN 978-2-8322-6353-2

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**CAPACITORS FOR HIGH-VOLTAGE ALTERNATING  
CURRENT CIRCUIT-BREAKERS –**
**Part 2: TRV capacitors****FOREWORD**

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IEC 62146-2 has been prepared by IEC technical committee 33: Power capacitors and their applications. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
33/685/FDIS	33/686/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

This International Standard is to be used in conjunction with IEC 62146-1:2013 and IEC 62146-1:2013/AMD1:2016.

A list of all parts in the IEC 62146 series, published under the general title *Capacitors for high-voltage alternating current circuit-breakers*, can be found on the IEC website. The title of the series was changed in 2022 by decision of TC 33, and the title of IEC 62146-1 will be modified accordingly in its next edition.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](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.

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