



# SLOVENSKI STANDARD

## SIST EN 61248-3:2002

01-september-2002

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**Transformers and inductors for use in telecommunication and electronic equipment - Part 3: Sectional specification for power transformers on the basis of the capability approval procedure (IEC 61248-3:1996)**

Transformers and inductors for use in electronic and telecommunication equipment -- Part 3: Sectional specification for power transformers on the basis of the capability approval procedure

Transformatoren und Drosseln für elektronische und nachrichtentechnische Einrichtungen -- Teil 3: Rahmenspezifikation für Leistungstransformatoren mit Befähigungsanerkennung

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Transformateurs et inductances destinés aux équipements électroniques et de télécommunications -- Partie 3: Spécification intermédiaire pour les transformateurs de puissance sur la base de la procédure de l'agrément de savoir-faire

**Ta slovenski standard je istoveten z: EN 61248-3:1997**

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**ICS:**

29.180      Transformatorji. Dušilke      Transformers. Reactors

**SIST EN 61248-3:2002**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61248-3**

August 1997

ICS 29.180

Descriptors: Power transformers, sectional specification, capability approval, preparation of the detail specification, inspection requirements, detail specification

English version

**Transformers and inductors for use in electronic and  
telecommunication equipment**  
**Part 3: Sectional specification for power transformers on the basis  
of the capability approval procedure**  
(IEC 61248-3:1996)

Transformateurs et inductances  
destinés aux équipements électroniques  
et de télécommunications  
Partie 3: Spécification intermédiaire  
pour les transformateurs de puissance  
sur la base de la procédure de  
l'agrément de savoir-faire  
(CEI 61248-3:1996)

Transformatoren und Drosseln für  
elektronische und nachrichtentechnische  
Einrichtungen  
Teil 3: Rahmenspezifikation für  
Leistungstransformatoren mit  
Befähigungsanerkennung  
(IEC 61248-3:1996)

This European Standard was approved by CENELEC on 1997-07-01. 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, 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 the International Standard IEC 61248-3:1996, prepared by IEC TC 51, Magnetic components and ferrite materials, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 61248-3 on 1997-07-01 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) 1998-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1998-06-01

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.

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### Endorsement notice

The text of the International Standard IEC 61248-3:1996 was approved by CENELEC as a European Standard without any modification.

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## 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 Guide 102	1989	Electronic components - Specification structures for quality assessment (Qualification approval and capability approval)	-	-
IEC QC 001001	1986	Basic rules of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-
A2	1994		-	-
IEC QC 001002	1986	Rules of procedure of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-
A2	1994		-	-
IEC QC 001004	-	Specifications list	-	-
QC 001005	-	Register of firms, products and services approved under the IECQ System, including ISO 9000	-	-
IEC 60068-2-6	1982	Basic environmental testing procedures Part 2: Tests - Test Fc and guidance: Vibration (Sinusoidal)	HD 323.2.6 S2 <sup>1)</sup>	1988
IEC 60068-2-14	1984	Part 2: Tests - Test N: Change of temperature		
+ A1	1986		HD 323.2.14 S2	1987
IEC 60068-2-20	1979	Part 2: Tests - Test T: Soldering		
+ A2	1987		HD 323.2.20 S3	1988
IEC 60068-2-21	1983	Part 2: Tests - Test U: Robustness of terminations and integral mounting devices	EN 60068-2-21 <sup>2)</sup>	1997
A2	1991		A2	1997
A3	1992		A3	1997

1) HD 323.2.6 S2 is superseded by EN 60068-2-6:1995, which is based on IEC 60068-2-6:1995.

2) EN 60068-2-21 includes the corrigendum November 1991 and A1:1985 to IEC 60068-2-21.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-27	1987	Part 2: Tests - Test Ea and guidance: Shock	EN 60068-2-27	1993
IEC 60068-2-29	1987	Part 2: Tests - Test Eb and guidance: Bump	EN 60068-2-29 <sup>3)</sup>	1993
IEC 60410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 61007 (mod)	1994	Transformers and inductors for use in electronic and telecommunication equipment - Measuring methods and test procedures	EN 61007	1997
IEC 61248-1	1996	Transformers and inductors for use in electronic and telecommunication equipment Part 1: Generic specification	EN 61248-1	1997
ISO 128	1982	Technical drawings - General principles of presentation	-	-
ISO 129	1985	Technical drawings - Dimensioning General principles, definitions, methods of execution and special indications	-	-

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3) EN 60068-2-29 includes a corrigendum to IEC 60068-2-29.

**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC  
1248-3**  
QC 260200

Première édition  
First edition  
1996-06

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**Transformateurs et inductances destinés  
aux équipements électroniques et de  
télécommunications –**

**Partie 3:  
Spécification intermédiaire pour les  
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**Transformers and inductors for use in electronic  
and telecommunication equipment –**

**Part 3:  
Sectional specification for power transformers on  
the basis of the capability approval procedure**

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International Electrotechnical Commission  
Международная Электротехническая Комиссия

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For price, see current catalogue

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TRANSFORMERS AND INDUCTORS FOR USE IN ELECTRONIC  
AND TELECOMMUNICATION EQUIPMENT –**
**Part 3: Sectional specification for power transformers  
on the basis of the capability approval procedure**

## 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 cooperation 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.
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- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 1248-3 has been prepared by IEC technical committee 51: Magnetic components and ferrite materials.

This standard is intended for use in the IEC Quality Assessment System for Electronic Components (IECQ).

The operation of the IECQ is governed by IEC QC 001001 and IEC QC 001002. Specifications written for components assessed under this scheme, and their use in the scheme, are the subject of IEC Guide 102.

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

FDIS	Report on voting
51/400/FDIS	51/429/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.

The QC number that appears on the front cover of this publication is the specification number in the IECQ System.