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Elektronikutrustningar – Mekaniska byggmått i 482,6 mm (19-tum)-serien – Del 3-100: Grundläggande mått för paneler, delstativ (kortramar), chassier, stativ och skåp

*Mechanical structures for electronic equipment –
Dimensions of mechanical structures of the 482,6 mm (19 in) series –
Part 3-100: Basic dimensions of front panels, subracks, chassis, racks and cabinets*

Som svensk standard gäller europastandarden EN 60297-3-100:2009. Den svenska standarden innehåller den officiella engelska språkversionen av EN 60297-3-100:2009.

Nationellt förord

Europastandarden EN 60297-3-100:2009

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 60297-3-100, First edition, 2008 - Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series - Part 3-100: Basic dimensions of front panels, subracks, chassis, racks and cabinets**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-IEC 60297-1, utgåva 1, 2004 och SS-IEC 60297-2, utgåva 1, 2004, gäller ej fr o m 2011-12-01.

ICS 31.240

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English version

**Mechanical structures for electronic equipment -
Dimensions of mechanical structures of the 482,6 mm (19 in) series -
Part 3-100: Basic dimensions of front panels,
subracks, chassis, racks and cabinets
(IEC 60297-3-100:2008)**

Structures mécaniques
pour équipements électroniques -
Dimensions des structures mécaniques
de la série 482,6 mm (19 pouces) -
Partie 3-100: Dimensions de base
des panneaux avant, des bacs,
des châssis, des bâtis et des baies
(CEI 60297-3-100:2008)

Bauweisen für
elektronische Einrichtungen -
Maße der 482,6-mm-(19-Zoll-)Bauweise -
Teil 3-100: Hauptmaße von Frontplatten,
Baugruppenträgern, Einschüben,
Gestellen und Schränken
(IEC 60297-3-100:2008)

This European Standard was approved by CENELEC on 2008-12-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 48D/380/FDIS, future edition 1 of IEC 60297-3-100, 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 60297-3-100 on 2008-12-01.

This European Standard supersedes HD 493.1 S1:1988 and HD 493.2 S1:1988.

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) 2009-09-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2011-12-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60297-3-100:2008 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 60917-2-1 NOTE Harmonized as EN 60917-2-1:1995 (not modified).

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 60050-581	- ¹⁾	International Electrotechnical Vocabulary - Part 581: Electromechanical components for electronic equipment	-	-
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 60917-1	- ¹⁾	Modular order for the development of mechanical structures for electronic equipment practices - Part 1: Generic standard	EN 60917-1	1998 ²⁾
-	-	Equipment Engineering (EE) - European telecommunication standard for equipment practice - Part 3: Engineering requirements for miscellaneous racks and cabinets	ETSI EN 300119-3	- ¹⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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INTRODUCTION

This part of IEC 60297 has been developed by merging IEC 60297-1 and IEC 60297-2 into one document. Both parts are reworked in order to meet the latest market requirements of the electronics industry. The purpose is also to create an updated documentation and to improve the drawings and descriptions of the contents. Some parts of this standard contain dimensions of IEC 60917-2-1 and ETSI EN 300119. The merge of the two parts into one updates the scope and improves the overview of the modular order, describing the relationship between front panels, subracks, chassis, racks and cabinets.

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

Part 3-100: Basic dimensions of front panels, subracks, chassis, racks and cabinets

1 Scope

This part of IEC 60297 specifies the basic dimensions of front panels, subracks, chassis, racks and cabinets of the 482,6 mm (19 in) series. Subsequent standards of the associated IEC 60297-3 series provides detail dimensions for specific parts of the equipment practice, where the basic dimensions are used as interface to other associated parts.

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 60050-581, *International Electrotechnical Vocabulary – Chapter 581: Electromechanical components for electronic equipment*

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

ETSI EN 300119-3, *Equipment engineering (EE)-European telecommunication standard for equipment practice – Part 3: Engineering requirements for miscellaneous racks and cabinets*