

INTERNATIONAL STANDARD

IEC 60297-5-107

First edition
2001-01

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

**Part 5-107:
Subracks and associated plug-in units –
Rear-mounted plug-in units**

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

*Partie 5-107:
Bacs et blocs enfichables associés –
Blocs enfichables à montage arrière*



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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 5-107: Subracks and associated plug-in units –
 Rear mounted plug-in units**

FOREWORD

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International Standard IEC 60297-5-107 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/244/FDIS	48D/253/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

Part 5-105, Subracks and associated plug-in units – Alignment and/or earth pin

Part 5-107, Subracks and associated plug-in units – Rear mounted plug-in units

The committee has decided that the contents of this publication will remain unchanged until 2004. At this date, the publication will be

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- withdrawn;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

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

This part of IEC 60297 is based on IEC 60297-3 (1984), its Amendment 1 (1992), and IEC 60297-4 (1995). It contains detail dimensions which ensure dimensional interchangeability of sub racks with front mounted plug-in units per IEC 60297-4 requiring additional rear mounted plug-in units as defined in this standard. Front and/or rear sub rack mounted plug-in units are mechanically identical (not electrically), however, the rear sub rack mounted plug-in unit is mounted in a mirror image position to the front sub rack mounted plug-in unit. The component side 1 (printed board reference plane) of the front mounted plug-in unit and the component side 1 of the rear mounted plug-in unit (printed board reference plane) are thus "in line". The first front mounted plug-in unit refers to the first printed board position on the left side of the sub rack, viewed from the front. The first rear mounted plug-in unit refers to the first rear mounted plug-in unit position on the right side of the sub rack, viewed from the rear.

Like many of the IEC 60297-3 and IEC 60297-4 sub racks and associated plug-in unit basic dimensions, this standard also refers to the IEC 60603-2 connector series for its basic dimensional relationship.

This standard applies only to the mechanical structures for electronic equipment practices according to the IEC 60297 series.