
Electromechanical components for electronic equipment - Basic testing procedure and measuring methods - Part 15: Mechanical tests on contact and terminations - Section 8: Test 15h - Contact retention system resistance to tool application (IEC 60512-15-8:1995)

Electromechanical components for electronic equipment - Basic testing procedures and measuring methods -- Part 15: Mechanical tests on contacts and terminations -- Section 8: Test 15h - Contact retention system resistance to tool application

Elektrisch-mechanische Bauelemente für elektronische Einrichtungen - Meß- und Prüfverfahren -- Teil 15: Mechanische Prüfungen an Kontakten und Anschlüssen -- Hauptabschnitt 8: Prüfung 15h - Kontakthalterung, Widerstandsfähigkeit bei Verwendungen von Werkzeugen

Composants électromécaniques pour équipements électroniques - Procédures d'essai de base et méthodes de mesure -- Partie 15: Essais mécaniques des contacts et des sorties -- Section 8: Essai 15h - Résistance du système de rétention des contacts à l'utilisation des outils

Ta slovenski standard je istoveten z: EN 60512-15-8:1995

ICS:

31.220.10	Vtiļ i in vtiļ nice, konektorji	Plug-and-socket devices. Connectors
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SIST EN 60512-15-8:2002

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60512-15-8

December 1995

ICS 31.220.10

Descriptors: Test, contact retention system resistance to tool application

English version

Electromechanical components for electronic equipment
Basic testing procedures and measuring methods
Part 15: Mechanical tests on contacts and terminations
Section 8: Test 15h - Contact retention system resistance
to tool application
(IEC 512-15-8:1995)

Composants électromécaniques
pour équipements électroniques
Procédures d'essai de base et
méthodes de mesure

Partie 15: Essais mécaniques des
contacts et des sorties
Section 8: Essai 15h
Résistance du système de rétention
des contacts à l'utilisation des outils
(CEI 512-15-8:1995)

Elektrisch-mechanische Bauelemente
für elektronische Einrichtungen
Meß- und Prüfverfahren

Teil 15: Mechanische Prüfungen an
Kontakten und Anschlüssen
Hauptabschnitt 8: Prüfung 15h
Kontakthalterung, Widerstandsfähigkeit
bei Verwendungen von Werkzeugen
(IEC 512-15-8:1995)

This European Standard was approved by CENELEC on 1995-11-28. 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, 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

Foreword

The text of document 48B/421/DIS, future edition 1 of IEC 512-15-8, 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 60512-15-8 on 1995-11-28.

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) 1996-09-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1996-09-01

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 512-15-8:1995 was approved by CENELEC as a European Standard without any modification.

SIST EN 60512-15-8:2002

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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 512-2	1985	Electromechanical components for electronic equipment; basic testing procedures and measuring methods Part 2: General examination, electrical continuity and contact resistance tests, insulation tests and voltage stress tests	-	-
A1	1994		-	-
IEC 512-8	1993	Part 8: Connector tests (mechanical) and mechanical tests on contacts and terminations	-	-

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NORME INTERNATIONALE INTERNATIONAL STANDARD

**CEI
IEC
512-15-8**

Première édition
First edition
1995-11

Composants électromécaniques pour équipements électroniques – Procédures d'essai de base et méthodes de mesure –

Partie 15:

Essais mécaniques des contacts et des sorties –
Section 8: Essai 15h – Résistance du système
de rétention des contacts à l'utilisation des outils

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**Electromechanical components for electronic
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Part 15:

Mechanical tests on contacts and terminations –
Section 8: Test 15h – Contact retention system
resistance to tool application

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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ELECTROMECHANICAL COMPONENTS FOR ELECTRONIC EQUIPMENT – BASIC TESTING PROCEDURES AND MEASURING METHODS –

Part 15: Mechanical tests on contacts and terminations – Section 8: Test 15h – Contact retention system resistance to tool application

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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International standard IEC 512-15-8 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

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

DIS	Report on voting
48B/421/DIS	48B/450/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 standard is to be used in conjunction with Part 1: General, issued as IEC 512-1.

The complete publication will include other tests which will be issued as they become available.

ELECTROMECHANICAL COMPONENTS FOR ELECTRONIC EQUIPMENT – BASIC TESTING PROCEDURES AND MEASURING METHODS –

Part 15: Mechanical tests on contacts and terminations – Section 8: Test 15h – Contact retention system resistance to tool application

1 Scope and object

This section of IEC 512-15 defines standard test method to check the ability of connectors to withstand the use of standardised tooling for insertion and extraction of contacts.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this section of IEC 512-15. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this section of IEC 512-15 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 512-2: 1985, *Electromechanical components for electronic equipment; basic testing procedures and measuring methods – Part 2: General examination, electrical continuity and contact resistance tests, insulation tests and voltage stress tests*
Amendment 1 (1994)

IEC 512-8: 1993, *Electromechanical components for electronic equipment; basic testing procedures and measuring methods – Part 8: Connector tests (mechanical) and mechanical tests on contacts and terminations*

NOTE – This series of documents is in process of being revised; the future numbering is referenced in brackets later in this standard.

3 Preparation of specimens

The specimens shall be fitted with all their contacts, wired in accordance with the detail specification.

4 Test method

For each test method described, five contacts shall be tested. Separate contact cavities shall be used for method 1 and for method 2.