



**SLOVENSKI STANDARD
SIST EN IEC 61333:2021**

01-junij-2021

**Nadomešča:
SIST EN 61333:2002**

Označevanje feritnih jeder

Marking on ferrite cores

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Ta slovenski standard je istoveten z: EN IEC 61333:2019

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ICS:

29.100.10 Magnetne komponente Magnetic components

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en

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EUROPEAN STANDARD

EN IEC 61333

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2019

ICS 29.035; 29.100.10

Supersedes EN 61333:1998 and all of its amendments
and corrigenda (if any)

English Version

**Marking on ferrite cores
(IEC 61333:2019)**Marquage des noyaux ferrites
(IEC 61333:2019)Kennzeichnung von Ferritkernen
(IEC 61333:2019)

This European Standard was approved by CENELEC on 2019-09-03. 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: Rue de la Science 23, B-1040 Brussels

EN IEC 61333:2019 (E)**European foreword**

The text of document 51/1247/CDV, future edition 2 of IEC 61333, 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 61333:2019.

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) 2020-06-03
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-09-03

This document supersedes EN 61333:1998 and all of its amendments and corrigenda (if any).

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The text of the International Standard IEC 61333:2019 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 60062 NOTE Harmonized as EN 60062



IEC 61333

Edition 2.0 2019-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Marking on ferrite cores **STANDARD PREVIEW**
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Marquage des noyaux ferrites

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COMMISSION

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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	5
4 Marking locations	5
5 Marking content.....	7
5.1 General.....	7
5.2 Material identification code	7
5.3 A_L value or gap length	7
Bibliography.....	9
Figure 1 – Examples of marking locations for U-cores.....	5
Figure 2 – Examples of marking locations for E-cores.....	6
Figure 3 – Examples of marking locations for ring-cores	6
Figure 4 – Examples of marking locations for planar-cores	6
Figure 5 – Examples of marking locations for RM-cores.....	6
Figure 6 – Examples of marking locations for PQ-cores	7
Figure 7 – Examples of marking locations for pot-cores	7
Table 1 – Examples of the coding of the A_L value.....	8
Table 2 – Examples of coding of the gap length.....	8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MARKING ON FERRITE CORES

FOREWORD

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International Standard IEC 61333 has been prepared by IEC technical committee 51: Magnetic components, ferrite and magnetic powder materials.

This second edition cancels and replaces the first edition published in 1996. This edition constitutes a technical revision.

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

- a) the title of the document was changed;
- b) the scope of this document was expanded;
- c) the marking position instructions for ring cores, planar cores, RM-cores, PQ-cores and pot-cores were added in Clause 4 with a few additional descriptions;
- d) the four-digit-maximum limit of material identification code has been deleted in 5.2;
- e) in Table 1, the unit of A_L has been changed from "nH" to "nH/N²".

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

CDV	Report on voting
51/1247/CDV	51/1290/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.

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.

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MARKING ON FERRITE CORES

1 Scope

This document specifies marking locations and a coding system of marking on ferrite cores. An alphanumerical marking printed or attached to cores reduces the risk of incorrect assembly, mixing of materials and/or mixing of gapped cores on an assembly line. The markings of the inductance factor A_L value or of the gap length are especially important to avoid this kind of problem, and their coding system is specified in this document.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Marking locations

The recommended marking locations for the various core shapes are indicated in Figure 1 to Figure 7:

- the shaded parts in Figures 1 to 7 represent the marking locations;
- the marking locations of ETD-, EER-, EC-, EFD- and EP-cores refer to the E-core.

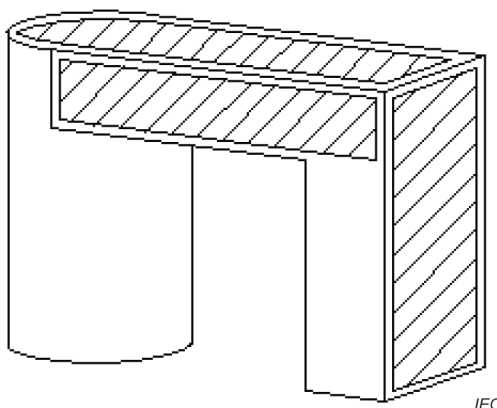


Figure 1 – Examples of marking locations for U-cores

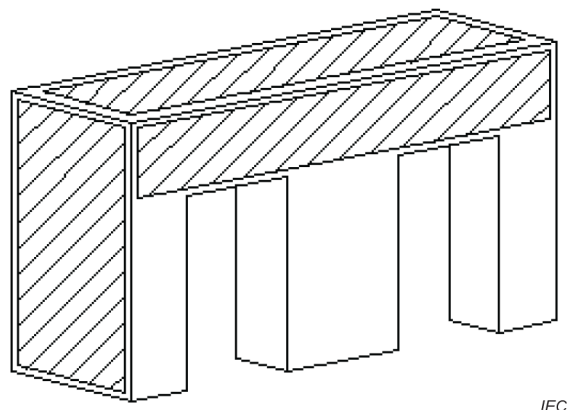
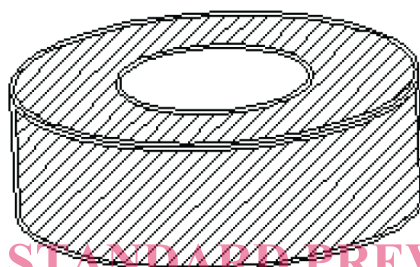


Figure 2 – Examples of marking locations for E-cores



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Figure 3 – Examples of marking locations for ring-cores

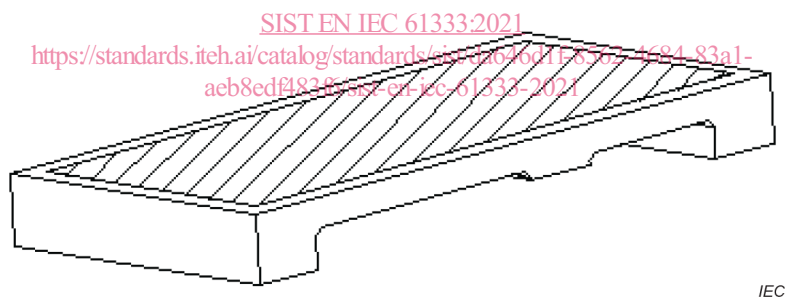


Figure 4 – Examples of marking locations for planar-cores

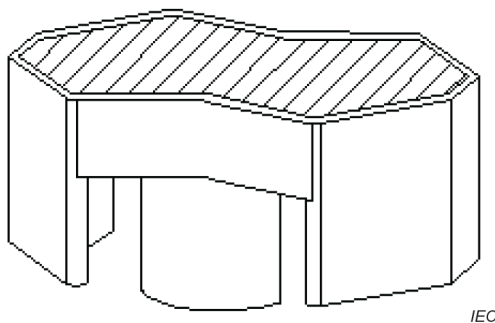


Figure 5 – Examples of marking locations for RM-cores