

SLOVENSKI STANDARD

SIST EN 61076-4-001:2002

01-september-2002

Connectors with assessed quality, for use in d.c., low frequency analogue and digital high-speed data applications - Part 4: Printed board connectors - Section 001: Blank detail specification (IEC 61076-4-001:1996)

Connectors with assessed quality, for use in d.c., low-frequency analogue and in digital high-speed data applications -- Part 4: Printed board connectors -- Section 001: Blank detail specification

Steckverbinder mit bewerteter Qualität für Gleichspannungs- und Niederfrequenzanwendungen sowie digitale Anwendungen mit hoher Übertragungsrate - - Teil 4: Steckverbinder für gedruckte Schaltungen -- Hauptabschnitt 001: Vordruck für Bauartspezifikation

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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 -- Partie 4: Connecteurs pour cartes imprimées -- Section 001: Spécification particulière cadre

Ta slovenski standard je istoveten z: EN 61076-4-001:1996

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 61076-4-001

November 1996

ICS 31.220.10

Descriptors: Printed board connectors with assessed quality, blank detail specification

English version

**Connectors with assessed quality, for use in d.c., low-frequency
analogue and in digital high-speed data applications
Part 4: Printed board connectors
Section 001: Blank detail specification
(IEC 1076-4-001:1996)**

Connecteurs sous assurance de la
qualité, pour utilisation dans le cadre
d'applications analogiques en courant
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cadre d'applications numériques
utilisant des débits élevés pour le
transfert des données

Partie 4: Connecteurs pour cartes
imprimées

Section 001: Spécification particulière
cadre

(CEI 1076-4-001:1996)

Steckverbinder mit bewerteter Qualität
für Gleichspannungs- und
Niederfrequenzanwendungen sowie
digitale Anwendungen mit hoher
Übertragungsrate

Teil 4: Steckverbinder für gedruckte
Schaltungen

Hauptabschnitt 001: Vordruck für
Bauartspezifikation

(IEC 1076-4-001:1996)

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b012f5c525d0/sist-en-61076-4-001-2002

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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.

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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/465/FDIS, future edition 1 of IEC 1076-4-001, 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 61076-4-001 on 1996-10-01.

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) 1997-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 1997-07-01

Annexes designated "normative" are part of the body of the standard.

In this standard, annexes A, B and ZA are normative.

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 1076-4-001:1996 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 68-2-60 TTD	1990 ¹⁾	Environmental testing Part 2: Tests - Test Ke: Corrosion tests in artificial atmosphere at very low concentration of polluting gas(es)	-	-
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 - Capability approval	EN 61076-1	1995
IEC 1076-4	1995	Part 4: Sectional specification - Printed board connectors	EN 61076-4	1996

1) IEC 68-2-60:1995 is harmonized as EN 60068-2-60:1996.

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INTERNATIONAL
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1076-4-001

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First edition
1996-08

**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 –**

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Partie 4:

Connecteurs pour cartes imprimées –

Section 001: Spécification particulière cadre

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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:

Printed board connectors –

Section 001: Blank detail specification

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Pour prix, voir catalogue en vigueur
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: Printed board connectors – Section 001: Blank detail specification

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 co-operation 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, express as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 1076-4-001 has been prepared by subcommittee 48B: Connectors, of 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/465/FDIS	48B/513/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.

Annexes A and B form an integral part of this standard.

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

INTRODUCTION

In prior years, IEC subcommittee 48B had prepared detail specifications as part of a two-level document system. When the IECQ system was introduced, SC48B was urged to consider changing to the four-level specification system as described in IEC Guide 102. This blank detail specification is part of that four-level document system.

This blank detail specification is a supplementary document to the sectional specification IEC 1076-4 and contains requirements for style, lay-out and minimum content of detail specifications.

For the scope and definition of this blank detail specification, see 1.2.2 of IEC 1076-1 and 1.1 of IEC 1076-4.

Detail specifications not complying with these requirements shall not be considered as being in accordance with the IECQ system, nor shall they be so described.

The complete requirements for the printed board connectors described herein should correspond to this blank detail specification and the current issues of IEC 1076-1 and IEC 1076-4.

In the preparation of detail specifications, the contents of 1.2.3 of IEC 1076-1 should be taken into account.

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* In order to facilitate the use of this standard, the guide and text pages are printed side by side. French pages are followed immediately by the English pages. This layout applies from page 12 to page 123.

[1]	Numéro de la spécification particulière [2]
Numéro de la spécification générique Composants électroniques sous assurance de la qualité en conformité avec: [3]	Numéro de la spécification particulière cadre [4]
Dessin d'encombrement [7]	Description du produit [5]
	[6]
	[8] Niveau(x) de performance: Niveau(x) d'assurance: Combinaison des niveaux de performance et des niveaux d'assurance:
[9] Se référer à la liste des produits homologués pour connaître les composants disponibles homologués conformes à cette spécification particulière.	

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1 Informations générales

SIST EN 61076-4-001:2002

1.1 Méthode de montage recommandée

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Voir annexe A, guide dans la mise en oeuvre de ces connecteurs dans les structures mécaniques, selon la CEI 917.

1.1.1 Nombre de contacts ou d'alvéoles

1.2 Valeurs nominales et caractéristiques

Tension nominale	Courant nominal à 70 °C
Résistance d'isolement	Catégorie climatique
Epaisseur de la carte imprimée	Espacement des contacts

[1]	Detail specification number [2]
Generic specification number Electronic components of assessed quality in accordance with : [3]	Blank detail specification number [4]
Outline drawing [7]	Product description [5]
	[6]
	[8] Performance level(s): Assessment level(s): Combination of performance levels and assessment levels:
[9] Information on the availability of components qualified to this detail specification is given in the qualified products list.	

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1 General data

1.1 Recommended method of mounting

See annex A for guide on the application of these connectors in mechanical structures according to IEC 917.

1.1.1 Number of contacts or contact cavities

1.2 Ratings and characteristics

Rated voltage

Current rating at 70 °C

Insulation resistance

Climatic category

Printed board thickness

Contact spacing

1.3 Références normatives

Les documents normatifs suivants contiennent des dispositions qui, par suite de la référence qui y est faite, constituent des dispositions valables pour la présente section de la CEI 1076-4. Au moment de la publication, les éditions indiquées étaient en vigueur. Tout document normatif est sujet à révision et les parties prenantes aux accords fondés sur la présente section de la CEI 1076-4 sont invitées à rechercher la possibilité d'appliquer les éditions les plus récentes des documents normatifs indiqués ci-après. Les membres de la CEI et de l'ISO possèdent le registre des normes internationales en vigueur.

CEI 68-2-60TTD: 1990, *Essais d'environnement – Partie 2: Essais – Essai Ke: Essais de corrosion en atmosphère artificielle à très basse concentration de gaz polluant(s)*

CEI 1076-1: 1995, *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 de données – Partie 1: Spécification générique*

CEI 1076-4: 1995, *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*

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1.4 Marquage

Le marquage du connecteur et de son emballage doit être conforme à 2.6 de la CEI 1076-4.

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