BRITISH STANDARD

BS EN 60297-5-105: 2001
IEC 60297-5-105: 2001

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

Part 5-105: Subracks and associated plug-in units — Alignments and/or earth pin

The European Standard EN 60297-5-105:2001 has the status of a British Standard

ICS 31.240

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

Documents
Document Sharing Hub

Full document details: BS EN 60297-5-105:2001

National foreword

This British Standard is the official English language version of EN 60297-5-105:2001. It is identical with IEC 60297-5-105:2001.

The UK participation in its preparation was entrusted to Technical Committee EPL/48, Electromechanical components for electronic equipment, to subcommittee EPL/48/4, Mechanical structures for electronic equipment which has the responsibility to:

— aid enquirers to understand the text;

— present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;

— monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled "International Standards Correspondence Index", or by using the "Find" facility of the BSI Standards Electronic Catalogue.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 August 2001

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 13, and a back cover.

The BSI copyright date displayed in this document indicates when the document was last issued.

Amendments issued since publication

Amd. No.	Date	Comments

© BSI 08-2001

ISBN 0 580 37894 2

Documents
Document Sharing Hub

Full document details: BS EN 60297-5-105:2001

EUROPEAN STANDARD **EN 60297-5-105**

NORME EUROPÉENNE

EUROPÄISCHE NORM April 2001

ICS 31.240

English version

Mechanical structures for electronic equipment - Dimensions of mechanical structures of the 482,6 mm (19 in) series Part 5-105: Subracks and associated plug-in units - Alignment and/or earth pin

(IEC 60297-5-105:2001)

Structures mécaniques pour équipement électronique -
Dimensions des structures mécaniques de la série de 482,6 mm (19 in)
Partie 5-105: Bacs et blocs enfichables associés - Broche d'alignement et/ou de terre
(CEI 60297-5-105:2001)

Bauweisen für elektronische Einrichtungen -
Maße der 482,6-mm-(19-in-)Bauweise
Teil 5-105: Baugruppenträger und zugehörige Baugruppen - Führungs- und/oder Erdungsstift
(IEC 60297-5-105:2001)

This European Standard was approved by CENELEC on 2001-03-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

© 2001 CENELEC - All rights of exploitation in any form and by any means reserved worldwide for CENELEC members.

Ref. No. EN 60297-5-105:2001 E

AVA Documents
Document Sharing Hub

Full document details: BS EN 60297-5-105:2001

Foreword

The text of document 48D/243/FDIS, future edition 1 of IEC 60297-5-105, 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 60297-5-105 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.

Endorsement notice

The text of the International Standard IEC 60297-5-105:2001 was approved by CENELEC as a European Standard without any modification.

© BSI 08–2001

Documents
Document Sharing Hub
Full document details: BS EN 60297-5-105:2001

CONTENTS

Page

INTRODUCTION 4

Clause

1 Scope and object 5
2 Normative references 5
3 Definitions 6
4 Extended features added to IEC 60297-3 and IEC 60297-4 6
5 General equipment arrangement 8
6 Detail equipment arrangement 8
7 Alignment and/or earth pin for printed board type plug-in units ≥ 4HP 9
7.1 Alignment and/or earth pin receptacle position in the subrack guide for printed board type plug-in units ≥ 4HP 9
7.2 Alignment and/or earth pin and alignment/earth receptacle inspection dimensions 11

Figure 1 – General equipment arrangement – Typical 6U subrack with front and/or rear mounted board type plug-in units featured with alignment and/or earth pins 7
Figure 2 – Design detail equipment arrangement 8
Figure 3 – Alignment and/or earth pin receptacle position in the subrack front/rear mounted guide rails 9
Figure 4 – Subrack alignment and/or earth pin receptacle position for subrack front mounted plug-in units 10
Figure 5 – Subrack alignment and/or earth pin receptacle position for subrack rear mounted plug-in units 10
Figure 6 – Front and/or rear subrack and printed board type plug-in unit alignment and/or earth pin/receptacle inspection dimensions 11

Table 1 – Subrack alignment and/or earth pin receptacle and printed board type plug-in unit alignment/earth pin inspection dimensions 11
Annex ZA (normative) Normative referenceto internationalpublications with their corresponding European publications 12

© BSI 08–2001

Documents
Document Sharing Hub
Full document details: BS EN 60297-5-105:2001