



# SLOVENSKI STANDARD

## SIST EN 60352-8:2011

01-maj-2011

---

### Nespajkani spoji - 8. del: Spoji s stiskanjem - Splošne zahteve, preskusne metode in praktični napotki (IEC 60352-8:2011)

Solderless connections - Part 8: Compression mount connections - General requirements, test methods and practical guidance (IEC 60352-8:2011)

Lötfreie Verbindungen - Teil 8: Druckmontage-Verbindungen - Allgemeine Anforderungen, Prüfverfahren und Anwendungshinweise (IEC 60352-8:2011)

Connexions sans soudure - Partie 8: Connexions par compression - Exigences générales, méthodes d'essai et guide pratique (CEI 60352-8:2011)

<https://standards.iteh.ai/catalog/standards/sist/4844c3ea-0d94-4ce1-b660-3d09dc32ae2f/sist-en-60352-8-2011>

Ta slovenski standard je istoveten z: EN 60352-8:2011

---

#### **ICS:**

29.120.20      Spojni elementi      Connecting devices

**SIST EN 60352-8:2011**      en

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 60352-8:2011

<https://standards.iteh.ai/catalog/standards/sist/4844c3ea-0d94-4ce1-b660-3d09dc32ae2f/sist-en-60352-8-2011>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60352-8**

March 2011

ICS 13.220.10

English version

**Solderless connections -  
Part 8: Compression mount connections -  
General requirements, test methods and practical guidance  
(IEC 60352-8:2011)**

Connexions sans soudure -  
Partie 8: Connexions par compression -  
Exigences générales, méthodes d'essai et  
guide pratique  
(CEI 60352-8:2011)

Lötfreie Verbindungen -  
Teil 8: Druckmontage-Verbindungen -  
Allgemeine Anforderungen, Prüfverfahren  
und Anwendungshinweise  
(IEC 60352-8:2011)

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

This European Standard was approved by CENELEC on 2011-03-17. 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. - 8:2011

<https://standards.iteh.ai/catalog/standards/sist/4844c3ea-0d94-4ce1-b660-3409dc2ac228/iec-60352-8-2011>  
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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 48B/2223/FDIS, future edition 1 of IEC 60352-8, 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 60352-8 on 2011-03-17.

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) 2011-12-17
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2014-03-17

Annex ZA has been added by CENELEC.

---

### Endorsement notice

The text of the International Standard IEC 60352-8:2011 was approved by CENELEC as a European Standard without any modification. (standards.iteh.ai)

[SIST EN 60352-8:2011](https://standards.iteh.ai/catalog/standards/sist/4844c3ea-0d94-4ce1-b660-3d09dc32ae2f/sist-en-60352-8-2011)

<https://standards.iteh.ai/catalog/standards/sist/4844c3ea-0d94-4ce1-b660-3d09dc32ae2f/sist-en-60352-8-2011>

## 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-581	2008	International Electrotechnical Vocabulary - Part 581: Electromechanical components for electronic equipment	-	-
IEC 60068-1 + A1	1988 1992	Environmental testing - Part 1: General and guidance	EN 60068-1	1994
IEC 60512	Series	Connectors for electronic equipment - Tests and measurements	EN 60512	Series
IEC 60512-1	-	Connectors for electronic equipment - Tests and measurements - Part 1: General	EN 60512-1	-
IEC 60512-1-100	-	Connectors for electronic equipment - Tests and measurements - Part 1-100: General - Applicable publications	EN 60512-1-100	-
IEC 61249-2-7	2002	Materials for printed boards and other interconnecting structures - Part 2-7: Reinforced base materials, clad and unclad - Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test), copper-clad	EN 61249-2-7 + corr. September	2002 2005

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 60352-8:2011

<https://standards.iteh.ai/catalog/standards/sist/4844c3ea-0d94-4ce1-b660-3d09dc32ae2f/sist-en-60352-8-2011>



IEC 60352-8

Edition 1.0 2011-02

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Solderless connections –  
Part 8: Compression mount connections – General requirements, test methods  
and practical guidance**

**Connexions sans soudure –  
Partie 8: Connexions par compression – Exigences générales, méthodes d'essai  
et guide pratique**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

PRICE CODE  
CODE PRIX

S

ICS 13.220.10

ISBN 978-2-88912-363-6

## CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope and object.....	7
2 Normative references.....	7
3 Terms and definitions.....	7
4 Requirements.....	8
4.1 General.....	8
4.2 Mounting tools.....	8
4.3 Compression mount contact.....	8
4.3.1 Materials.....	8
4.3.2 Design features.....	8
4.3.3 Surface finishes.....	8
4.4 Connector body.....	9
4.4.1 Materials.....	9
4.4.2 Design features.....	9
4.5 Printed wiring board.....	9
4.5.1 Materials.....	9
4.5.2 Design features.....	9
4.5.3 Surface finishes.....	9
4.6 Stiffener.....	9
5 Tests.....	9
5.1 General.....	9
5.1.1 Standard conditions for testing.....	9
5.1.2 Mounting of the specimen.....	10
5.2 Test and measuring methods.....	10
5.2.1 General examination.....	10
5.2.2 Mechanical tests.....	10
5.2.3 Electrical tests.....	11
5.2.4 Climatic tests.....	12
5.3 Test schedule.....	13
5.3.1 General.....	13
5.3.2 Basic test schedule.....	14
5.3.3 Full test schedule.....	14
6 Practical guidance.....	17
6.1 Advantages for compression mount connection.....	17
6.2 Current-carrying capacity.....	18
6.3 Compression mount contact.....	18
6.4 Connector housing and printed wiring board.....	18
6.4.1 General.....	18
6.4.2 Connector housing.....	18
6.4.3 Printed wiring board.....	18
Bibliography.....	20
Figure 1 – Wiring arrangement for contact resistance test.....	12
Figure 2 – An example of compression mount connection within a connector.....	17



Table 1 – Vibration, preferred test severities.....	11
Table 2 – Group P – basic test.....	14
Table 3 – Group A – corrosion test .....	15
Table 4 – Group B – mechanical test .....	15
Table 5 – Group C – climatic test .....	16
Table 6 – Group D – current carrying capacity test .....	16

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 60352-8:2011

<https://standards.iteh.ai/catalog/standards/sist/4844c3ea-0d94-4ce1-b660-3d09dc32ae2f/sist-en-60352-8-2011>

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SOLDERLESS CONNECTIONS –****Part 8: Compression mount connections –  
General requirements, test methods and practical guidance**

## 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, Publicly Available Specifications (PAS) 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.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60352-8 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:

FDIS	Report on voting
48B/2223/FDIS	48B/2229/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.

A list of all parts of the IEC 60352 series, published under the general title *Solderless connections*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

**IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.**

## iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 60352-8:2011

<https://standards.iteh.ai/catalog/standards/sist/4844c3ea-0d94-4ce1-b660-3d09dc32ae2f/sist-en-60352-8-2011>