



SLOVENSKI STANDARD SIST EN IEC 60358-4:2019

01-januar-2019

Nadomešča:
SIST HD 597 S1:2001

Sklopni kondenzatorji in kondenzatorski delilniki - 4. del: Enosmerni in izmenični enofazni kondenzatorski delilniki (IEC 60358-4:2018)

Coupling capacitors and capacitor dividers - Part 4: DC and AC single-phase capacitor dividers (IEC 60358-4:2018)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN IEC 60358-4:2019](https://standards.iteh.ai/catalog/standards/sist/5c254d3a-460e-4650-89b9-9277/sist-5c254d3a-460e-4650-89b9-9277/sist-en-iec-60358-4-2019)

<https://standards.iteh.ai/catalog/standards/sist/5c254d3a-460e-4650-89b9-9277/sist-5c254d3a-460e-4650-89b9-9277/sist-en-iec-60358-4-2019>

Ta slovenski standard je istoveten z: EN IEC 60358-4:2018

ICS:

31.060.99 Drugi kondenzatorji Other capacitors

SIST EN IEC 60358-4:2019 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN IEC 60358-4:2019](https://standards.iteh.ai/catalog/standards/sist/5c254d3a-460e-4650-89b9-2d3d64ef5fd7/sist-en-iec-60358-4-2019)

<https://standards.iteh.ai/catalog/standards/sist/5c254d3a-460e-4650-89b9-2d3d64ef5fd7/sist-en-iec-60358-4-2019>

EUROPEAN STANDARD

EN IEC 60358-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2018

ICS 29.120.99; 29.240.99; 31.060.70

Supersedes HD 597 S1:1992 (partially)

English Version

Coupling capacitors and capacitor dividers - Part 4: DC and AC single-phase capacitor dividers (IEC 60358-4:2018)

Condensateurs de couplage et diviseurs capacitifs - Partie 4: Diviseurs capacitifs monophasés pour courant alternatif ou pour courant continu
(IEC 60358-4:2018)

Kopplungskondensatoren und kapazitive Teiler - Teil 4: Einphasen-Spannungsteiler-Kondensatoren für Wechsel- oder Gleichstrom
(IEC 60358-4:2018)

This European Standard was approved by CENELEC on 2018-08-07. 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.

SIST EN IEC 60358-4:2019

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey 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 60358-4:2018 (E)**European foreword**

The text of document 33/616/FDIS, future edition 1 of IEC 60358-4, 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 60358-4:2018.

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) 2019-05-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-11-23

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 supersedes HD 597 S1:1992 (partially).

This European Standard is to be used in conjunction with the latest edition of EN 60358-1 and its amendments. It was established on the basis of the first edition (2012) of that standard.

This Part 4 supplements or modifies the corresponding clauses in EN 60358-1.

When a particular subclause of Part 1 is not mentioned in this Part 4, that subclause applies as far as is reasonable. Where this Part 4 states "addition" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

For additional clauses, subclauses, figures, tables or annexes, the following numbering system is used:

- subclauses, tables and figures which are additional to those in Part 1 are numbered starting from 400;
- additional tables and annexes are lettered AA, BB etc.;
- as the notes are integrated into the clauses, their numbering starts from 1 as usual.

Endorsement notice

The text of the International Standard IEC 60358-4:2018 was approved by CENELEC as a European Standard without any modification.

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.

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|---|--------------|-------------|
| IEC 60358-1 | 2012 | Coupling capacitors and capacitor dividers Part 1: General rules | EN 60358-1 | 2012 |
| + Corrigendum 1 | 2013 | | + AC | 2013 |

SIST EN IEC 60358-4:2019
<https://standards.iteh.ai/catalog/standards/sist/5c254d3a-460e-4650-89b9-2d3d64ef5fd7/sist-en-iec-60358-4-2019>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN IEC 60358-4:2019

<https://standards.iteh.ai/catalog/standards/sist/5c254d3a-460e-4650-89b9-2d3d64ef5fd7/sist-en-iec-60358-4-2019>



INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Coupling capacitors and capacitor dividers –
Part 4: DC or AC single-phase capacitor dividers**
(standards.itec.ai)

**Condensateurs de couplage et diviseurs capacitifs –
Partie 4: Diviseurs capacitifs monophasés pour courant alternatif ou pour
courant continu**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.120.99; 29.240.99; 31.060.70

ISBN 978-2-8322-5863-7

**Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.**

CONTENTS

| | |
|---|----|
| FOREWORD..... | 3 |
| INTRODUCTION..... | 5 |
| 1 Scope..... | 6 |
| 2 Normative references | 6 |
| 3 Terms and definitions | 6 |
| 4 Service conditions | 8 |
| 5 Ratings..... | 8 |
| 6 Design requirements..... | 8 |
| 7 Test conditions | 10 |
| 8 Classification of tests..... | 10 |
| 9 Routine tests | 10 |
| 10 Type tests | 12 |
| 11 Special tests..... | 12 |
| 12 Marking | 12 |
| Annex 4A (informative) Example of diagram of dividers..... | 13 |
| Figure 400 – Connection for voltage test on low voltage part..... | 11 |
| Figure 401 – Different types of dividers..... | 12 |
| Figure 4A.400 – Example of diagram of dividers | 13 |

[SIST EN IEC 60358-4:2019](https://standards.iteh.ai/catalog/standards/sist/5c254d3a-460e-4650-89b9-2d3d64ef5fd7/sist-en-iec-60358-4-2019)
<https://standards.iteh.ai/catalog/standards/sist/5c254d3a-460e-4650-89b9-2d3d64ef5fd7/sist-en-iec-60358-4-2019>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COUPLING CAPACITORS AND CAPACITOR DIVIDERS –

Part 4: DC or AC single-phase capacitor dividers

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60358-4 has been prepared by IEC technical committee 33: Power capacitors and their applications.

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

| FDIS | Report on voting |
|-------------|------------------|
| 33/616/FDIS | 33/617/RVD |

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all Parts in the IEC 60358 series, published under the general title *Coupling capacitors and capacitor dividers*, can be found on the IEC website.