
Konektorji za elektronsko opremo - 7. del: Podrobna specifikacija za 8-redne, nezaslonjene, proste in fiksne konektorje - Dopolnilo A2 (IEC 60603-7:2008/A2:2019)

Connectors for electronic equipment - Part 7: Detail specification for 8-way, unshielded, free and fixed connectors (IEC 60603-7:2008/A2:2019)

Steckverbinder für elektronische Einrichtungen - Teil 7: Bauartspezifikation für ungeschirmte freie und feste Steckverbinder, 8polig (IEC 60603-7:2008/A2:2019)

Connecteurs pour équipements électroniques - Partie 7: Spécification particulière pour les fiches et les embases non écranées à 8 voies (IEC 60603-7:2008/A2:2019)

Ta slovenski standard je istoveten z: EN 60603-7:2009/A2:2019

ICS:

31.220.10 Vtiči in vtičnice, konektorji Plug-and-socket devices.
Connectors

SIST EN 60603-7:2010/A2:2019 en

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[SIST EN 60603-7:2010/A2:2019](https://standards.iteh.ai/catalog/standards/sist/77fd2422-21f4-4172-80e5-16a7fe286b81/sist-en-60603-7-2010-a2-2019)

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EUROPEAN STANDARD

EN 60603-7:2009/A2

NORME EUROPÉENNE

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English Version

Connectors for electronic equipment - Part 7: Detail specification
for 8-way, unshielded, free and fixed connectors
(IEC 60603-7:2008/A2:2019)

Connecteurs pour équipements électroniques - Partie 7:
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écranées à 8 voies
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Steckverbinder für elektronische Einrichtungen - Teil 7:
Bauartspezifikation für ungeschirmte freie und feste
Steckverbinder, 8polig
(IEC 60603-7:2008/A2:2019)

This amendment A2 modifies the European Standard EN 60603-7:2009; it was approved by CENELEC on 2019-02-15. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CEN-CENELEC Management Centre or to any CENELEC member.

This amendment 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 CEN-CENELEC Management Centre has the same status as the official versions.

<https://standards.iteh.ai/catalog/standards/sist/77fd2422-21f4-4172-80e5->

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 60603-7:2009/A2:2019 (E)**European foreword**

The text of document 48B/2679/FDIS, future IEC 60603-7:2008/A2, prepared by SC 48B "Electrical connectors" of IEC/TC 48 "Electrical connectors and mechanical structures for electrical and electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60603-7:2009/A2:2019.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2019-11-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-02-15

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The text of the International Standard IEC 60603-7:2008/A2:2019 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

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Add the following reference :

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61076-3	2008	Connectors for electronic equipment Product requirements - Part 3: Rectangular connectors - Sectional specification	-EN 61076-3	2008

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IEC 60603-7

Edition 3.0 2019-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Connectors for electronic equipment –
Part 7: Detail specification for 8-way, unshielded, free and fixed connectors**

**Connecteurs pour équipements électroniques –
Partie 7: Spécification particulière pour les fiches et les embases non écrantées
à 8 voies**

INTERNATIONAL
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FOREWORD

This amendment has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

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

FDIS	Report on voting
48B/2679/FDIS	48B/2689/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website 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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1.1 Scope

Add the following new paragraph at the end of the subclause:

Annex E (normative) is added to provide details regarding the levels of compatibility to be declared by the manufacturer as appropriate.

1.2 Normative references

Add the following new reference:

IEC 61076-3:2008, *Connectors for electrical and electronic equipment – Product requirements – Part 3: Rectangular connectors – Sectional specification*

2 Terms and definitions

Replace definitions 2.1 and 2.2 with the following:

2.1

intermateability

intermateability (level 2 of IEC 61076-1:2006) is ensured by application of the “Go” and “No-Go” gauge requirements in the standards that may be referenced, and by adherence to the dimensional requirements within

SEE: Clause E.3.

**2.2
interoperability**

interoperability of different IEC 60603-7 connectors and of IEC 60603-7 connectors with connectors of other families (e.g. IEC 61076-3 series) is ensured by compliance with the specified interface dimensions, when they have the same number of contacts, the same electrical wiring-related dimensions and when the lowest electrical, mechanical and climatic performance (performance level) among the two connectors is suitable for the intended application

SEE: Clause E.5.

Add, after Subclause 2.4, the following new terms and definitions:

**2.5
number of contacts**

number of contacts (or ways) that a connector owns, including the protective and/or functional earth contact(s), if any

Note 1 to entry: A connector for removable contacts is characterized by its number of contact positions (seats): its number of contacts (ways) may be lower than the number of contact positions (seats).

Note 2 to entry: The same number of contacts does not grant the same electrical interface: the geometry of said contacts may be different while their number is the same.

**2.6
overall dimensions**

dimensions providing the overall space occupied by a connector

Note 1 to entry: Two connectors of the same gender may have the same overall dimensions but different mounting dimensions and/or different interface dimensions.

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**2.7
interface dimensions**

set of dimensions required to fully describe the connector's mating interface, belonging to both the connector insert and to the relevant electric contacts

Note 1 to entry: Interface dimensions enable the proper functioning of a mated set of connectors according to the relevant product detail specification or manufacturer's detail specification.

Note 2 to entry: Two connectors with same interface dimensions have the same number of contact seats (or positions), whereas they may not show the same number of contacts (ways).

**2.8
mounting dimensions**

dimensions enabling the mounting of a connector

Note 1 to entry: Examples of mounting dimensions are panel cutout size, size and interaxes of fixing holes or threads.

Note 2 to entry: The geometry of the mounting interface of Printed Circuit Board connectors to the PCB belongs to the mounting dimensions: two Printed Circuit Board connectors of the same gender with the same mounting dimensions share the same pattern and pitch of their contacts.

Note 3 to entry: Two connectors not of the Printed Circuit Board type of the same gender with the same mounting dimensions may have different interface dimensions.

Note 4 to entry: Two connectors of the same gender with the same mounting dimensions may have different overall dimensions.

**2.9
electrical wiring-related dimensions**

dimensions related to the wiring of the connector, i.e. to its number and type of contacts (ways)