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(istoveten EN 60297-3-104:2006)

Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series - Part 3-104: Connector dependent interface dimensions for subracks and plug-in units (IEC 60297-3-104:2006)

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**Mechanical structures for electronic equipment -
Dimensions of mechanical structures
of the 482,6 mm (19 in) series
Part 3-104: Connector dependent interface dimensions
of subracks and plug-in units
(IEC 60297-3-104:2006)**

Structures mécaniques pour équipements
électroniques -
Dimensions des structures mécaniques
de la série de 482,6 mm (19 in)
Partie 3-104: Dimensions de l'interface
des bacs et blocs enfichables en fonction
du connecteur
(CEI 60297-3-104:2006)

Bauweisen für elektronische
Einrichtungen -
Maße der 482,6-mm-(19-in-)Bauweise
Teil 3-104: Steckverbinderabhängige
Schnittstellenmaße für
Baugruppenträger und Baugruppen
(IEC 60297-3-104:2006)

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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/337/FDIS, future edition 1 of IEC 60297-3-104, 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 60297-3-104 on 2006-06-01.

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) 2007-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-06-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60297-3-104:2006 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 60297-3-101	- ¹⁾	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	EN 60297-3-101	2004 ²⁾
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	- ¹⁾	Modular order for the development of mechanical structures for electronic equipment practices - Part 1: Generic standard	EN 60917-1	1998 ²⁾
IEC 61076-4-101 + corr. November	2001 2003	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	Connectors for electronic equipment - Printed board connectors - 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

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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**Structures mécaniques pour équipements
électroniques – Dimensions des structures
mécaniques de la série 482,6 mm (19 in) –**

Partie 3-104:

**Dimensions de l'interface des bacs et blocs
enfichables en fonction du connecteur**

**Mechanical structures for electronic equipment –
Dimensions of mechanical structures
of the 482,6 mm (19 in) series –**

Part 3-104:

**Connector dependent interface dimensions
of subracks and plug-in units**

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Commission Electrotechnique Internationale
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENT –
DIMENSIONS OF MECHANICAL STRUCTURES
OF THE 482,6 mm (19 in) SERIES –**

**Part 3-104: Connector dependent interface dimensions
of subracks and plug-in units**

FOREWORD

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International Standard IEC 60297-3-104 has been prepared by subcommittee 48D: Mechanical structures for electronic equipment, of IEC technical committee 48: Electro-mechanical components and mechanical structures for electronic equipment.

The text of this standard is based on following documents:

FDIS	Report on voting
48D/337/FDIS	48D/341/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.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The IEC 60297-3 series consists of the following parts, under the general title *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

Part 3-102: Injector/extractor handle

Part 3-103: Keying and alignment pin

Part 3-104: Connector dependent interface dimensions of subracks and plug-in units

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENT – DIMENSIONS OF MECHANICAL STRUCTURES OF THE 482,6 mm (19 in) SERIES –

Part 3-104: Connector dependent interface dimensions of subracks and plug-in units

1 Scope and object

This part of IEC 60297 covers the connector dependent interface dimensions for subracks and plug-in units in accordance with subracks of IEC 60297-3-101. In this part of IEC 60297, the two-part connectors of the series IEC 60603-2, IEC 61076-4-101, IEC 61076-4-113 are concerned. Since the connector specific standards contain the dimensions of the connectors only, it is the intention of this part of IEC 60297 to introduce the related subrack and plug-in unit interface dimensions if the connectors mentioned are applied. This standard will also provide dimensional guidelines for the implementation of other connectors by definition of the relationship between subrack mounting pitches and the position of board- type plug-in units and backplanes.

2 Normative references

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.

IEC 60297-3-101, 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 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*

IEC 60917-1, *Modular order for the development of mechanical structures for electronic equipment practices – Part 1: Generic standard*

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*

IEC 61076-4-113:2002, *Connectors for electronic equipment – Printed board connectors – 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*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60917-1 apply.