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**Mechanical structures for electronic equipment - Tests for IEC 60917 and IEC 60297 - Part 5-102: Subracks and associated plug-in units - Electromagnetic shielding provision (IEC 60297-5-102:2001) Note: Includes corrigendum of July 2001**

Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series -- Part 5-102: Subracks and associated plug-in units - Electromagnetic shielding provision

**iTeh STANDARD PREVIEW**

Bauweisen für elektronische Einrichtungen - Maße der 482,6-mm-(19-in-)Bauweise -- Teil 5-102: Baugruppenträger und zugehörige Baugruppen - Maßnahmen für elektromagnetische Schirmung [SIST EN 60297-5-102:2002](https://standards.iteh.ai/catalog/standards/sist/195b24f6-5703-442a-ae91-b0085668e5a4/sist-en-60297-5-102-2002)

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Structures mécaniques pour équipement électronique - Dimensions des structures mécaniques de la série de 482,6 mm (19 in) -- Partie 5-102: Bacs et blocs enfichables associés - Dispositif pour le blindage électromagnétique

**Ta slovenski standard je istoveten z: EN 60297-5-102:2001**

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**ICS:**

31.240	Mehanske konstrukcije za elektronsko opremo	Mechanical structures for electronic equipment
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**SIST EN 60297-5-102:2002**

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EUROPEAN STANDARD

**EN 60297-5-102**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2001

ICS 31.240

English version

**Mechanical structures for electronic equipment -  
Dimensions of mechanical structures of the 428,6 mm (19 in) series  
Part 5-102: Subracks and associated plug-in units -  
Electromagnetic shielding provision  
(IEC 60297-5-102:2001)**

Structures mécaniques pour équipement  
électronique -

Dimensions des structures mécaniques  
de la série de 428,6 mm (19 in)

Partie 5-102: Bacs et blocs enfichables  
associés - Dispositif pour le blindage

électromagnétique

(CEI 60297-5-102:2001)

Bauweisen für elektronische  
Einrichtungen -

Maße der 428,6-mm-(19-in-)Bauweise  
Teil 5-102: Baugruppenträger und

zugehörige Baugruppen -

Maßnahmen für elektromagnetische  
Schirmung

(IEC 60297-5-102:2001)

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# 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/240/FDIS, future edition 1 of IEC 60297-5-102, 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 60297-5-102 on 2001-03-01.

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) 2001-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-03-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annex ZA is normative.  
Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60297-5-102:2001 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

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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	<sup>1)</sup>	Dimensions of mechanical structures of the 482,6 mm (19 in) series Part 3: Subracks and associated plug-in units	HD 493.3 S2	1993 <sup>2)</sup>
IEC 60297-4	<sup>1)</sup>	Part 4: Subracks and associated plug-in units - Additional dimensions	EN 60297-4 + A1	1995 <sup>2)</sup> 1999
IEC 60297-5-100	<sup>1)</sup>	Part 5-100: Subracks and associated plug-in units - Design overview	EN 60297-5-100	2001 <sup>2)</sup>
IEC 60297-5-105	<sup>1)</sup>	Part 5-105: Subracks and associated plug-in units - Alignment and/or earth pin	EN 60297-5-105	2001 <sup>2)</sup>
IEC 60297-5-107	<sup>1)</sup>	Part 5-107: Subracks and associated plug-in units - Rear mounted plug-in units	EN 60297-5-107	2001 <sup>2)</sup>
IEC 60917-1	<sup>1)</sup>	Modular order for the development of mechanical structures for electronic equipment practices Part 1: Generic standard	EN 60917-1	1998 <sup>2)</sup>
IEC 61587-1	<sup>1)</sup>	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 <sup>2)</sup>
IEC 61587-3	<sup>1)</sup>	Part 3: Electromagnetic shielding performance tests for cabinets, racks and subracks	-	-

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

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

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# INTERNATIONAL STANDARD

# IEC 60297-5-102

First edition  
2001-01

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

### Part 5-102:

### Subracks and associated plug-in units – Electromagnetic shielding provision

SIST EN 60297-5-102:2002

<https://standards.itec.org/standards/60297-5-102-2002/>  
*Structures mécaniques pour équipement électronique –  
Dimensions des structures mécaniques de la série  
de 482,6 mm (19 in) –*

### Partie 5-102:

### Bacs et blocs enfichables associés – Dispositif pour le blindage électromagnétique

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International Electrotechnical Commission  
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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 5-102: Subracks and associated plug-in units –  
Electromagnetic shielding provision**

## FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60297-5-102 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/240/FDIS	48D/249/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 3.

IEC 60297-5 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 5-100, Subracks and associated plug-in units – Design overview
- Part 5-101, Subracks and associated plug-in units – Injector/extractor handle
- Part 5-102, Subracks and associated plug-in units – Electromagnetic shielding provision
- Part 5-103, Subracks and associated plug-in units – Electrostatic discharge protection
- Part 5-104, Subracks and associated plug-in units – Keying