

SLOVENSKI STANDARD SIST EN 62317-6:2016

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Feritna jedra - Mere - 6. del: ETD-jedra za uporabo v napajalnikih

Ferrite cores - Dimensions - Part 6: ETD-cores for use in power supplies

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Noyaux ferrites - Dimensions - Partie 6: Noyaux ETD destinés à être utilisés dans des alimentations (standards.iteh.al)

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Magnetic components

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EN 62317-6:2016

European foreword

The text of document 51/1105/FDIS, future edition 1 of IEC 62317-6, prepared by IEC/TC 51 "Magnetic components and ferrite materials" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62317-6:2016.

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)	2016-10-08
•	latest date by which the national standards conflicting with the	(dow)	2019-01-08

document have to be withdrawn

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FERRITE CORES – DIMENSIONS –

Part 6: ETD-cores for use in power supplies

FOREWORD

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International Standard IEC 62317-6 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

This first edition cancels and replaces the second edition of IEC 61185 published in 2005. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) Changed dimension A of ETD 54 core.

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

FDIS	Report on voting
51/1105/FDIS	51/1120/RVD

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 62317 series, published under the general title *Ferrite cores – Dimensions*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website 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.

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FERRITE CORES – DIMENSIONS –

Part 6: ETD-cores for use in power supplies

1 Scope

This part of IEC 62317 specifies the dimensions that are of importance for mechanical interchangeability for ETD-cores made of ferrite, the essential dimensions of coil formers to be used with them, and the effective parameter values to be used in calculations involving them.

The use of "derived" standards which give more detailed specifications of component parts while still permitting compliance with this standard is discussed in Annex A, which also contains an example of a derived standard for coil formers.

2 Normative references

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.

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3.1 General

Compliance with the following requirements ensures the mechanical interchangeability of complete assemblies and coil formers.

3.2 Dimensions of ETD-cores

3.2.1 Principal dimensions

The principal dimensions of ETD-cores shall be as given in Figure 1 and Table 1.

The dimensions of the cores may be checked by means of gauges. By way of example, a possible standard for these gauges is given in Annex B. In order to facilitate production it may be necessary to use gauges having dimensions differing from those given in Annex B, although no relaxation of the requirements for the dimensions of the cores given in Table 1 is permitted.