
**Konektorji za elektronsko opremo - 2-001. del: Okrogli konektorji - Okvirna
podrobna specifikacija (IEC 61076-2-001:2001)**

(istoveten EN 61076-2-001:2001)

Connectors for electronic equipment - Part 2-001: Circular connectors - Blank detail
specification (IEC 61076-2-001:2001)

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Connectors for electronic equipment
Part 2-001: Circular connectors -
Blank detail specification
(IEC 61076-2-001:2001)

Connecteurs pour équipements
électroniques
Partie 2-001: Connecteurs circulaires -
Spécification particulière cadre
(CEI 61076-2-001:2001)

Steckverbinder für elektronische
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This European Standard was approved by CENELEC on 2001-12-01. 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, Malta, 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/1085/FDIS, future edition 1 of IEC 61076-2-001, 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 61076-2-001 on 2001-12-01.

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) 2002-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2001-12-01

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 61076-2-001:2001 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 60917	Series	Modular order for the development of mechanical structures for electronic equipment practices	EN 60917	Series
IEC 61076-2	- ¹⁾	Connectors for use in d.c. low-frequency analogue and in digital high-speed data applications Part 2: Circular connectors with assessed quality - Sectional specification	EN 61076-2	1999 ²⁾

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1) Undated reference.

2) Valid edition at time of issue.

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**Circular connectors –
Blank detail specification**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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For price, see current catalogue*

CONTENTS

FOREWORD	7
INTRODUCTION	11
1 General information	15
1.1 Scope	15
1.2 Number of contacts or contact cavities	15
1.2.1 Rear or panels mounting for fixed connectors	15
1.2.2 Contact mounting for fixed, front or rear release	15
1.3 Ratings and characteristics	15
1.4 Normative references	18
1.5 Marking	18
1.6 IEC type designation	22
1.7 Ordering information	22
2 Technical information	26
2.1 Definitions	26
2.2 Survey of styles and variants	26
2.3 Information on application	26
2.3.1 Complete connectors (pairs)	26
2.3.2 Fixed connectors	26
2.3.3 Free connectors	26
2.3.4 Accessories	30
2.3.5 Shielding/grounding	30
2.3.6 Basic type of terminations	30
2.4 Contact arrangements	30
3 Drawings and dimensions	34
3.1 General	34
3.2 Isometric view and common features	34
3.2.1 Common features	38
3.2.2 Height dimensions	38
3.2.3 Depth dimensions	38
3.3 Engagement (mating) information	42
3.3.1 Engaging (mating) direction	42
3.3.2 Inclination	42
3.4 Fixed connectors	42
3.4.1 Dimensions	42
3.4.2 Terminations	42
3.5 Free connectors	46
3.5.1 Dimensions	46
3.5.2 Terminations	46
3.6 Accessories	46
3.7 Mounting information for fixed connectors	46
3.7.1 Mounting on printed boards	46
3.7.2 Mounting on panels	50
3.8 Assembly information for free connectors	50

3.9	Gauges	50
3.9.1	Sizing gauges and retention force gauges	50
3.9.2	Endurance, engaging/separating/insertion/withdrawal force gauges	54
3.9.3	Probes	54
3.9.4	Test panel (for voltage proof test)	54
4	Characteristics	58
4.1	Climatic category	58
4.2	Electrical	58
4.2.1	Creepage and clearance distances	58
4.2.2	Voltage proof	58
4.2.3	Current-carrying capacity	62
4.2.4	Contact resistance	62
4.2.5	Insulation resistance	62
4.3	Mechanical	62
4.3.1	Mechanical operation	62
4.3.2	Engaging and separating forces (or insertion and withdrawal forces)	66
4.3.3	Contact retention in insert	66
4.3.4	Polarizing method	66
5	Test schedule	70
5.1	General	70
5.1.1	Arrangement for contact resistance measurement	70
5.1.2	Arrangement for dynamic stress tests	70
5.1.3	Arrangement for testing static load, axial	70
5.1.4	Wiring of specimens	70
5.2	Test schedules	74
5.2.1	Basic (minimum) test schedule	74
5.2.2	Full test schedule	78
6	Quality assessment procedures	134
Annex A (normative) New test and additional test phases		137

INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONNECTORS FOR ELECTRONIC EQUIPMENT –**Part 2-001: Circular connectors –
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.
- 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.
- 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 61076-2-001 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/1085/FDIS	48B/1116/RVD

Full information for the approval of this standard can be found in the report on voting indicated in the above table.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated when a new edition is prepared.

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

Annex A forms an integral part of this specification.

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).

It should be used in conjunction with the applicable sectional specification, see 1.1 of IEC 61076-2.

The committee has decided that the contents of this publication will remain unchanged until 2002. At this date, the publication will be

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

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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 61076-2 and contains requirements for style, lay-out, and the minimum content of detail specifications.

For the scope and definition of this blank detail specification, see 1.2 of IEC 61076-1 and 1.1 of IEC 61076-2.

Detail specifications not complying with these requirements should not be considered as being in accordance with the IECQ system, and should not be so described.

The complete requirements for the circular connectors described herein should correspond to this blank detail specification and the current issues of IEC 61076-1 and IEC 61076-2.

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

NOTE In order to facilitate the use of this standard, 'Guidance notes' are provided on the left page and the matching clause numbers are on the right page. French pages are followed immediately by English pages. The 'Guidance notes' are provided to aid the specification preparer in writing a more complete and accurate document. They represent the minimum information necessary. The specification preparer is encouraged to add figures or additional text that will make the requirements clearer to the user.

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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 should also be stated where the detail specification can be obtained.
- (2) The IECQ QC number of the detail specification and date of issue.
- (3) The IECQ QC number and issue number of the generic specification.
- (4) Any information required by the national systems.

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 or not the connector is suitable for mounting on panels.
- (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 for some of this information to be given in tabular form.

[1]	IECQ/IEC Detail specification number [2]
Generic specification number Electronic components of assessed quality in accordance with: [3]	National number of detail specification (it is not necessary to use this if the IECQ/IEC number is identical) [4]
Outline drawing [7]	Product description [5]
	[6]
	[8] Performance level(s): Assessment level(s): Combination of performance levels and assessment levels:
SIST EN 61076-2-001:2007 https://standards.iteh.ai/catalog/standards/sist/456a3d51-eae9-40bc-98fe-2804-bd6f08ca1e61/iec-61076-2-001-2007	Reference data [9]
Information on the availability of components qualified to this detail specification is given in the qualified products lists.	

1 General information

1.1 Scope

This part of IEC 61076 establishes uniform specifications, type testing requirements and quality assessment procedures for a subfamily of circular connectors.

1.2 Number of contacts or contact cavities

1.2.1 Rear or panes mounting for fixed connectors

1.2.2 Contact mounting for fixed, front or rear release

1.3 Ratings and characteristics

Rated voltage

Current-carrying capacity

Insulation resistance

Climatic category

Creepage and clearance distances

Guidance notes

1.4 Normative references

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

Where reference is made to standards already listed in IEC 61076-1 and IEC 61076-2, such listing shall not be repeated in 1.4 of the detail specification.

1.5 Marking

The marking of the connector and the package shall be in accordance with 2.6 of IEC 61076-1.

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