

Connectors for electronic equipment - Product requirements - Part 2: Sectional specification for circular connectors

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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 61076-2:2011 sisaldab Euroopa standardi EN 61076-2:2011 ingliskeelset teksti.	This Estonian standard EVS-EN 61076-2:2011 consists of the English text of the European standard EN 61076-2:2011.
Standard on kinnitatud Eesti Standardikeskuse 31.08.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 31.08.2011 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 29.07.2011.	Date of Availability of the European standard text 29.07.2011.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

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English version

**Connectors for electronic equipment -
Product requirements -
Part 2: Sectional specification for circular connectors
(IEC 61076-2:2011)**

Connecteurs pour équipements
électroniques -
Exigences de produit -
Partie 2: Spécification intermédiaire pour
les connecteurs circulaires
(CEI 61076-2:2011)

Steckverbinder für elektronische
Einrichtungen -
Produktanforderungen -
Teil 2: Rahmenspezifikation für
Rundsteckverbinder
(IEC 61076-2:2011)

This European Standard was approved by CENELEC on 2011-07-26. 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.

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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, Croatia, 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

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Foreword

The text of document (48B/2240/FDIS), future edition 2 of IEC 61076-2, 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 on 2011-07-26.

This European Standard supersedes EN 61076-2:1999.

EN 61076-2:2011 includes the following significant technical changes with respect to EN 61076-2:1999:

- a) 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 61076-2 has been revised to reflect this updated structure.
- b) Subclause 3.2, *Systems of levels* has been introduced.
- c) The subclause on EN type designation has been removed.
- d) Clauses 4 *Dimensional information* and 5 *Characteristics* have been added.
- e) Some clauses and test groups have been rearranged. Test group HP has been added.

This standard is to be used in conjunction with EN 61076-1 and EN 62197-1.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

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|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2012-04-26 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2014-07-26 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61076-2:2011 was approved by CENELEC as a European Standard without any modification.

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	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
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	-	Connectors for electronic equipment - Tests and measurements - Part 1-100: General - Applicable publications	EN 60512-1-100	-
IEC 61076-1	2006	Connectors for electronic equipment - Product requirements - Part 1: Generic specification	EN 61076-1	2006
IEC 61076-2-001	-	Connectors for electronic equipment - Product requirements - Part 2-001: Circular connectors - Blank detail specification	EN 61076-2-001	-
IEC 62197-1	-	Connectors for electronic equipment - Quality assessment requirements - Part 1: Generic specification	EN 62197-1	-

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CONNECTORS FOR ELECTRONIC EQUIPMENT – PRODUCT REQUIREMENTS –

Part 2: Sectional specification for circular connectors

1 Scope

This part of IEC 61076 establishes uniform specifications and technical information for circular connectors. It should be used in conjunction with the generic specification IEC 61076-1:2006 for product requirements and with IEC 62197-1 for quality requirements as the basis for preparation of consistent detail product specifications for circular connectors.

NOTE 1 It is intended that a detail quality specification, IEC 62197-2-1XX, be prepared, based on the blank detail specification for circular connectors IEC 62197-2-001, to be used in addition to the corresponding detail product specification IEC 61076-2-1XX..

NOTE2 The quality assessment requirements for connectors according to the IEC 61076series are detailed in IEC 62197-1.

In the event of conflict between this sectional specification and the detail product specification, it is intended that the requirements of the detail product specification prevail.

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, *Environmental testing – Part 1: General and guidance*

IEC 60352 (all parts), *Solderless connections*

IEC 60512 (all parts), *Connectors for electronic equipment – Basic testing procedures and measuring methods*

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*

IEC 61076-2-001, *Connectors for electronic equipment – Part 2-001: Circular connectors – Blank detail specification*

IEC 62197-1, *Connectors for electronic equipment – Quality assessment requirements – Part 1: Generic specification*

3 Technical information

3.1 Terms and definitions

Terminology used in and applicable to this International Standard is stated in 2.1 of IEC 61076-1. IEC 60512-1 also contains applicable terms.