Connectors for electronic equipment - Tests and measurements - Part 8-2: Static load tests (fixed connectors) - Test 8b: Static load, axial

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60512-8-2:2011 sisaldab Euroopa standardi EN 60512-8-2:2011 ingliskeelset teksti.	This Estonian standard EVS-EN 60512-8-2:2011 consists of the English text of the European standard EN 60512-8-2:2011.
Standard on kinnitatud Eesti Standardikeskuse 30.06.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 30.06.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 10.06.2011.	Date of Availability of the European standard text 10.06.2011.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 31.220.10

EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 60512-8-2

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English version

Connectors for electronic equipment - Tests and measurements - Part 8-2: Static load tests (fixed connectors) - Test 8b: Static load, axial

(IEC 60512-8-2:2011)

Connecteurs pour équipements électroniques - Essais et mesures - Partie 8-2: Essais de charge statique (embases) - Essai 8b: Charge statique axiale (CEI 60512-8-2:2011)

Steckverbinder für elektronische Einrichtungen - Mess- und Prüfverfahren - Teil 8-2: Prüfungen mit statischer Last (feste Steckverbinder) - Prüfung 8b: Statische Axiallast (IEC 60512-8-2:2011)

This European Standard was approved by CENELEC on 2011-05-12. 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, Croatia, 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

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Foreword

The text of document 48B/2120/CDV, future edition 1 of IEC 60512-8-2, prepared by SC 48B, Connectors, 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 60512-8-2 on 2011-05-12.

This standard is to be read in conjunction with EN 60512-1 and EN 60512-1-100, which explains the structure of the EN 60512 series.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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)	2012-02-12
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2014-05-12

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 60512-8-2:2011 was approved by CENELEC as a European Standard without any modification.

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

IEC 60512-14 series	NOTE	Harmonized in EN 60512-14 series (not modified)
IEC 60529	NOTE	Harmonized as EN 60529.

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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.

Publication	Year	Title	EN/HD	Year
IEC 60512-1	-	Connectors for electronic equipment - Tests and measurements - Part 1: General	EN 60512-1	-
IEC 60512-1-1	-	Connectors for electronic equipment - Tests and measurements - Part 1-1: General examination - Test 1a: Visual examination	EN 60512-1-1	-
IEC 60512-1-100	-	Connectors for electronic equipment - Tests and measurements - Part 1-100: General - Applicable publications	EN 60512-1-100	-

CONTENTS

CONNECTORS FOR ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

Part 8-2: Static load tests (fixed connectors) – Test 8b: Static load, axial

1 Scope and object

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of IEC technical committee 48. It may also be used for similar devices when specified in a detail specification.

The object of this standard is to detail a standard test method to determine the ability of a fixed connector to withstand a steady axial force which might occur during normal use.

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 60512-1, *Connectors for electronic equipment – Tests and measurements – Part 1: General*

IEC 60512-1-1, *Connectors for electronic equipment – Tests and measurements – Part 1-1: General examination – Test 1a: Visual examination*

IEC 60512-1-100, *Connectors for electronic equipment – Tests and measurements – Part 1-100: General – Applicable publications*

3 Preparation

3.1 Preparation of the specimen

The specimen shall not be wired but shall be fitted with such accessories as may be required by the detail specification.

3.2 Equipment

A suitable test tool (e.g. a universal materials testing machine) and appropriate adapters shall be used.

3.3 Mounting

Unless otherwise specified, the specimen shall be mounted in the normal manner, using the normal panel or chassis cut-out as laid down in the detail specification.

NOTE The plate should be strong enough to sustain the applied forces. The length and width of the plate should be such that the contour of the specimen is exceeded.