
Konektorji za elektronsko opremo - Preskusi in meritve - 10-4. del: Udarni preskusi (proste komponente), preskusi statične obremenitve (pritrjene komponente), preskusi vzdržljivosti in preskusi preobremenitve - Preskus 10d: Električna preobremenitev (konektorjev) (IEC 60512-10-4:2003)

Connectors for electronic equipment - Tests and measurements - Part 10-4: Impact tests (free components), static load tests (fixed components), endurance tests and overload tests - Test 10d: Electrical overload (connectors) (IEC 60512-10-4:2003)

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English version

**Connectors for electronic equipment –
Tests and measurements
Part 10-4: Impact tests (free components), static load tests
(fixed components), endurance tests and overload tests –
Test 10d: Electrical overload (connectors)
(IEC 60512-10-4:2003)**

Connecteurs pour équipements
électroniques –

Essais et mesures

Partie 10-4: Essais d'impact (composants
libres), essais d'impact sous charge
statique (composants fixes), essais
d'endurance et essais de surcharge -

Essai 10d: Surcharge électrique
(connecteurs)

(CEI 60512-10-4:2003)

Steckverbinder für elektronische
Einrichtungen –

Mess- und Prüfverfahren

Teil 10-4: Aufprallprüfungen (freie
Bauelemente), Prüfungen mit statischer
Last (feste Bauelemente), Dauerprüfung
und Überlastprüfungen –

Prüfung 10d: Elektrische Überlast
(Steckverbinder)-

(IEC 60512-10-4:2003)

This European Standard was approved by CENELEC on 2003-10-01. 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, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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

Foreword

The text of document 48B/1350/FDIS, future edition 2 of IEC 60512-10-4, 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 60512-10-4 on 2003-10-01.

This European Standard supersedes EN 60512-10-4:1996.

This standard is to be read in conjunction with EN 60512-1:2001 and EN 60512-1-100:2001 which explains the structure of the EN 60512 series.

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) 2004-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-10-01

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

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The text of the International Standard IEC 60512-10-4:2003 was approved by CENELEC as a European Standard without any modification.

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 60512	Series	Connectors for electronic equipment - Tests and measurements	EN 60512	Series
IEC 60512-1-100	2001	Connectors for electronic equipment - Tests and measurements Part 1-100: General - Applicable publications	EN 60512-1-100	2001

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60512-10-4

Deuxième édition
Second edition
2003-08

**Connecteurs pour équipements électroniques –
Essais et mesures –**

**Partie 10-4:
Essais d'impact (composants libres),
essais d'impact sous charge statique
(composants fixes), essais d'endurance
et essais de surcharge –
Essai 10d: Surcharge électrique (connecteurs)**

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**Part 10-4:
Impact tests (free components), static load
tests (fixed components), endurance tests
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Commission Electrotechnique Internationale
International Electrotechnical Commission
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRONIC EQUIPMENT –
TESTS AND MEASUREMENTS –****Part 10-4: Impact tests (free components), static load tests
(fixed components), endurance tests and overload tests –
Test 10d: Electrical overload (connectors)**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, and Guides (hereafter referred to as "IEC Publication(s)"). 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. 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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International Standard IEC 60512-10-4 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This second edition cancels and replaces the first edition published in 1996 and constitutes a technical revision.

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

The main change with respect to the previous edition is that the test method has been revised so that it is more clearly a measuring procedure, showing as the test result a plot of overload current over time for the contact under specified maximum environmental temperature and a specified maximum temperature for the connector.

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

FDIS	Report on voting
48B/1350/FDIS	48B/1368/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.

The committee has decided that the contents of this publication will remain unchanged until 2004-12. At this date, the publication will be

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

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