SLOVENSKI STANDARD
SIST EN 62317-13:2008

01-september-2008

Feritna jedra - Mere - 13. del: Jedra PQ za uporabo v napajalnikih (IEC 62317-13:2008)

Ferrite cores - Dimensions - Part 13: PQ-cores for use in power supply applications (IEC 62317-13:2008)

Ferritkerne - Maße - Teil 13: PQ-Kerne für den Einsatz in Netzteilen (IEC 62317-13:2008)

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Noyaux de ferrite - Dimensions - Partie 13: Noyaux PQ utilisés dans des applications d'alimentation électrique (CEI 62317-13:2008)

SIST EN 62317-13:2008
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Ta slovenski standard je istoveten z: **EN 62317-13:2008**

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29.100.10	Magnetne komponente	Magnetic components

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2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 62317-13

June 2008

ICS 29.100.10

English version

Ferrite cores - Dimensions - Part 13: PQ-cores for use in power supply applications

(IEC 62317-13:2008)

Noyaux ferrites -
Dimensions -
Partie 13: Noyaux PQ utilisés
dans des applications
d'alimentation électrique
(CEI 62317-13:2008)

Ferritkerne -
Maße -
Teil 13: PQ-Kerne
für den Einsatz in Netzteilen
(IEC 62317-13:2008)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in two official versions (English and 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 Central Secretariat has the same status as the official versions.

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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SIST EN 62317-13:2008

Foreword

The text of document 51/910/FDIS, future edition 1 of IEC 62317-13, prepared by IEC TC 51, Magnetic components and ferrite materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62317-13 on 2008-05-01.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2009-02-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2011-05-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62317-13:2008 was approved by CENELEC as a European Standard without any modification.

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60205	- [1)]	Calculation of the effective parameters of magnetic piece parts	EN 60205	2006 [2)]
IEC 62317-1	- [1)]	Ferrite cores - Dimensions - Part 1: General specification	EN 62317-1	2007 [2)]

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[1)] Undated reference.

[2)] Valid edition at date of issue.

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INTERNATIONAL STANDARD

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FERRITE CORES – DIMENSIONS –

Part 13: PQ-cores for use in power supply applications

FOREWORD

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International Standard IEC 62317-13 has been prepared IEC technical committee 51: Magnetic components and ferrite materials.

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

FDIS	Report on voting
51/910/FDIS	51/925/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 of the IEC 62317 series, under the general title *Ferrite cores – Dimensions*, can be found on the IEC website.

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The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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.

A bilingual version of this standard may be issued at a later date.

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FERRITE CORES – DIMENSIONS –

Part 13: PQ-cores for use in power supply applications

1 Scope

This part of IEC 62317 specifies the dimensions that are of importance for mechanical interchangeability for a preferred range of PQ-cores and low-profile PQI-cores made of ferrite, and the locations of their terminal pins on a 2,54 mm printed wiring grid in relation to the base outlines of the cores.

The selection of core sizes for this standard is based on the philosophy of including those sizes which are industrial standards, either by inclusion in a national standard, or by broad-based use in industry. See IEC 62317-1 for more detail concerning the philosophy of selecting core sizes to be included.

The general considerations that the design of this range of cores is based upon are given in Annex A.

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2 Normative references

The following referenced documents are indispensable for the application 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.

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IEC 60205, *Calculation of the effective parameters of magnetic piece parts*

IEC 62317-1, *Ferrite cores – Dimensions – Part 1: General specification*

3 Primary standards

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

3.1 Dimensions of PQ-cores

3.1.1 Principal dimensions

The principal dimensions of PQ-cores shall be as given in Table 1 and the low-profile PQ-cores shall be as given in Table 2. See also Figures 1 and 2.

NOTE 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 and in Table 2 is permitted.

3.1.2 Effective parameter and A_{min} values

The effective parameter values for cores having the dimensions given in 3.1.1 are as shown in Table 3 and Table 4.