



# SLOVENSKI STANDARD

## SIST EN 62317-13:2016

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**Feritna jedra - Mere - 13. del: Jedra PQ za uporabo v napajalnikih**

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

Ferritkerne - Maße - Teil 13: PQ-Kerne für den Einsatz in Netzteilen

Noyaux ferrites - Dimensions - Partie 13: Noyaux PQ utilisés dans des applications d'alimentation électrique

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**Ta slovenski standard je istoveten z: EN 62317-13:2015**

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**ICS:**

29.100.10      Magnetne komponente      Magnetic components

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EUROPEAN STANDARD

**EN 62317-13**

NORME EUROPÉENNE

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December 2015

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English Version

**Ferrite cores - Dimensions - Part 13: PQ-cores for use in power supply applications  
(IEC 62317-13:2015)**

Noyaux ferrites - Dimensions - Partie 13: Noyaux PQ  
utilisés dans des applications d'alimentation électrique  
(IEC 62317-13:2015)

Ferritkerne - Maße - Teil 13: PQ-Kerne für den Einsatz in  
Netzteilen  
(IEC 62317-13:2015)

This European Standard was approved by CENELEC on 2015-09-24. 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.

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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**

**EN 62317-13:2015****European foreword**

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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) 2016-06-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-09-24

This document supersedes EN 62317-13:2008.

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The text of the International Standard IEC 62317-13:2015 was approved by CENELEC as a European Standard without any modification.

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

IEC 60205:2006	NOTE	Harmonized as EN 60205:2006 (not modified).
IEC 62317-1	NOTE	Harmonized as EN 62317-1.



# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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

**Noyaux ferrites – Dimensions –**  
**Partie 13: Noyaux PQ utilisés dans des applications d'alimentation électrique**

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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 by technical committee 51: Magnetic components and ferrite materials.

This second edition cancels and replaces the first edition published in 2008. This edition constitutes a technical revision.

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

- a) addition of three core sizes (PQ 65/54, PQ 78/39 and PQ 107/87) in Table 1,
- b) addition of effective parameter and  $A_{\min}$  values, of main dimensions of coil formers and of gauge dimensions for PQ-cores for PQ 65/54, PQ 78/39 and PQ 107/87.

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

FDIS	Report on voting
51/1095/FDIS	51/1104/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.

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
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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.

NOTE 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.

#### 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.

Void.

#### 3 Primary standards

##### 3.1 General

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

##### 3.2 Dimensions of PQ-cores

###### 3.2.1 Principal dimensions

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

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, although no relaxation of the requirements for the dimensions of the cores given in Table 1 and in Table 2 is permitted.

###### 3.2.2 Effective parameter and $A_{\min}$ values

The effective parameter values for cores having the dimensions given in 3.2.1 are as shown in Table 3 and Table 4.