

SLOVENSKI STANDARD

SIST EN 61076-3:2009

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Connectors for electronic equipment - Product requirements - Part 3: Rectangular connectors - Sectional specification (IEC 61076-3:2008)

Steckverbinder für elektronische Einrichtungen - Produktanforderungen - Teil 3: Rechteckige Steckverbinder - Rahmenspezifikation (IEC 61076-3:2008)

Connecteurs pour équipements électroniques - Exigences de produit - Partie 3: Connecteurs rectangulaires - Spécification intermédiaire (CEI 61076-3:2008)

Ta slovenski standard je istoveten z: EN 61076-3:2008

ICS:

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Connectors

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en,fr

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61076-3

November 2008

ICS 31.220.10

Supersedes EN 61076-3:2000

English version

**Connectors for electronic equipment -
Product requirements -
Part 3: Rectangular connectors -
Sectional specification
(IEC 61076-3:2008)**

Connecteurs
pour équipements électroniques -
Exigences de produit -
Partie 3: Connecteurs rectangulaires -
Spécification intermédiaire
(CEI 61076-3:2008)

Steckverbinder
für elektronische Einrichtungen -
Produktanforderungen -
Teil 3: Rechteckige Steckverbinder -
Rahmenspezifikation
(IEC 61076-3:2008)

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SIST EN 61076-3:2009

This European Standard was approved by CENELEC on 2008-10-01. 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, Bulgaria, 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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 48B/1881/FDIS, future edition 2 of IEC 61076-3, 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 61076-3 on 2008-10-01.

This European Standard supersedes EN 61076-3:2000.

EN 61076-3:2008 includes the following significant technical changes with respect to EN 61076-3:2000:

- this European Standard no longer includes the quality assessment procedures. As described in EN 61076-1 and EN 62197-1, a new document structure has been established. EN 61076-3 has been revised to match with this updated structure. The title of this European Standard was also revised;
- Subclause 2.2 *Systems of levels* has been introduced;
- Subclause 2.5 *IEC type designation* has been removed following the decision according to 14.2 of the Berlin IEC/SC 48B Plenary meeting minutes (48B/1732/RM);
- Clauses 3 *Dimensional Information* and 4 *Characteristics* have been added;
- old Subclauses 4.2 to 4.4 have been moved to new Subclauses 5.3 to 5.5;
- Table 2 – *Number of test specimens and contacts* has been inserted;
- test groups have been rearranged. Test group HP has been added.

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 <http://standards.cenelec.eu/catalog/standards/sist/fa0edfc4-d8c9-4caa-9000-9876ca77e103/sist-en-61076-3-2009> (dop) 2009-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2011-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61076-3:2008 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60664-1	NOTE	Harmonized as EN 60664-1:2007 (not modified).
IEC 60999	NOTE	Harmonized in EN 60999 series (not modified).
IEC 61076-7-100	NOTE	Harmonized as EN 61076-7-100:2006 (not modified).
IEC 61984	NOTE	Harmonized as EN 61984:2001 (not modified).
IEC 62197-1	NOTE	Harmonized as EN 62197-1:2006 (not modified).

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 60068-1 + corr. October + A1	1988 1988 1992	Environmental testing - Part 1: General and guidance	EN 60068-1	1994
IEC 60352	Series	Solderless connections	EN 60352	Series
IEC 60512	Series	Connectors for electronic equipment - Tests and measurements	EN 60512	Series
IEC 60512-1-100	- ¹⁾	Connectors for electronic equipment - Tests and measurements - Part 1-100: General - Applicable publications	EN 60512-1-100	2006 ²⁾
IEC 61076-1	2006	Connectors for electronic equipment - Product requirements - Part 1: Generic specification	EN 61076-1	2006

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¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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IEC 61076-3

Edition 2.0 2008-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Connectors for electronic equipment – Product requirements –
Part 3: Rectangular connectors – Sectional specification**

**Connecteurs pour équipements électroniques – Exigences de produit –
Partie 3: Connecteurs rectangulaires – Spécification intermédiaire**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRONIC EQUIPMENT –
PRODUCT REQUIREMENTS –****Part 3: Rectangular connectors – Sectional specification**

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.
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International Standard IEC 61076-3 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 1999. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- 1) This International Standard no longer includes the quality assessment procedures. As described in IEC 61076-1 and IEC 62197-1 a new document structure has been established. IEC 61076-3 has been revised to match with this updated structure. The title of this International Standard was also revised.
- 2) Subclause 2.2, *Systems of levels* has been introduced.
- 3) Subclause 2.5, *IEC type designation* has been removed following the decision according to 14.2 of the Berlin SC 48B Plenary meeting minutes (48B/1732/RM).

- 4) Clauses 3 *Dimensional information* and 4 *Characteristics* have been added.
- 5) Old Subclauses 4.2 to 4.4 have been moved to new Subclauses 5.3 to 5.5.
- 6) Table 2 – *Number of test specimens and contacts* has been inserted.
- 7) Test groups have been rearranged. Test group HP has been added.

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

FDIS	Report on voting
48B/1881/FDIS	48B/1914/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 61076 series, under the general title *Connectors for electronic equipment – Product requirements*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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.

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CONNECTORS FOR ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 3: Rectangular connectors – Sectional specification

1 Scope

1.1 General considerations

This part of IEC 61076 establishes uniform specifications and technical information for rectangular connectors. It should be used in conjunction with the generic specification IEC 61076-1:2006 for product requirements as the basis for preparation of consistent detail product specifications for rectangular connectors.

NOTE 1 The quality assessment requirements for connectors according to the IEC 61076 series are detailed in IEC 62197-1.

NOTE 2 A detail quality specification, future IEC 62197-3-1XX should be prepared, based on the blank detail quality specification for rectangular connectors, future IEC 62197-3-001, and should be used in conjunction with the detail product specification IEC 61076-3-1XX.

1.2 Normative references

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.

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

IEC 60352 (all parts), *Solderless connections*

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

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

IEC 61076-1:2006, *Connectors for electronic equipment – Product requirements – Part 1: Generic specification*

2 Technical information

The detail product specification shall contain all necessary information which contributes to a proper application of the connectors. It will also provide specificities to enable a better understanding of the connectors and/or the connector family.

2.1 Terms and definitions

For the purposes of this document, the terms and definitions given in 2.1 of IEC 61076-1:2006 and IEC 60512-1 apply.