SLOVENSKI STANDARD
SIST EN 61021-1:2002

01-september-2002

Laminated core packages for transformers and inductors for use in telecommunication and electronic equipment - Part 1: Dimensions (IEC 61021-1:1990)

Laminated core packages for transformers and inductors used in telecommunication and electronic equipment -- Part 1: Dimensions

Kernblechpakete für Transformatoren und Drosseln für nachrichtentechnische und elektronische Einrichtungen -- Teil 1: Maße

Noyaux en tôles découpées pour transformateurs et inductances destinés aux équipements électroniques et de télécommunications -- Partie 1: Dimensions

Ta slovenski standard je istoveten z: **EN 61021-1:1997**

ICS:

29.100.10	Magnetne komponente	Magnetic components
29.180	Transformatorji. Dušilke	Transformers. Reactors

SIST EN 61021-1:2002 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61021-1

April 1997

ICS 29.100.10; 29.180

Descriptors: Transformers and inductors, telecommunication and electronic equipment, laminated core packages, dimensions, tolerance

English version

Laminated core packages for transformers and inductors used in telecommunication and electronic equipment
Part 1: Dimensions
(IEC 1021-1:1990)

Noyaux en tôles découpées pour transformateurs et inductances destinés aux équipements électroniques et de télécommunications
Partie 1: Dimensions
(CEI 1021-1:1990)

Kernblechpakete für Transformatoren und Drosseln für nachrichtentechnische und elektronische Einrichtungen
Teil 1: Maße
(IEC 1021-1:1990)

This European Standard was approved by CENELEC on 1997-03-11. 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.

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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

Foreword

The text of the International Standard IEC 1021-1:1990, prepared by IEC TC 51, Magnetic components and ferrite materials, was submitted to the formal vote and was approved by CENELEC as EN 61021-2 on 1997-03-11 without any modification.

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) 1997-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1997-12-01

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 1021-1:1990 was approved by CENELEC as a European Standard without any modification.

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.

Publication	Year	Title	EN/HD	Year
IEC 50(901)	1973	International Electrotechnical Vocabulary (IEV) Chapter 901: Magnetism	-	-
IEC 50(901B)	1978	Second supplement	-	-
IEC 740	1982	Laminations for transformers and inductors for use in telecommunication and electronic equipment	-	-

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Première édition
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Noyaux en tôles découpées pour transformateurs et inductances destinés aux équipements électroniques et de télécommunications

Première partie:
Dimensions

Laminated core packages for transformers and inductors used in telecommunication and electronic equipment

Part 1:
Dimensions

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LAMINATED CORE PACKAGES FOR TRANSFORMERS AND INDUCTORS USED IN TELECOMMUNICATION AND ELECTRONIC EQUIPMENT

Part 1: Dimensions

FOREWORD

1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

This standard has been prepared by IEC Technical Committee No. 51: Magnetic components and ferrite materials.

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

Six Months' Rule	Report on Voting
51(CO)266	51(CO)273

Full information on the voting for the approval of this standard can be found in the Voting Report indicated in the above table.

The following IEC publications are quoted in this standard:

Publications Nos. 50(901) (1973): International Electrotechnical Vocabulary (IEV), Chapter 901: Magnetism.

50(901B) (1978): Second supplement.

740 (1982): Laminations for transformers and inductors for use in telecommunication and electronic equipment.

LAMINATED CORE PACKAGES FOR TRANSFORMERS AND INDUCTORS USED IN TELECOMMUNICATION AND ELECTRONIC EQUIPMENT

Part 1: Dimensions

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1 Scope

This Part 1 of the standard specifies the dimensions, with their associated tolerances, of a range of laminated core packages using YEE 2 laminations, both in their standard configuration and for assemblies using two larger E parts.

NOTE - Laminated cores are normally constructed from laminations made from material of the composition corresponding to the designation C22, E1, E3, E4 or F1 (see Table I of IEC Publication 740).

2 Definitions

2.1 *General terms*

For definitions of the general terms used, reference should be made to IEC Publication 50(901) and its supplement 50(901B).

For the purpose of this standard, the following definition applies:

2.2 **laminated core package:** A magnetic core in two parts, each made up of laminations suitably jointed together for assembly within a coil.

NOTE - When required, an air gap may be introduced, preferably in the centre limb of one part.

3 Laminations

3.1 *Lamination shape*

For the purpose of this standard, the laminations shall conform to the dimensions of IEC type YEE 2 laminations specified in Table XI of IEC Publication 740. However, in addition to the standard configuration using the combination of larger and smaller E laminations to form a complete magnetic circuit as shown in Figure 1, page 9, the range of specified cores also includes provision for combining pairs of the larger E laminations (see Figure 2, page 11).