SLOVENSKI STANDARD
SIST EN 61076-3-001:2002

01-september-2002

Connectors with assessed quality, for use in d.c., low frequency analogue and digital high-speed data applications - Part 3-001: Rectangular connectors with assessed quality - Blank detail specification (IEC 61076-3-001:1996)

Connectors for use in d.c., low-frequency analogue and digital high-speed data applications -- Part 3-001: Rectangular connectors with assessed quality - Blank detail specification

Steckverbinder für Gleichspannungs- und Niederfrequenzanwendungen sowie digitale Anwendungen mit hoher Übertragungsrate -- Teil 3-001: Rechteckige Steckverbinder mit bewerteter Qualität - Vordruck für Bauartspezifikation

Connecteurs pour applications analogiques en courant continu et basse fréquence et pour applications numériques utilisant des débits élevés pour le transfert des données -- Partie 3-001: Connecteurs rectangulaires sous assurance de la qualité - Spécification particulière cadre

Ta slovenski standard je istoveten z: **EN 61076-3-001:2000**

ICS:

31.220.10	Vtiļ i in vtiļ nice, konektorji	Plug-and-socket devices. Connectors

SIST EN 61076-3-001:2002 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61076-3-001

January 2000

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English version

Connectors for use in d.c., low-frequency analogue and digital high-speed data applications Part 3-001: Rectangular connectors with assessed quality Blank detail specification (IEC 61076-3-001:1999)

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(IEC 61076-3-001:1999)

This European Standard was approved by CENELEC on 2000-01-01. 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, 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

Ref. No. EN 61076-3-001:2000 E

Foreword

The text of document 48B/791/FDIS, future edition 1 of IEC 61076-3-001, 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 61076-3-001 on 2000-01-01.

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) 2000-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2003-01-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annexes A and ZA are normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61076-3-001:1999 was approved by CENELEC as a European Standard without any modification.

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.

Publication	Year	Title	EN/HD	Year
IEC 60068-2-60	1995	Environmental testing Part 2: Tests - Test Ke: Flowing mixed gas corrosion test	EN 60068-2-60	1996
IEC 61076-3	1999	Connectors for use in d.c., low-frequency analogue, and digital high-speed data applications Part 3: Rectangular connectors with assessed quality - Sectional specification	EN 61076-3	2000

INTERNATIONAL STANDARD

IEC 61076-3-001

QC 480201

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

Part 3-001: Rectangular connectors with assessed quality – Blank detail specification

Connecteurs pour applications analogiques en courant continu et basse fréquence et pour applications numériques utilisant des débits élevés pour le transfert des données –

Partie 3-001:
Connecteurs rectangulaires sous assurance de la qualité – Spécification particulière cadre

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Commission Electrotechnique Internationale
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Международная Электротехническая Комиссия

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For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 3-001: Rectangular connectors with assessed quality – 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 specifications, 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.
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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. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61076-3-001 has been prepared by subcommittee 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:

FDIS	Report on voting
48B/791/FDIS	48B/820/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.

Annex A forms an integral part of this standard.

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

The committee has decided that this publication remains valid until 2004. At this date, in accordance with the committee's decision, the publication will be

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

A bilingual version of this standard may be issued at a later date.

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, SC 48B 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 61076-3 and contains requirements for style, lay-out and minimum content of detail specifications. It is to be used in conjunction with the following publications: IEC 61076-1 and IEC 61076-3.

For the scope and definition of this blank detail specification, see 1.2.2 of IEC 61076-1 and 1.1 of IEC 61076-3.

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 rectangular connectors described herein should correspond to this blank detail specification and the current issues of IEC 61076-1 and IEC 61076-3.

In the preparation of detail specifications, the contents of 1.2.3 of IEC 61076-1 should be taken into account.

Guidance notes

The following pages give a recommended layout of a detail specification. The contents of this page give guidance on the information which should, wherever possible, be given on the front page of a detail specification (see IEC Guide 102).

For the scope and definition of a detail specification, see 1.2.3 of IEC 61076-1.

The numbers between brackets on the front page of the detail specification correspond to the following information.

Identification of the detail specification

[1] The International Electrotechnical Commission or the national standards organization under whose authority the detail specification is drafted. It shall also be stated where the detail specification may be obtained.

[2] The IECQ/IEC number of the detail specification and date of issue.

[3] The IECQ/IEC number and issue number of the generic and the sectional specifications.

[4] The national number of the detail specification, if it differs from the IECQ/IEC number.

Identification of the connector

[5] A short description of the type of connector.

[6] Information on the typical construction of the connector, for example, it should be stated whether the connector is suitable for mounting on printed boards.

[7] Outline drawing, preferably of isometric or similar projection, from which the connector may be clearly identified.

[8] Information on performance level(s) and assessment level(s) specified in the document.

[9] Reference data on the most important properties, to allow comparison between the various connector types.

NOTE It may be convenient to give some of this information in tabular form.

<table>
<tr><td>[1]</td><td>IECQ/IEC
Detail specification
number
[2]</td></tr>
<tr><td>Generic specification number

Electronic components of assessed quality in accordance with:

[3]</td><td>National number of detail
specification
(it is not necessary to use this if the
IECQ/IEC number is identical)
[4]</td></tr>
<tr><td>Outline drawing

[7]</td><td>Product description
[5]</td></tr>
<tr><td rowspan="3"></td><td>[6]</td></tr>
<tr><td>[8]

Performance level(s):

Assessment level(s):

Combination of
performance levels
and assessment
levels:</td></tr>
<tr><td>Reference data
[9]</td></tr>
<tr><td colspan="2">Information on the availability of components qualified to this detail specification is given in the qualified products lists.</td></tr>
</table>

1 General information

1.1 Recommended method of mounting

For guidance on the application of these connectors in mechanical structures, see annex A of IEC 60917.

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
Contact spacing	

Guidance notes

1.3 Reference documents

It may be necessary to refer to other documents in addition to those stated, in which case the list of related documents shall be extended beyond those referenced.

If standards are referenced which are already listed in IEC 61076-1 and IEC 61076-3, their reference shall not be repeated in 1.5 of the detail specification.

1.4 Marking

The marking of the connector and the package shall be in accordance with 2.6 of IEC 61076-3.

1.3 Reference documents

IEC 60068-2-60:1995, *Environmental testing – Part 2: Tests – Test Ke: Flowing mixed gas corrosion test*

IEC 61076-3:1999, *Connectors for use in d.c., low-frequency analogue and digital high speed data applications – Part 3: Rectangular connectors with assessed quality – Sectional specification*

1.4 Marking