



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60740-1:2005**

ICS 29.100.10

**LAMINATIONS FOR TRANSFORMERS AND  
INDUCTORS -- PART 1: MECHANICAL AND  
ELECTRICAL CHARACTERISTICS**

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EUROPEAN STANDARD

**EN 60740-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2005

ICS 29.100.10

English version

**Laminations for transformers and inductors**  
**Part 1: Mechanical and electrical characteristics**  
(IEC 60740-1:2005)

Tôles découpées pour transformateurs  
et inductances  
Partie 1: Caractéristiques électriques  
et mécaniques  
(CEI 60740-1:2005)

Kernbleche für Transformatoren  
und Drosseln  
Teil 1: Mechanische und elektrische  
Eigenschaften  
(IEC 60740-1:2005)

This European Standard was approved by CENELEC on 2005-08-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 51/823/FDIS, future edition 1 of IEC 60740-1, 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 60740-1 on 2005-08-01.

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) | 2006-05-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn   | (dow) | 2008-08-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60740-1:2005 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 61797-1	NOTE	Harmonized as EN 61797-1:1996 (not modified).
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## 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 Where 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 60050-221	- 1)	International electrotechnical vocabulary Chapter 221: Magnetic materials and components	-	-
IEC 60404-1	2000	Magnetic materials Part 1: Classification	-	-
IEC 60404-8-4	1998	Part 8-4: Specifications for individual materials - Cold-rolled non-oriented electrical steel sheet and strip delivered in the fully-processed state	-	-
IEC 60404-8-7	1998	Part 8-7: Specifications for individual materials - Cold-rolled grain-oriented electrical steel sheet and strip delivered in the fully-processed state	-	-
IEC 60404-11	1991	Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip	-	-
A1	1998		-	-
IEC 61021-1	1990	Laminated core packages for transformers and inductors used in telecommunication and electronic equipment Part 1: Dimensions	EN 61021-1	1997
IEC 61021-2	1995	Part 2: Electrical characteristics for cores using YEE 2 laminations	EN 61021-2	1997
ISO 286-1	1988	ISO system of limits and fits Part 1: Bases of tolerances, deviations and fits	EN 20286-1	1993

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1) Undated reference.



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