

SLOVENSKI STANDARD
SIST EN 60297-3-106:2010**01-junij-2010**

Mehanske strukture za elektronsko opremo - Mere mehanskih struktur serije 482,6 mm (19 inč) - 3-106. del: Prilagoditvene mere za okvire in šasije, uporabne v metričnih ohišjih ali stojalih v skladu z IEC 60917-2-1 (IEC 60297-3-106:2010)

Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series - Part 3-106: Adaptation dimensions for subracks and chassis applicable with metric cabinets or racks in accordance with IEC 60917-2-1 (IEC 60297-3-106:2010)

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Bauweisen für elektronische Einrichtungen - Maße der 482,6-mm-(19-Zoll-)Bauweise - Teil 3-106: Anpassungsmaße für Baugruppenträger und Einschübe, geeignet für metrische Schränke oder Gestelle nach IEC 60917-2-1 (IEC 60297-3-106:2010)

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Structures mécaniques pour équipements électroniques - Dimensions des structures mécaniques de la série 482,6 mm (19 pouces) - Partie 3-106: Dimensions d'adaptation des bacs et des châssis, applicables aux baies ou aux bâtis dimensionnés selon le système métrique, conformément à la CEI 60917-2-1 (CEI 60297-3-106:2010)

Ta slovenski standard je istoveten z: EN 60297-3-106:2010

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31.240	Mehanske konstrukcije za elektronsko opremo	Mechanical structures for electronic equipment
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SIST EN 60297-3-106:2010**en,fr**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60297-3-106

April 2010

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English version

**Mechanical structures for electronic equipment -
Dimensions of mechanical structures of the 482,6 mm (19 in) series -
Part 3-106: Adaptation dimensions for subracks and chassis applicable
with metric cabinets or racks in accordance with IEC 60917-2-1
(IEC 60297-3-106:2010)**

Structures mécaniques pour équipements
électroniques -
Dimensions des structures mécaniques
de la série 482,6 mm (19 pouces) -
Partie 3-106: Dimensions d'adaptation
des bacs et des châssis, applicables
aux baies ou aux bâtis dimensionnés
selon le système métrique, conformément
à la CEI 60917-2-1
(CEI 60297-3-106:2010)

Bauweisen für elektronische
Einrichtungen -
Maße der 482,6-mm-(19-Zoll-)Bauweise -
Teil 3-106: Adaptionsmaße
für Baugruppenträger und Einschübe,
geeignet für metrische Schränke
oder Gestelle nach IEC 60917-2-1
(IEC 60297-3-106:2010)

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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/419/FDIS, future edition 1 of IEC 60297-3-106, 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 60297-3-106 on 2010-04-01.

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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) | 2011-01-01 |
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Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60297-3-106:2010 was approved by CENELEC as a European Standard without any modification. (standards.iteh.ai)

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60297-3-100	NOTE	Harmonized as EN 60297-3-100. https://standards.iteh.ai/catalog/standards/sist/9a7fb39-d360-474b-8434-827e56c078ea/sist-en-60297-3-106-2010
IEC 60917-1	NOTE	Harmonized as EN 60917-1.
IEC 60917-2-2	NOTE	Harmonized as EN 60917-2-2
IEC 61587-1	NOTE	Harmonized as EN 61587-1
IEC 61587-2	NOTE	Harmonized as EN 61587-2
IEC 61587-3	NOTE	Harmonized as EN 61587-3

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	Series	Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series	EN 60297	Series
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	EN 60297-3-101	-
IEC 60917	Series	Modular order for the development of mechanical structures for electronic equipment practices	EN 60917	Series
IEC 60917-2-1	-	Modular order for the development of mechanical structures for electronic equipment practices - Part 2: Sectional specification - Interface co-ordination dimensions for the 25 mm equipment practice - Section 1: Detail specification - Dimensions for cabinets and racks	EN 60917-2-1	-
IEC 60917-2-4	-	Modular order for the development of mechanical structures for electronic equipment practices - Part 2-4: Sectional specification - Interface co-ordination dimensions for the 25 mm equipment practice - Adaptation dimensions for subracks or chassis applicable in cabinets or racks in accordance with IEC 60297-3-100 (19 in)	EN 60917-2-4	-

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Mechanical structures for electronic equipment – Dimensions of mechanical structures of the 482,6 mm (19 in) series – Part 3-106: Adaptation dimensions for subracks and chassis applicable to metric cabinets or racks in accordance with IEC 60917-2-1

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Structures mécaniques pour équipements électroniques – Dimensions des structures mécaniques de la série 482,6 mm (19 pouces) – Partie 3-106: Dimensions d'adaptation des bacs et des châssis, applicables aux baies ou aux bâtis dimensionnés selon le système métrique, conformément à la CEI 60917-2-1

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**Part 3-106: Adaptation dimensions for subracks and chassis applicable
to metric cabinets or racks in accordance with IEC 60917-2-1**

FOREWORD

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International Standard IEC 60297-3-106 has been prepared by subcommittee 48D: Mechanical structures for electronic equipment, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

The text of this standard is based on the following documents:

FDIS	Report on voting
48D/419/FDIS	48D/423/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.

A list of all parts of IEC 60297 series, under the general title *Mechanical structures for electronic equipment – Dimensions of mechanical structures of the 482, 6 mm (19 in) series*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability 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
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INTRODUCTION

The IEC 60297 series of standards provides definitions on mechanical structure and dimensions for 19 in cabinets and racks and their compatible subracks and chassis. The combination of 19 in based cabinets or racks and subracks and chassis are broadly applied for all industrial electronic fields in the world.

The IEC 60917 series of standards are based on metric modular ordered dimensions, and also define structures and interface dimensions for metric cabinets, racks, subracks and chassis. The IEC 60917 series, developed later compared to IEC 60297, provides for more logical subrack and chassis design practices based on metric dimensioning.

Requests for combined applications of both mechanical structures, the IEC 60297 series (19 in standard) and the IEC 60917 series (metric standard), resulted in requirements to mount 19 in subracks or chassis into metric standard cabinets or racks and, vice versa, metric subracks or chassis into 19 in cabinets or racks.

To cope with the requirements and needs, it is required to develop definitions for appropriate interface dimensions of flange mounting positions for cabinets or racks mounting of 19 in or metric subracks or chassis. And the definitions bring economical solutions for installations of electronic equipment into existing cabinets or racks. Further, they provide guidance to electro-mechanical designers to develop systems suitable to be mounted into both IEC standard series flexibly.

To meet such market needs, this standard defines dimensions for 19 in subracks or chassis applicable for metric cabinets or racks. (Dimensions for the applications, where metric subracks or chassis to be mounted into 19 in cabinets or racks, are defined in a separate standard , i.e. IEC 60917-2-4.)

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