

Ferrite cores - Guidelines on dimensions and the limits of surface irregularities - Part 2: Pot-cores for use in telecommunications, power supply, and filter applications

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN IEC 63093-2:2020 sisaldab Euroopa standardi EN IEC 63093-2:2020 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 63093-2:2020 consists of the English text of the European standard EN IEC 63093-2:2020.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 22.05.2020.	Date of Availability of the European standard is 22.05.2020.
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English Version

Ferrite cores - Guidelines on dimensions and the limits of  
surface irregularities - Part 2: Pot-cores for use in  
telecommunications, power supply, and filter applications  
(IEC 63093-2:2020)

Noyaux ferrites - Lignes directrices relatives aux  
dimensions et limites des irrégularités de surface - Partie 2:  
Circuits magnétiques en pots utilisés dans des applications  
de télécommunications, d'alimentation électrique et de filtre  
(IEC 63093-2:2020)

Ferritkerne - Richtlinien zu Maßen und Grenzen von  
Oberflächenbeschädigungen - Teil 2: Schalenkerne für die  
Verwendung in Telekommunikations-, Stromversorgungs-  
und Filteranwendungen  
(IEC 63093-2:2020)

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

## European foreword

The text of document 51/1299/CDV, future edition 1 of IEC 63093-2, prepared by IEC/TC 51 "Magnetic components, ferrite and magnetic powder materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63093-2:2020.

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) 2021-02-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-01

This document supersedes EN 62317-2:2010 and all of its amendments and corrigenda (if any).

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## Endorsement notice

The text of the International Standard IEC 63093-2:2020 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 62317-1      NOTE      Harmonized as EN 62317-1

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60205	-	Calculation of the effective parameters of magnetic piece parts	EN 60205	-
IEC 60401-1	-	Terms and nomenclature for cores made of magnetically soft ferrites - Part 1: Terms used for physical irregularities and reference of dimensions	-	-
IEC 60424-1	-	Ferrite cores - Guidelines on the limits of surface irregularities - Part 1: General specification	EN 60424-1	-

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FERRITE CORES – GUIDELINES ON DIMENSIONS  
AND THE LIMITS OF SURFACE IRREGULARITIES –****Part 2: Pot-cores for use in telecommunications,  
power supply, and filter applications**

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International Standard IEC 63093-2 has been prepared by technical committee 51: Magnetic components, ferrite and magnetic powder materials.

This first edition cancels and replaces the first edition of IEC 62317-2 published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition of IEC 62317-2:

- a) addition of the limits of surface irregularities;
- b) Table 4 and Table 5 are updated in accordance with IEC 60205:2016.



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

CDV	Report on voting
51/1299/CDV	51/1322/RVC

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 of the IEC 63093 series, published under the general title *Ferrite cores – Guidelines on dimensions and the limits of surface irregularities*, can be found on the IEC website.

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.