

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Connecteurs pour équipements électroniques – Exigences de produit –
Partie 2: Spécification intermédiaire pour les connecteurs circulaires**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRONIC EQUIPMENT –
PRODUCT REQUIREMENTS –****Part 2: Sectional specification for circular connectors**

FOREWORD

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International Standard IEC 61076-2 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This second edition cancels and replaces the first edition of IEC 61076-2 (1998). This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- This International Standard no longer includes the quality assessment procedures. As described in IEC 61076-1 and IEC 62197-1, a new document structure has been established. IEC 61076-2 has been revised to reflect this updated structure.
- Subclause 3.2, *Systems of levels* has been introduced.
- The subclause on IEC type designation has been removed.

- Clauses 4 *Dimensional information* and 5 *Characteristics* have been added.
- Some clauses and test groups have been rearranged. Test group HP has been added.

The text of this standard is based on the following documents:

FDIS	Report on voting
48B/2240/FDIS	48B/2247/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 publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61076 series, published under the general title *Connectors for electronic equipment – Product requirements*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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- withdrawn,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

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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.