

SLOVENSKI STANDARD
SIST EN 62025-1:2007**01-november-2007****BUXca Yý U**
SIST EN 62025-1:2004

J]gc_cZ_Y_j Yb bY]bXi _hj bY_ca dcbYbhY'ÈBYY_Y_f] bY_UfU_hf]gh_Y]b'a Yf]bY
a YrcXY'È%'XY.:]_gb]ždcj fý]bg_c'df]hf^Yb]bXi _hcf^]nUi dcfUvc]j`YY_hfcbg_]b
hYY_ca i b]_UW]g_]cdfYa]f197 * &\$&!%&\$+Ł

High frequency inductive components - Non-electrical characteristics and measuring methods -- Part 1: Fixed, surface mounted inductors for use in electronic and telecommunication equipment (IEC 62025-1:2007)

Induktive Hochfrequenzbauelemente - Nicht elektrische Eigenschaften und Messmethoden - Teil 1: Oberflächenmontierbare Festinduktivitäten für den Einsatz in Elektronik und Telekommunikationsgeräten (IEC 62025-1:2007)

Composants inductifs a haute fréquence - Caractéristiques non électriques et méthodes de mesure -- Partie 1: Inductances fixes pour montage en surface utilisées dans les matériels électroniques et les équipements de télécommunications (IEC 62025-1:2007)

Ta slovenski standard je istoveten z: EN 62025-1:2007

ICS:

29.100.10 Magnetne komponente Magnetic components

SIST EN 62025-1:2007 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 62025-1:2007

<https://standards.iteh.ai/catalog/standards/sist/c31f7a95-ab93-4b51-a2f3-6f639a07904c/sist-en-62025-1-2007>

English version

**High frequency inductive components -
Non-electrical characteristics and measuring methods -
Part 1: Fixed, surface mounted inductors for use in electronic
and telecommunication equipment
(IEC 62025-1:2007)**

Composants inductifs à haute fréquence -
Caractéristiques non électriques
et méthodes de mesure -
Partie 1: Inductances fixes pour montage
en surface utilisées dans les matériels
électroniques et les équipements de
télécommunications
(CEI 62025-1:2007)

Induktive Hochfrequenzbauelemente -
Nicht elektrische Eigenschaften
und Messmethoden -
Teil 1: Oberflächenmontierbare
Festinduktivitäten
für den Einsatz in Elektronik
und Telekommunikationsgeräten
(IEC 62025-1:2007)

<https://standards.iteh.ai/catalog/standards/sist/c31f7a95-ab93-4b51-a2f3-6f639a07904c/sist-en-62025-1-2007>

This European Standard was approved by CENELEC on 2007-06-01. 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 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 51/883/FDIS, future edition 2 of IEC 62025-1, 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 62025-1 on 2007-06-01.

This European Standard supersedes EN 62025-1:2002.

This European Standard includes the following significant technical changes with respect to EN 62025-1:2002:

- nomenclature of dimensions in Figure 1 has been changed;
- a new Table 1, Letter code for inductance values, has been added;
- dimensions for shapes in Table 2 and Table 5 have been added;
- new operating temperature ratings in Table 9 have been added.

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) 2008-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-06-01

Annex ZA has been added by CENELEC.

SIST EN 62025-1:2007

<https://standards.iteh.ai/catalog/standards/sist/c31f7a95-ab93-4b51-a2f3-6f637a07904c/sist-en-62025-1-2007>

Endorsement notice

The text of the International Standard IEC 62025-1:2007 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 62211 NOTE Harmonized as EN 62211:2004 (not modified).

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61605	2005	Fixed inductors for use in electronic and telecommunication equipment - Marking codes	EN 61605	2005

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 62025-1:2007](https://standards.iteh.ai/catalog/standards/sist/c31f7a95-ab93-4b51-a2f3-6f639a07904c/sist-en-62025-1-2007)

<https://standards.iteh.ai/catalog/standards/sist/c31f7a95-ab93-4b51-a2f3-6f639a07904c/sist-en-62025-1-2007>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 62025-1:2007

<https://standards.iteh.ai/catalog/standards/sist/c31f7a95-ab93-4b51-a2f3-6f639a07904c/sist-en-62025-1-2007>

INTERNATIONAL STANDARD

IEC 62025-1

Second edition
2007-05

High frequency inductive components – Non-electrical characteristics and measuring methods –

Part 1:

Fixed, surface mounted inductors for use in electronic and telecommunication equipment (standards.iteh.ai)

SIST EN 62025-1:2007

<https://standards.iteh.ai/catalog/standards/sist/c31f7a95-ab93-4b51-a2f3-6f639a07904c/sist-en-62025-1-2007>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

M

For price, see current catalogue

CONTENTS

FOREWORD.....	3
1 Scope and object.....	5
2 Normative references	5
3 Graphical symbols and designations.....	5
3.1 Designation	5
4 Shape.....	7
5 Dimensions	8
5.1 Shape D.....	8
5.2 Shape K	9
5.3 Tolerances for outline dimensions	9
6 Ratings and characteristics	10
6.1 Nominal inductance or impedance.....	10
6.2 Tolerance for nominal inductance or impedance.....	10
6.3 Operating temperature range.....	10
7 Marking	12
8 Direction marking or shape of polarity	12
iTeh STANDARD PREVIEW	
(standards.iteh.ai)	
Bibliography.....	13
SIST EN 62025-1:2007	
Table 1 – Letter code for inductance value.....	6
Table 2 – Dimensions for shape D.....	8
Table 3 – Dimensions of height for shape D (R 20 series).....	8
Table 4 – Dimensions of height for shape D less than 1,00 mm	9
Table 5 – Dimensions for shape K	9
Table 6 – Tolerances for outline dimension and height.....	10
Table 7 – E 24 series for nominal inductance or impedance.....	10
Table 8 – Tolerance for nominal inductance or impedance.....	10
Table 9 – Temperatures to be selected for operating temperature ranges	11
Table 10 – User reference / Examples of application and operating temperature range.....	11
Figure 1 – Shapes of inductor and ferrite beads (examples).....	7

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HIGH FREQUENCY INDUCTIVE COMPONENTS –
NON-ELECTRICAL CHARACTERISTICS AND MEASURING METHODS –****Part 1: Fixed, surface mounted inductors for use in electronic and
telecommunication equipment**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. 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 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 IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with an IEC Publication.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 62025-1 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

This second edition cancels and replaces the first edition published in 2002. This edition constitutes a technical revision.

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

- nomenclature of dimensions in Figure 1 has been changed;
- a new Table 1, Letter code for inductance values, has been added;
- dimensions for shapes in Table 2 and Table 5 have been added;
- new operating temperature ratings in Table 9 have been added.