

Solderless connections - Part 4: Solderless non-accessible insulation displacement connections - General requirements, test methods and practical guidance - Amendment A1 (IEC 60352-4:1994/A1:2000)

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Solderless connections
Part 4: Solderless non-accessible insulation displacement connections -
General requirements, test methods and practical guidance
(IEC 60352-4:1994/A1:2000)

Connexions sans soudure
Partie 4: Connexions autodénudantes,
non accessibles sans soudure -
Règles générales, méthodes d'essai
et guide pratique
(CEI 60352-4:1994/A1:2000)

Lötfreie elektrische Verbindungen
Teil 4: Lötfreie nichtzugängliche
Schneidklemmverbindungen -
Allgemeine Anforderungen,
Prüfverfahren und Anwendungshinweise
(IEC 60352-4:1994/A1:2000)

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This amendment A1 modifies the European Standard EN 60352-4:1994; it was approved by CENELEC on 2000-11-01. 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, 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/908/FDIS, future amendment 1 to IEC 60352-4:1994, 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 A1 to EN 60352-4:1994 on 2000-11-01.

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) 2001-08-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2003-11-01

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 1:2000 to the International Standard IEC 60352-4:1994 was approved by CENELEC as an amendment to the European Standard without any modification.

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Annex ZA
(normative)

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
Add:				
IEC Guide 109	1995	Environmental aspects - Inclusion in electrotechnical product standards	-	-
IEC 60512-11-7	1996	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods Part 11: Climatic tests Section 7: Test 11g: Flowing mixed gas corrosion test	EN 60512-11-7	1996

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

60352-4

1994

AMENDEMENT 1
AMENDMENT 1
2000-07

Amendement 1

Connexions sans soudure –

Partie 4:

**Connexions autodénudantes, non accessibles
sans soudure – Règles générales,
méthodes d'essai et guide pratique**

[SIST EN 60352-4:2002/A1:2002](https://standards.iteh.ai/catalog/standards/sist/81c37bb3-e0bc-43af-9a68-60cc15e571dc/sist-en-60352-4-2002-a1-2002)

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Amendment 1

Solderless connections –

Part 4:

**Solderless non-accessible insulation
displacement connections –
General requirements, test methods and
practical guidance**

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International Electrotechnical Commission
Telefax: +41 22 919 0300

3, rue de Varembeé Geneva, Switzerland
e-mail: inmail@iec.ch IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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For price, see current catalogue

FOREWORD

This amendment has been prepared by subcommittee 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/908/FDIS	48B/937/RVD

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2003. At this date, the publication will be

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

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<https://standards.iteh.ai/catalog/standards/sist/81c37bb3-e0bc-43af-9a68-00cc15e571dc/sist-en-60352-4:2002-a1-2002>

Replace Section 4 and clauses 14 to 18 by the following:

SECTION 4 – PRACTICAL GUIDANCE

- 14 General
- 15 Tool information
- 16 Termination information
- 17 Wire information
- 18 Connection information
- 19 ID connections, open housing design
- 20 ID connections, closed housing design
- 21 General additional information about ID connections as part of a multi-pole connector
- 22 Final remarks

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INTRODUCTION

Add, after Figure 1, the following new text:

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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3 Normative references

Add the following new references:

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

IEC 60512-11-7:1996, *Electromechanical components for electronic equipment – Basic testing procedures and measuring methods – Part 11: Climatic tests – Section 7: Test 11g: Flowing mixed gas corrosion test*

[SIST EN 60352-4:2002/A1:2002](https://standards.iteh.ai/catalog/standards/sist/81c37bb3-e0bc-43af-9a68-00cc15e571dc/sist-en-60352-4-2002-a1-2002)

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12.4.3 Corrosion, industrial atmosphere

Replace the title and the text of this subclause by the following:

12.4.3 Flowing mixed gas, corrosion test

The test shall be carried out in accordance with test 11g of IEC 60512-11-7.

Unless otherwise specified by the detail specification, the following details shall apply:

Method: 1

Duration of exposure: 10 days

NOTE This test is a method with two mixed gases.

H₂S: 100 ± 20 (10⁻⁹ vol/vol)

SO₂: 500 ± 100 (10⁻⁹ vol/vol)

Replace the existing table 3 by the following new table 3:

Table 3 – Number of specimens required

Test schedule	Subclause	Non-reusable terminations			Reusable terminations		
		For one wire diameter only	For a range of wire diameters		For one wire diameter only	For a range of wire diameters	
			Maximum	Minimum		Maximum	Minimum
Basic test schedule 13.2	13.2.2.1	20 and 2 (optional) ^a	20 and 2 (optional) ^a	20 and 2 (optional) ^a	20 and 2 (optional) ^a	20 and 2 (optional) ^a	
	13.2.2.2				2 ^b and 2 (optional) ^c	2 ^b and 2 (optional) ^c	
Full test schedule 13.3	13.3.2.1.1	2 (optional) ^a	2 (optional) ^a	2 (optional) ^a	2 (optional) ^a	2 (optional) ^a	2 (optional) ^a
	13.3.2.1.2					20	20
	13.3.2.1.3					20	20
	13.3.2.1.4					20	20
	13.3.2.2			40 ^b and 2 (optional) ^c	40 ^b and 2 (optional) ^c		
^a for microsection							
^b for repeated connection (with the same termination, see 12.2.3)							
^c for repeated connection (with the same termination, see 12.2.3) and microsection							

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13.2.2.1 Testing of non-accessible ID connections with reusable or non-reusable terminations

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Replace the first sentence by the following:

For testing non-reusable ID terminations, 20 specimens and 2 specimens (optional) are required, and additionally, if terminations suitable for a range of wire diameters are to be tested, 20 specimens and 2 specimens (optional).

13.2.2.2 Additional testing of non-accessible ID connections with reusable terminations

Replace the first line by the following:

For testing reusable ID terminations additionally 2 specimens and 2 specimens (optional) are required.

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13.3.2.1 Testing of non-accessible ID connections with reusable or non-reusable terminations

Replace the first sentence by the following:

For testing non-reusable ID terminations, 60 specimens and 2 specimens optional are required, and additionally, if terminations suitable for a range of wire diameters are to be tested, 60 specimens and 2 specimens (optional).

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13.3.2.2 Additional testing of non-accessible ID-connections with reusable terminations

Replace the first line by the following:

For testing reusable ID terminations additionally 40 specimens and 2 specimens (optional) are required.

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