SLOVENSKI STANDARD
SIST EN 60358-3:2014

01-julij-2014

Nadomešča:
SIST HD 597 S1:2001

Sklopni kondenzatorji in kondenzatorski delilniki - 3. del: Sklopni kondenzatorji za izmenični ali enosmerni tok za filtre harmonskih frekvenc (IEC 60358-3:2013)

Coupling capacitors and capacitor dividers - Part 3: AC or DC coupling capacitors for harmonic-filters applications

Ta slovenski standard je istoveten z: EN 60358-3:2014

ICS:

31.060.99	Drugi kondenzatorji	Other capacitors

SIST EN 60358-3:2014 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60358-3

March 2014

ICS 29.120.99; 29.240.99

Supersedes HD 597 S1:1992 (partially)

English version

Coupling capacitors and capacitor dividers - Part 3: AC or DC coupling capacitors for harmonic-filters applications

(IEC 60358-3:2013)

Condensateurs de couplage et diviseurs capacitifs - Partie 3: Condensateur de couplage à courant alternatif ou à courant continu pour des applications à filtres harmoniques
(CEI 60358-3:2013)

Kopplungskondensatoren und kapazitive Teiler – Teil 3: Kopplungskondensatoren für Wechsel- oder Gleichstrom als Oberwellenfilter
(IEC 60358-3:2013)

This European Standard was approved by CENELEC on 2014-01-01. 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 33/510/CDV, future edition 1 of IEC 60358-3, prepared by IEC/TC 33, "Power capacitors and their applications" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60358-3:2014.

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)	2014-10-01
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2017-01-01

This document supersedes HD 597 S1:1992 (partially).

This European Standard is to be used in conjunction with EN 60358-1:2012 and its amendments.

This Part 3 supplements or modifies the corresponding clauses in EN 60358-1:2012.

When a particular subclause of Part 1 is not mentioned in this Part 3, that subclause applies as far as is reasonable. Where this standard states “addition”, "modification" 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 300;
– additional tables or annexes are lettered AA, BB etc.
– as the notes are integrated into the clauses, their numbering starts from 1 as usual.

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

Endorsement notice

The text of the International Standard IEC 60358-3:2013 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60633	NOTE	Harmonized as EN 60633.

Annex ZA
(normative)
Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Replace Annex ZA of EN 60358-1:2012 with the following:

Publication	Year	Title	EN/HD	Year
IEC 60060-1	2010	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	2010
IEC 60060-2	-	High-voltage test techniques - Part 2: Measuring systems	EN 60060-2	-
IEC 60358-1 + corr. July	2012 2013	Coupling capacitors and capacitor dividers - Part 1: General rules	EN 60358-1 + AC:2013	2012 2013
IEC 60358-2	-	Coupling capacitors and capacitor dividers - Part 2: AC or DC single-phase coupling capacitor connected between line and ground for power line carrier-frequency (PLC) application	EN 60358-2	-
IEC 60481	-	Coupling devices for power line carrier systems	-	-
IEC 61869-5	-	Instrument transformers - Part 5: Additional requirements for capacitor voltage transformers	EN 61869-5	-

IEC 60358-3

Edition 1.0 2013-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Coupling capacitors and capacitor dividers – Part 3: AC or DC coupling capacitor for harmonic-filters applications

Condensateurs de couplage et diviseurs capacitifs – Partie 3: Condensateur de couplage à courant alternatif ou à courant continu pour des applications à filtres harmoniques

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COUPLING CAPACITORS AND CAPACITOR DIVIDERS –

Part 3: AC or DC coupling capacitor for harmonic-filters applications

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.
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International Standard IEC 60358-3 has been prepared by IEC technical committee 33: Power capacitors and their applications.

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

CDV	Report on voting
33/510/CDV	33/526/RVC

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

This publication 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.

This standard is Part 3 of IEC 60358, published under the general title Coupling capacitor and capacitor dividers.

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

This Part 3 supplements or modifies the corresponding clauses in IEC 60358-1:2012.

When a particular subclause of Part 1 is not mentioned in this Part 3, that subclause applies as far as is reasonable. When this standard states “addition”, “modification” 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:

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- additional tables or annexes are lettered AA, BB, etc.
- as the notes are integrated into the clauses, their numbering starts from 1 as usual.

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

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

IMPORTANT – The “colour inside” logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this publication using a colour printer.

INTRODUCTION

This series consists of the following parts:

IEC 60358-1:2012, *Coupling capacitor and capacitor dividers – Part 1: General rules*

IEC 60358-2:2013, *Coupling capacitor and capacitor dividers – Part 2: AC or DC single-phase coupling capacitor connected between line and ground for power line carrier-frequency (PLC) application*

IEC 60358-3:2013[1], *Coupling capacitor and capacitor dividers – Part 3: AC or DC coupling capacitor for harmonic-filters applications*

IEC 60358-4: –[2], *Coupling capacitor and capacitor dividers – Part 4: AC or DC single-phase capacitor-divider and RC-divider connected between line and ground* (except for CVTs which belong to IEC 61869 series)

1 To be published.

2 Under consideration.