



SLOVENSKI STANDARD

SIST EN 60424-4:2002

01-september-2002

Ferrite cores - Guide on the limits of surface irregularities - Part 4: Ring cores (IEC 60424-4:2001)

Ferrite cores - Guide on the limits of surface irregularities -- Part 4: Ring cores

Ferritkerne - Leitfaden für Grenzwerte von sichtbaren Beschädigungen der Kernoberfläche -- Teil 4: Ringkerne

Noyaux ferrites - Guide relatif aux limites des irrégularités de surface -- Partie 4: Noyaux toriques

iTeh STANDARD PREVIEW

(standards.iteh.ai)

SIST EN 60424-4:2002

Ta slovenski standard je istoveten z: EN 60424-4:2001

<https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-6c6177c9b190/sist-en-60424-4-2002>

ICS:

29.100.10 Magnetne komponente Magnetic components

SIST EN 60424-4:2002

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60424-4:2002

<https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-dcb177e9bf90/sist-en-60424-4-2002>

EUROPEAN STANDARD

EN 60424-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2001

ICS 29.100.10

English version

**Ferrite cores -
Guide on the limits of surface irregularities
Part 4: Ring cores
(IEC 60424-4:2001)**

Noyaux ferrites -
Guide relatif aux limites
des irrégularités de surface
Partie 4: Noyaux toriques
(CEI 60424-4:2001)

Ferritkerne -
Leitfaden für Grenzwerte
von sichtbaren Beschädigungen
der Kernoberfläche
Teil 4: Ringkerne
(IEC 60424-4:2001)

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN 60424-4:2002](https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-dcb177e9bf90/sist-en-60424-4-2002)

<https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-dcb177e9bf90/sist-en-60424-4-2002>

This European Standard was approved by CENELEC on 2001-03-01. 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.

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 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Foreword

The text of document 51/579/FDIS, future edition 1 of IEC 60424-4, 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 60424-4 on 2001-03-01.

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) 2001-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-03-01

Annexes designated "normative" are part of the body of the standard.

In this standard, annex ZA is normative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60424-4:2001 was approved by CENELEC as a European Standard without any modification.

(standards.iteh.ai)

SIST EN 60424-4:2002

<https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-dcb177e9bf90/sist-en-60424-4-2002>

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60424-1	1999	Ferrite cores - Guide on the limits of surface irregularities Part 1: General specification	EN 60424-1	1999

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 60424-4:2002](https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-dcb177e9bf90/sist-en-60424-4-2002)

<https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-dcb177e9bf90/sist-en-60424-4-2002>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60424-4:2002

<https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-dcb177e9bf90/sist-en-60424-4-2002>

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60424-4

Première édition
First edition
2001-02

**Noyaux ferrites –
Guide relatif aux limites des irrégularités
de surface –**

**Partie 4:
Noyaux toriques**

ITC STANDARD PREVIEW
(standards.iteh.ai)

**Ferrite cores –
Guide on the limits of surface irregularities –**

**Part 4:
Ring-cores**

<https://standards.iteh.ai/catalog/standards/sist/8a3601d7-9d0a-421a-b695-dcb177e9bf90/sist-en-60424-4-2002>

© IEC 2001 Droits de reproduction réservés — Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

International Electrotechnical Commission
Telefax: +41 22 919 0300

3, rue de Varembé Geneva, Switzerland
e-mail: inmail@iec.ch IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

F

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

CONTENTS

FOREWORD	5
1 Scope	7
2 Normative references	7
3 Limits of surface irregularities	7
3.1 Uncoated ring-cores.....	7
3.1.1 Chips and ragged edges (see figure 1).....	7
3.1.2 Cracks and pull-out (see figure 2)	9
3.2 Coated ring-cores	9
3.3 Area and length reference (see table 1)	11
Figure 1 – Chips and ragged edges location on ring-cores	9
Figure 2 – Cracks and pull-out location on ring-cores	9
Table 1 – Area and length reference for visual inspection.....	11

ITEH STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60424-4:2002

<https://standards.iteh.ai/catalog/standards/sist/8a360fd7-9d0a-42fa-b695-dcb177e9bf90/sist-en-60424-4-2002>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

FERRITE CORES –
GUIDE ON THE LIMITS OF SURFACE IRREGULARITIES –

Part 4: Ring-cores

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60424-4 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

This bilingual version (2001-09) replaces the English version.

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

FDIS	Report on voting
51/579/FDIS	51/586/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.

The committee has decided that the contents of this publication will remain unchanged until 2005. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.