

SLOVENSKI STANDARD

SIST EN 60352-2:2002/A2:2003

oktober 2003

Solderless connections - Part 2: Solderless crimped connections - General requirements, test methods and practical guidance (IEC 60352-2:1990/A2:2002)

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[SIST EN 60352-2:2002/A2:2003](https://standards.iteh.ai/catalog/standards/sist/0159c72b-1387-4499-b8bc-1fee960d1f0d/sist-en-60352-2-2002-a2-2003)

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ICS 29.120.20

Referenčna številka
SIST EN 60352-2:2002/A2:2003(en)

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SIST EN 60352-2:2002/A2:2003

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EUROPEAN STANDARD

EN 60352-2/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2002

ICS 31.220.10

English version

Solderless connections
Part 2: Solderless crimped connections –
General requirements, test methods and practical guidance
(IEC 60352-2:1990/A2:2002)

Connexions sans soudure
Partie 2: Connexions serties
sans soudure –
Règles générales, méthodes
d'essai et guide pratique
(CEI 60352-2:1990/A2:2002)

Lötfreie elektrische Verbindungen
Teil 2: Crimpverbindungen –
Allgemeine Anforderungen,
Prüfverfahren und Anwendungshinweise
(IEC 60352-2:1990/A2:2002)

STANDARD PREVIEW
(standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/0159c72b-1387-4499-b8bc-3c761d14d5ce/iec-60352-2:1990/a2:2002>

This amendment A2 modifies the European Standard EN 60352-2:1994; it was approved by CENELEC on 2002-03-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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, Malta, 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/1126/FDIS, future amendment 2 to IEC 60352-2:1990, 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 amendment A2 to EN 60352-2:1994 on 2002-03-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2002-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2005-03-01

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 amendment 2:2002 to the International Standard IEC 60352-2:1990 was approved by CENELEC as an amendment to the European Standard without any modification.

[SIST EN 60352-2:2002/A2:2003](https://standards.iteh.ai/catalog/standards/sist/0159c72b-1387-4499-b8bc-1fee960d1f0d/sist-en-60352-2-2002-a2-2003)

<https://standards.iteh.ai/catalog/standards/sist/0159c72b-1387-4499-b8bc-1fee960d1f0d/sist-en-60352-2-2002-a2-2003>

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

Replace the existing list of references by:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-581	1978	International Electrotechnical Vocabulary (IEV) - Chapter 581: Electromechanical components for electronic equipment	-	-
A1	1998		-	-
IEC 60068-1 + corr. October + A1	1988 1988 1992	Environmental testing Part 1: General and guidance	- - EN 60068-1	- - 1994
IEC 60130-7	1971	Connectors for frequencies below 3 MHz Part 7: Circular multipole connectors with bayonet or push-pull coupling	-	-
IEC 60189-3	1988	Low-frequency cables and wires with PVC insulation and PVC sheath Part 3: Equipment wires with solid or stranded conductor, PVC insulated, in singles, pairs and triples	-	-
A1	1989		-	-
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
IEC 60673	1980	Low-frequency miniature equipment wires with solid or stranded conductor, fluorinated polyhydrocarbon type insulation, single	-	-
A3	1989		-	-
IEC 60760 A1	1989 1993	Flat, quick-connect terminations	- -	- -
IEC 61210 (mod)	1993	Connecting devices - Flat quick-connect terminations for electrical copper conductors - Safety requirements	EN 61210	1995
IEC Guide 109	1995	Environmental aspects - Inclusion in electrotechnical product standards	-	-
ISO 6507-1	1997	Metallic materials - Vickers hardness test Part 1: Test method	EN ISO 6507-1	1997

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60352-2

1990

AMENDEMENT 2
AMENDMENT 2
2002-02

Amendement 2

Connexions sans soudure –

Partie 2:

Connexions serties sans soudure –
Règles générales, méthodes d'essai
et guide pratique

[SIST EN 60352-2:2002/A2:2003](https://standards.iteh.ai/catalog/standards/sist/0159c72b-1387-4499-b8bc-1cc90d10d/sist-en-60352-2-2002-a2-2003)

<https://standards.iteh.ai/catalog/standards/sist/0159c72b-1387-4499-b8bc-1cc90d10d/sist-en-60352-2-2002-a2-2003>

Amendment 2

Solderless connections –

Part 2:

Solderless crimped connections –
General requirements, test methods
and practical guidance

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

E

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by sub-committee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

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

FDIS	Report on voting
48B/1126/FDIS	48B/1172/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2004. At this date, the publication will be

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

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[SIST EN 60352-2:2002/A2:2003](https://standards.iteh.ai/catalog/standards/sist/0159c72b-1387-4499-b8bc-1fee960d1f0d/sist-en-60352-2-2002-a2-2003)

Normative references

<https://standards.iteh.ai/catalog/standards/sist/0159c72b-1387-4499-b8bc-1fee960d1f0d/sist-en-60352-2-2002-a2-2003>

Replace the existing list of references by the following new list:

IEC 60050(581):1978, *International Electrotechnical Vocabulary (IEV) – Chapter 581: Electromechanical components for electronic equipment*
Amendment 1 (1998)

IEC 60068-1:1988, *Environmental testing – Part 1: General and guidance*
Amendment 1 (1992)

IEC 60130-7:1971, *Connectors for frequencies below 3 MHz – Part 7: Circular multipole connectors with bayonet or push-pull coupling*

IEC 60189-3:1988, *Low-frequency cables and wires with PVC insulation and PVC sheath – Part 3: Equipment wires with solid or stranded conductor, PVC insulated, in singles, pairs and triples*
Amendment 1 (1989)

IEC 60512 (all parts), *Connectors for electronic equipment – Tests and measurements*

IEC 60512-1-100:2001, *Connectors for electronic equipment – Tests and measurements – Part 1-100: General – Applicable publications*

IEC 60673:1980, *Low-frequency miniature equipment wires with solid or stranded conductor, fluorinated polyhydrocarbon type insulation, single*
Amendment 3 (1989)

IEC 60760:1989, *Flat quick-connect terminations*
Amendment 1 (1993)

IEC 61210:1993, *Connecting devices – Flat quick-connect terminations for electrical copper conductors – Safety requirements*

IEC Guide 109:1995, *Environmental aspects – Inclusion in electrotechnical product standards*

ISO 6507-1:1997, *Metallic materials – Vickers hardness test – Part 1: Test method*

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INTRODUCTION

Add the following text at the end of the first paragraph:

IEC Guide 109 advocates the need to minimise the impact of a product on the natural environment throughout the product life cycle.

It is understood that some of the materials permitted in this standard may have a negative environmental impact.

As technological advances lead to acceptable alternatives for these materials, they will be eliminated from the standard.

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11.2 Mechanical tests

Add the following note after the title:

NOTE For crimped connections made with more than one wire, see 17.2.

11.2.1 Tensile strength

Replace the text and figure by the following new text and Table IV:

The test shall be carried out in accordance with Test 16d of IEC 60512: Tensile strength (crimped connections).

Unless otherwise specified by the manufacturer of the crimp barrel (terminal), the minimum values of the tensile strength given in Table IV shall be applied.