



National Standards Authority of Ireland

STANDARD

**I.S. EN 60297-3-101:2004**

ICS 31.240

**MECHANICAL STRUCTURES FOR  
ELECTRONIC EQUIPMENT - DIMENSIONS OF  
MECHANICAL STRUCTURES OF THE 482,6  
MM (19 IN) SERIES PART 3-101: SUBRACKS  
AND ASSOCIATED PLUG-IN UNITS (IEC  
60297-3-101:2004)**

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*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on:  
November 3, 2004*

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EUROPEAN STANDARD

**EN 60297-3-101**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2004

ICS 31.240

Supersedes HD 493.3 S2:1993, EN 60297-4:1995 + A1:1999, EN 60297-5-100:2001,  
EN 60297-5-102:2001, EN 60297-5-103:2001 & EN 60297-5-107:2001

English version

**Mechanical structures for electronic equipment -  
Dimensions of mechanical structures of the 482,6 mm (19 in) series  
Part 3-101: Subracks and associated plug-in units  
(IEC 60297-3-101:2004)**

Structures mécaniques  
pour équipement électronique -  
Dimensions des structures mécaniques  
de la série de 482,6 mm (19 in)  
Partie 3-101: Bacs et blocs enfichables  
associés  
(CEI 60297-3-101:2004)

Bauweisen für elektronische  
Einrichtungen -  
Maße der 482,6-mm-(19-in-)Bauweise  
Teil 3-101: Baugruppenträger  
und Baugruppen  
(IEC 60297-3-101:2004)

This European Standard was approved by CENELEC on 2004-09-01. 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 48D/299/FDIS, future edition 1 of IEC 60297-3-101, prepared by SC 48D, Mechanical structures for electronic equipment, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60297-3-101 on 2004-09-01.

This European Standard supersedes HD 493.3 S2:1993, EN 60297-4:1995 + A1:1999, EN 60297-5-100:2001, EN 60297-5-102:2001 + corrigendum July 2001, EN 60297-5-103:2001 and EN 60297-5-107:2001.

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) | 2005-06-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn   | (dow) | 2007-09-01 |

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60297-3-101:2004 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 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 60249-2-1	- <sup>1)</sup>	Base materials for printed circuits Part 2: Specifications - Specification No. 1: Phenolic cellulose paper copper-clad laminated sheet, high electrical quality	EN 60249-2-1	1994 <sup>2)</sup>
IEC 60297-1	1986	Dimensions of mechanical structures of the 482,6 mm (19 in) series Part 1: Panels and racks	HD 493.1 S1	1988
IEC 60297-2	1982	Part 2: Cabinets and pitches of rack structures	HD 493.2 S1	1988
IEC 60603-2	1995	Connectors for frequencies below 3 MHz for use with printed boards Part 2: Detail specification for two-part connectors with assessed quality, for printed boards, for basic grid of 2,54 mm (0,1 in) with common mounting features	EN 60603-2	1998
IEC 60917-1	1998	Modular order for the development of mechanical structures for electronic equipment practices Part 1: Generic standard	EN 60917-1	1998
IEC 61076-4-101	2001	Connectors for electronic equipment Part 4-101: Printed board connectors with assessed quality - Detail specification for two-part connector modules, having a basic grid of 2,0 mm for printed boards and backplanes in accordance with IEC 60917	EN 61076-4-101	2001
IEC 61076-4-113	2002	Part 4-113: Detail specification for two-part connectors having 5 rows with a grid of 2,54 mm for printed boards and backplanes in bus applications	EN 61076-4-113	2003

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

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

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61587-1	1999	Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 Part 1: Climatic, mechanical tests and safety aspects for cabinets, racks, subracks and chassis	EN 61587-1	1999
IEC 61587-3	1999	Part 3: Electromagnetic shielding performance tests for cabinets, racks and subracks	-	-

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