

SLOVENSKI STANDARD

SIST EN 61076-4:2002

01-september-2002

Connectors with assessed quality, for use in d.c., low frequency analogue and digital high-speed data applications - Part 4: Sectional specification - Printed board connectors (IEC 61076-4:1995)

Connectors with assessed quality, for use in d.c., low frequency analogue and in digital high-speed data applications -- Part 4: Sectional specification - Printed board connectors

Steckverbinder mit bewerteter Qualität für Gleichspannungs- und Niederfrequenzanwendungen sowie digitale Anwendungen mit hoher Übertragungsrate - Teil 4: Rahmenspezifikation für Steckverbinder für gedruckte Schaltungen

Connecteurs sous assurance de la qualité, pour utilisation dans le cadre d'applications analogiques en courant continu et à basse fréquence et dans le cadre d'applications numériques utilisant des débits élevés pour le transfert des données -- Partie 4: Spécification intermédiaire - Connecteurs pour cartes imprimées

Ta slovenski standard je istoveten z: EN 61076-4:1996

ICS:

31.220.10	Vtiļ i in vtiļ nice, konektorji	Plug-and-socket devices. Connectors
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61076-4

January 1996

CLC/TC 48D

ICS 31.220.10

Descriptors: Printed board connectors with assessed quality, high-speed data applications

English version

**Connectors with assessed quality, for use in d.c.,
low frequency analogue and in digital high-speed data applications
Part 4: Sectional specification
Printed board connectors
(IEC 1076-4:1995)**

Connecteurs sous assurance de la
qualité, pour utilisation dans le cadre
d'applications analogiques en courant
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le cadre d'applications numériques
utilisant des débits élevés pour le
transfert des données
Partie 4: Spécification intermédiaire
Connecteurs pour cartes imprimées
(CEI 1076-4:1995)

Gütebestätigte Steckverbinder für
analoge Gleichspannungs- und
Niederfrequenzanwendungen sowie
digitale Anwendungen mit hoher
Übertragungsrate
Teil 4: Rahmenspezifikation für
Steckverbinder für gedruckte
Schaltungen
(IEC 1076-4:1995)

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/364/DIS, future edition 1 of IEC 1076-4, 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 61076-4 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 1076-4:1995 was approved by CENELEC as a European Standard without any modification.

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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 352-1	1983	Solderless connections Part 1: Solderless wrapped connections General requirements, test methods and practical guidance	EN 60352-1	1994
IEC 352-2	1990	Part 2: Solderless crimped connections General requirements, test methods and practical guidance	EN 60352-2	1994
IEC 352-3	1993	Part 3: Solderless accessible insulation displacement connections - General requirements, test methods and practical guidance	EN 60352-3	1994
IEC 352-4	1994	Part 4: Solderless non-accessible insulation displacement connections - General requirements, test methods and practical guidance	EN 60352-4	1994
IEC 352-5	1995	Part 5: Solderless press-in connections General requirements, test methods and practical guidance	EN 60352-5	1995
IEC 917	1988	Modular order for the development of mechanical structures for electronic equipment practices	EN 60917	1990
A1	1993		A1	1994
IEC 917-2-2	1994	Part 2: Sectional specification - Interface co-ordination dimensions for the 25 mm equipment practice Section 2: Detail specification - Dimensions for subracks, chassis, backplanes, front panels and plug-in units	EN 60917-2-2	1996
IEC 1076-1	1995	Connectors with assessed quality, for use in d.c., low frequency analogue and in digital high-speed data applications Part 1: Generic specification	EN 61076-1	1995

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NORME INTERNATIONALE INTERNATIONAL STANDARD

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**Connecteurs sous assurance de la qualité,
pour utilisation dans le cadre d'applications
analogiques en courant continu et à basse
fréquence et dans le cadre d'applications
numériques utilisant des débits élevés
pour le transfert des données –**

iTeh STANDARD PREVIEW

**Partie 4:
Spécification intermédiaire –
Connecteurs pour cartes imprimées**

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**Connectors with assessed quality, for use
in d.c., low-frequency analogue and in digital
high-speed data applications –**

**Part 4:
Sectional specification –
Printed board connectors**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONNECTORS WITH ASSESSED QUALITY, FOR USE IN DC, LOW-FREQUENCY ANALOGUE AND IN DIGITAL HIGH-SPEED DATA APPLICATIONS -

Part 4: Sectional specification - Printed board connectors

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 cooperation 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.
- 2) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.

International Standard IEC 1076-4 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 standard is based on the following documents:

DIS	Report on voting
48B/364/DIS	48B/441/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 part 4 forms the sectional specification in the IEC quality assessment system for electronic components (IECQ) for printed board connectors.

The other parts form the generic specification and the sectional specifications, some being under consideration or in preparation:

IEC 1076-1: *Generic specification*

IEC 1076-2: *Sectional specification for circular connectors*

IEC 1076-3: *Sectional specification for rectangular connectors*

IEC 1076-5: *Sectional specification for removable contacts*

IEC 1076-6: Under consideration

The QC number that appears on the cover of this publication is the specification number of the IEC Quality Assessment System for Electronic Components (IECQ).

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CONNECTORS WITH ASSESSED QUALITY, FOR USE IN DC, LOW-FREQUENCY ANALOGUE AND IN DIGITAL HIGH-SPEED DATA APPLICATIONS -

Part 4: Sectional specification - Printed board connectors

1 General

1.1 Scope

This part of IEC 1076 establishes uniform specifications, type testing requirements and quality assessment procedures for a sub-family of connectors for printed board applications.

It contains a choice of all test methods and sequences, severities and preferred values for dimensions and characteristics.

It gives guidance on the rules for the preparation of detail specifications for printed board connectors of assessed quality, used in electronic and electrical equipment.

It should be used in conjunction with the generic specification IEC 1076-1 and with relevant detail specifications.

In the event of conflict between the sectional specification and the detail specification, the requirements of the detail specification should prevail.

NOTES

- 1 Connectors designed for use at radio frequencies are not covered in this standard.
- 2 As this family of connectors is suitable to be used in mechanical structures in accordance with IEC 917, a guide will be provided in the blank detail specification, future IEC 1076-4-001.

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 1076. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 1076 are encouraged to investigate the possibility of applying the most recent editions of the normative documents listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 352-1: 1983, *Solderless connections – Part 1: Solderless wrapped connections – General requirements, test methods and practical guidance*