



National Standards Authority of Ireland

STANDARD

**I.S. EN 60286-6:2004**

ICS 31.020

National Standards  
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**PACKAGING OF COMPONENTS FOR  
AUTOMATIC HANDLING, PART 6: BULK CASE  
PACKAGING FOR SURFACE MOUNTING  
COMPONENTS (IEC 60286-6:2004)**

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EUROPEAN STANDARD

**EN 60286-6**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2004

ICS 31.020

Supersedes EN 60286-6:1998

English version

**Packaging of components for automatic handling**  
**Part 6: Bulk case packaging for surface mounting components**  
(IEC 60286-6:2004)

Emballage des composants  
pour opérations automatisées  
Partie 6: Emballage en vrac  
des composants pour montage  
en surface  
(CEI 60286-6:2004)

Gurtung und Magazinierung von  
Bauelementen für automatische  
Verarbeitung  
Teil 6: Schüttgutbehälter für  
oberflächenmontierbare Bauelemente  
(IEC 60286-6:2004)

This European Standard was approved by CENELEC on 2004-03-01. 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, 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 40/1365/FDIS, future edition 2 of IEC 60286-6, prepared by IEC TC 40, Capacitors and resistors for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60286-6 on 2004-03-01.

This European Standard supersedes EN 60286-6:1998.

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) 2004-12-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2007-03-01

The International Electrotechnical Commission (IEC) and CENELEC draw attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning the structure of the bulk case given in 4.1.

The IEC and CENELEC take no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured the IEC that he is willing to negotiate licences under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with the IEC. Information may be obtained from:

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights other than those identified above. IEC and CENELEC shall not be held responsible for identifying any or all such patent rights.

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60286-6:2004 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

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 60093	- <sup>1)</sup>	Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials	HD 429 S1	1983 <sup>2)</sup>
ISO 180	- <sup>1)</sup>	Plastics Determination of Izod impact strength	EN ISO 180	2000
ISO 2248	- <sup>1)</sup>	Packaging - Complete, filled transport packages - Vertical impact test by dropping	EN 22248	1992
ISO 6906	- <sup>1)</sup>	Vernier callipers reading to 0,02 mm	-	-
ISO 11469	- <sup>1)</sup>	Plastics - Generic identification and marking of plastic products	EN ISO 11469	2000
ISO/IEC 16388	- <sup>1)</sup>	Information technology - Automatic identification and data capture techniques - Bar code symbology specifications - Code 39	-	-

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



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