IEC 60603-7

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INTERNATIONAL STANDARD

colour inside

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

INTERNATIONAL
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COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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CONNECTORS FOR ELECTRONIC EQUIPMENT –

Part 7: Detail specification for 8-way, unshielded, free and fixed connectors

FOREWORD

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This redline version of the official IEC Standard allows the user to identify the changes made to the previous edition. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.

International Standard IEC 60603-7 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment.

This fourth edition cancels and replaces the third edition, published in 2008, its Amendment 1:2011 and its Amendment 2:2019. It constitutes a technical revision.

This edition includes the following significant technical change with respect to the previous edition:

– Revised the definitions for intermateability and interoperability; added new definitions.
– Corrected dimension line for dimension AZ2 in Figure 5.
– Corrected dimension line for dimension F1 in Figure A.1.
– Revised the reference to ISO/IEC 11801 to ISO/IEC 11801-1.
– Added lower limiting temperature and upper limiting temperature definitions.
– Revised Table 1 to Table 8 so the column order is Minimum-Nominal-Maximum dimensions (ascending order).
– Corrected Table 7: Climatic category and Upper temperature values to 90 °C (to be consistent with the graph in Figure 10 and Note 1 in Figure 10).
– Revised the wording in 8.2, contact resistance, for clarification.
– Revised Figure 11 and Figure 12 and the wording in the Key below for clarification.
– Removed the sentences under the figure in the Introduction.
– Added Annex E.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
48B/2832/FDIS	8B/2843/RVD

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of IEC 60603-7 series, under the general title *Connectors for electronic equipment*, can be found on the IEC website.

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

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

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTRODUCTION

IEC 60603-7 is the base specification of the whole series. Subsequent specifications do not duplicate information given in the base document, but list only additional requirements. For complete specifications regarding a component of a higher numbered document, all lower numbered documents must be considered as well. Figure 1 shows the interrelation of the documents.

~~It should be noted that during the preparation of the third edition of IEC 60603-7, the subcommittee 48B Cat 6&7 project team members determined the current de-rating curve in the standard was not correct. Several experts researched the current rating-temperature rise measurements for 60603-7 style connectors and verified that the de-rating curve in the published standard has been incorrect for many years. A corrected figure (Figure 10) has been prepared and inserted in this edition.~~

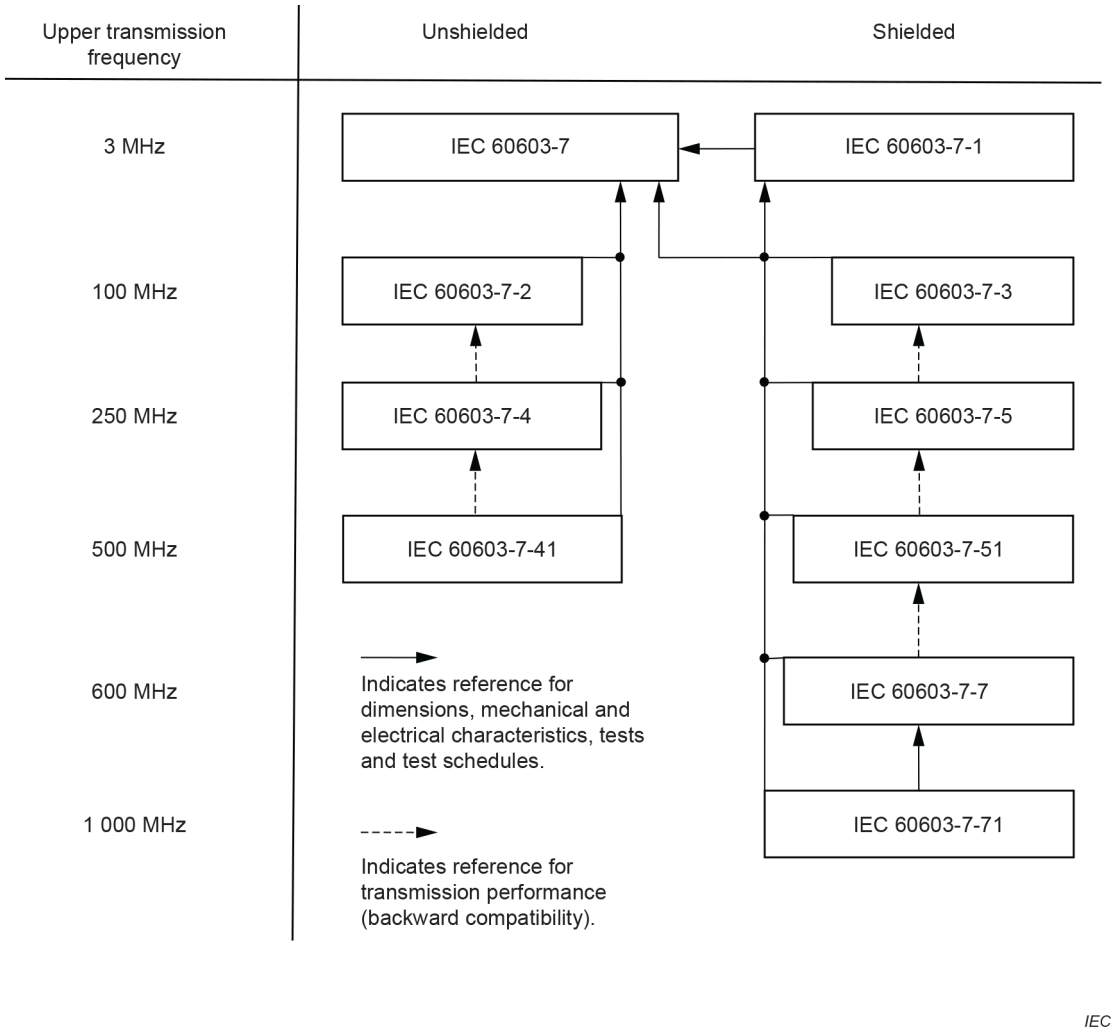


Figure 1 – IEC 60603-7 family document diagram

CONNECTORS FOR ELECTRONIC EQUIPMENT –

Part 7: Detail specification for 8-way, unshielded, free and fixed connectors

~~1 General~~

1 Scope

This part of IEC 60603-7 covers 8-way, unshielded, free and fixed connectors and is intended to specify the common dimensions (interface dimensions), mechanical, electrical and environmental characteristics and tests for the family of IEC 60603-7-x connectors.

These connectors are intermateable (according to IEC 61076-1 level 2) and interoperable with other IEC 60603-7 series connectors.

2 Normative references

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.

IEC 60050-581:2008, *International Electrotechnical Vocabulary (IEV) – Part 581: Electromechanical components for electronic equipment*

IEC 60068-1, *Environmental testing – Part 1: General and guidance*

~~IEC 60068-2-14, *Basic environmental testing procedures – Part 2-14: Tests – Test N: Change of temperature*~~

IEC 60068-2-38, ~~*Basic*~~ *Environmental testing* ~~*procedures*~~ *– Part 2-38: Tests – Test Z/AD: Composite temperature/ humidity cyclic test*

IEC 60352-2, *Solderless connections – Part 2: Crimped connections – General requirements, test methods and practical guidance*

IEC 60352-3, *Solderless connections – Part 3:* ~~*Solderless*~~ *Accessible insulation displacement (ID) connections – General requirements, test methods and practical guidance*

IEC 60352-4, *Solderless connections – Part 4:* ~~*Solderless*~~ *Non-accessible insulation displacement (ID) connections – General requirements, test methods and practical guidance*

IEC 60352-5, *Solderless connections – Part 5: Press-in connections – General requirements, test methods and practical guidance*

IEC 60352-6, *Solderless connections – Part 6: Insulation piercing connections – General requirements, test methods and practical guidance*

IEC 60352-7, *Solderless connections – Part 7: Spring clamp connections – General requirements, test methods and practical guidance*

~~IEC 60512 (all parts), *Connectors for electronic equipment – Tests and measurements*~~

IEC 60512-1, *Connectors for electrical and electronic equipment – Tests and measurements – Part 1: Generic specification*

IEC 60512-1-1, *Connectors for electronic equipment – Tests and measurements – Part 1-1: General examination – Test 1a: Visual examination*

IEC 60512-1-2, *Connectors for electronic equipment – Tests and measurements – Part 1-2: General examination – Test 1b: Examination of dimensions and mass*

IEC 60512-1-100, *Connectors for electronic equipment – Tests and measurements – Part 1-100: General – Applicable publications*

IEC 60512-2-1, *Connectors for electronic equipment – Tests and measurements – Part 2-1: Electrical continuity and contact resistance tests – Test 2a: Contact resistance – Millivolt level method*

IEC 60512-2-5, *Connectors for electronic equipment – Tests and measurements – Part 2-5: Electrical continuity and contact resistance tests – Test 2e: Contact disturbance*

IEC 60512-3-1, *Connectors for electronic equipment – Tests and measurements – Part 3-1: Insulation tests – Test 3a: Insulation resistance*

IEC 60512-4-1, *Connectors for electronic equipment – Tests and measurements – Part 4-1: Voltage stress tests – Test 4a: Voltage proof*

IEC 60512-5-2, *Connectors for electronic equipment – Tests and measurements – Part 5-2: Current-carrying capacity tests – Test 5b: Current-temperature derating*

IEC 60512-6-4, *Connectors for electronic equipment – Tests and measurements – Part 6-4: Dynamic stress tests – Test 6d: Vibration (sinusoidal)*

IEC 60512-9-1, *Connectors for electronic equipment – Tests and measurements – Part 9-1: Endurance tests – Test 9a: Mechanical operation*

IEC 60512-9-2, *Connectors for electronic equipment – Tests and measurements – Part 9-2: Endurance tests – Test 9b: Electrical load and temperature*

IEC 60512-11-4, *Connectors for electronic equipment – Tests and measurements – Part 11-4: Climatic tests – Test 11d: Rapid change of temperature*

IEC 60512-11-7, *Connectors for electronic equipment – Tests and measurements – Part 11-7: Climatic tests – Test 11g: Flowing mixed gas corrosion test*

IEC 60512-13-2, *Connectors for electronic equipment – Tests and measurements – Part 13-2: Mechanical operation tests – Test 13b: Insertion and withdrawal forces*

IEC 60512-15-6, *Connectors for electronic equipment – Tests and measurements – Part 15-6: Connector tests (mechanical) – Test 15f: Effectiveness of connector coupling devices*

IEC 60603-7 (all parts), *Connectors for electronic equipment*

IEC 60664-1, *Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests*

IEC 61076-1:2006, *Connectors for electronic equipment – Product requirements – Part 1: Generic specification*

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

~~IEC 61156 (all parts), *Multicore and symmetrical pair/quad cables for digital communications*~~

~~IEC 61156-1, *Multicore and symmetrical pair/quad cables for digital communications – Part 1: Generic specification*~~

IEC 61156-2, *Multicore and symmetrical pair/quad cables for digital communications – Part 2: Symmetrical pair/quad cables with transmission characteristics up to 100 MHz – Horizontal floor wiring – Sectional specification*

IEC 61156-3, *Multicore and symmetrical pair/quad cables for digital communications – Part 3: Work area ~~wiring~~ cable – Sectional specification*

IEC 61156-4, *Multicore and symmetrical pair/quad cables for digital communications – Part 4: Riser cables – Sectional specification*

IEC 61156-5, *Multicore and symmetrical pair/quad cables for digital communications – Part 5: Symmetrical pair/quad cables with transmission characteristics up to ~~600~~ 1 000 MHz – Horizontal floor wiring – Sectional specification*

IEC 61156-6, *Multicore and symmetrical pair/quad cables for digital communications – Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz – Work area wiring – Sectional specification*

IEC 61156-7, *Multicore and symmetrical pair/quad cables for digital communications – Part 7: Symmetrical pair cables with transmission characteristics up to 1 200 MHz – Sectional specification for digital and analog communication cables*

IEC 61760-3, *Surface mounting technology – Part 3: Standard method for the specification of components for through hole reflow (THR) soldering*

IEC TR 63040, *Guidance on clearances and creepage distances in particular for distances equal to or less than 2 mm – Test results of research on influencing parameters*

ISO/IEC 11801-1, *Information technology – Generic cabling for customer premises – Part 1: General requirements*

ISO 1302, *Geometrical Product Specifications (GPS) – Indication of surface texture in technical product documentation*

ITU-T Recommendation K.20:2000[1], *Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents*

ITU-T Recommendation K.44:2000[2], *Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents – Basic Recommendation*

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1 This document has been replaced by a new edition (2003), but for the purposes of this document, the 2000 edition is cited.

2 This document has been replaced by a new edition (2003), but for the purposes of this document, the 2000 edition is cited.

IEC 60603-7

Edition 4.0 2020-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

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



IEC 60603-7:2020-10(en-fr)

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CONNECTORS FOR ELECTRONIC EQUIPMENT –

Part 7: Detail specification for 8-way, unshielded, free and fixed connectors

FOREWORD

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– Corrected dimension line for dimension F1 in Figure A.1.
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– Added lower limiting temperature and upper limiting temperature definitions.
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– Corrected Table 7: Climatic category and Upper temperature values to 90 °C (to be consistent with the graph in Figure 10 and Note 1 in Figure 10).
– Revised the wording in 8.2, contact resistance, for clarification.
– Revised Figure 11 and Figure 12 and the wording in the Key below for clarification.
– Removed the sentences under the figure in the Introduction.
– Added Annex E.

The text of this International Standard is based on the following documents:

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48B/2832/FDIS	8B/2843/RVD

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- amended.

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INTRODUCTION

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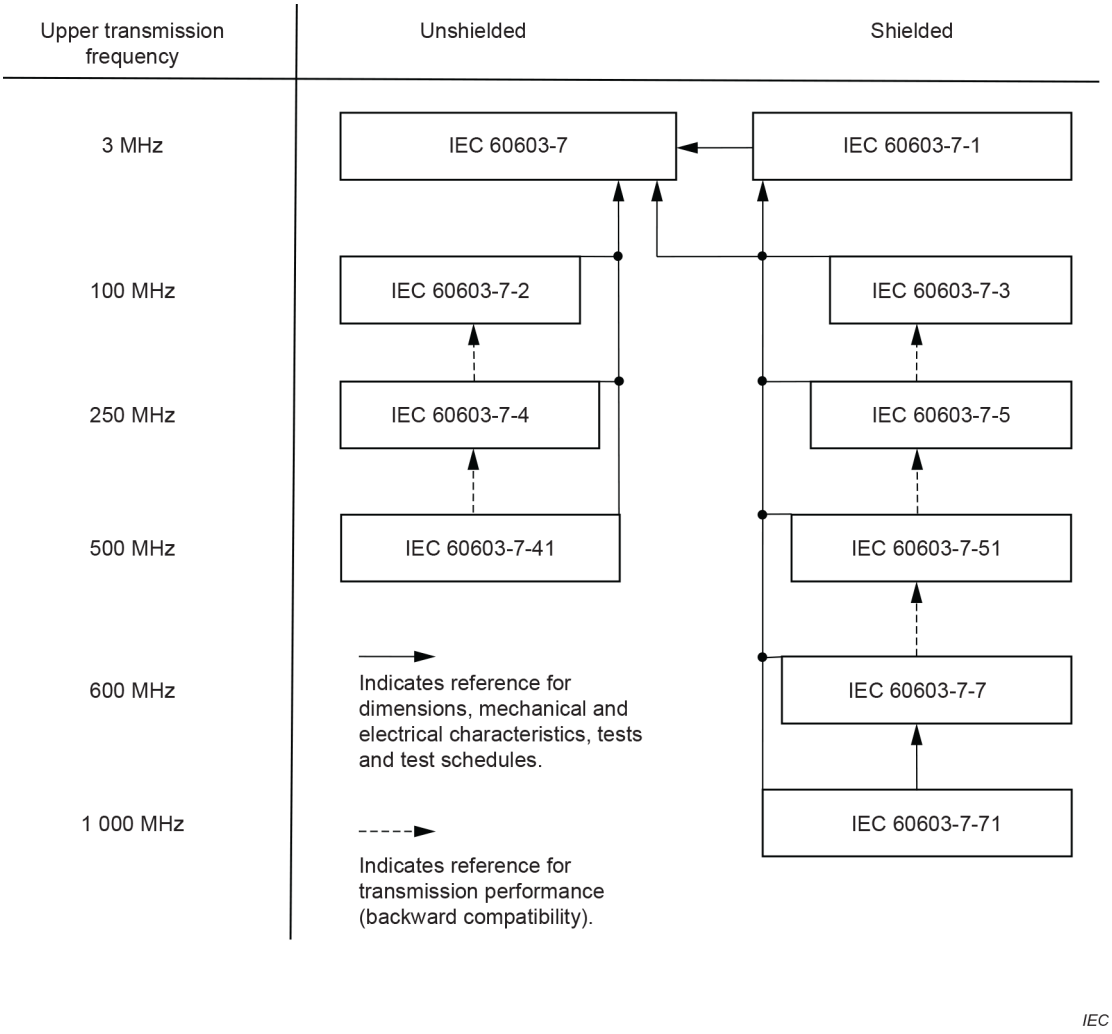


Figure 1 – IEC 60603-7 family document diagram

CONNECTORS FOR ELECTRONIC EQUIPMENT –

Part 7: Detail specification for 8-way, unshielded, free and fixed connectors

1 Scope

This part of IEC 60603-7 covers 8-way, unshielded, free and fixed connectors and is intended to specify the common dimensions (interface dimensions), mechanical, electrical and environmental characteristics and tests for the family of IEC 60603-7-x connectors.

These connectors are intermateable (according to IEC 61076-1 level 2) and interoperable with other IEC 60603-7 series connectors.

2 Normative references

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IEC 60068-1, *Environmental testing – Part 1: General and guidance*

IEC 60068-2-38: *Environmental testing – Part 2-38: Tests – Test Z/AD: Composite temperature/humidity cyclic test*

IEC 60352-2, *Solderless connections – Part 2: Crimped connections – General requirements, test methods and practical guidance*

IEC 60352-3, *Solderless connections – Part 3: Accessible insulation displacement (ID) connections – General requirements, test methods and practical guidance*

IEC 60352-4, *Solderless connections – Part 4: Non-accessible insulation displacement (ID) connections – General requirements, test methods and practical guidance*

IEC 60352-5, *Solderless connections – Part 5: Press-in connections – General requirements, test methods and practical guidance*

IEC 60352-6, *Solderless connections – Part 6: Insulation piercing connections – General requirements, test methods and practical guidance*

IEC 60352-7, *Solderless connections – Part 7: Spring clamp connections – General requirements, test methods and practical guidance*

IEC 60512-1, *Connectors for electrical and electronic equipment – Tests and measurements – Part 1: Generic specification*

IEC 60512-1-1, *Connectors for electronic equipment – Tests and measurements – Part 1-1: General examination – Test 1a: Visual examination*

IEC 60512-1-2, *Connectors for electronic equipment – Tests and measurements – Part 1-2: General examination – Test 1b: Examination of dimensions and mass*

IEC 60512-1-100, *Connectors for electronic equipment – Tests and measurements – Part 1-100: General – Applicable publications*

IEC 60512-2-1, *Connectors for electronic equipment – Tests and measurements – Part 2-1: Electrical continuity and contact resistance tests – Test 2a: Contact resistance – Millivolt level method*

IEC 60512-2-5, *Connectors for electronic equipment – Tests and measurements – Part 2-5: Electrical continuity and contact resistance tests – Test 2e: Contact disturbance*

IEC 60512-3-1, *Connectors for electronic equipment – Tests and measurements – Part 3-1: Insulation tests – Test 3a: Insulation resistance*

IEC 60512-4-1, *Connectors for electronic equipment – Tests and measurements – Part 4-1: Voltage stress tests – Test 4a: Voltage proof*

IEC 60512-5-2, *Connectors for electronic equipment – Tests and measurements – Part 5-2: Current-carrying capacity tests – Test 5b: Current-temperature derating*

IEC 60512-6-4, *Connectors for electronic equipment – Tests and measurements – Part 6-4: Dynamic stress tests – Test 6d: Vibration (sinusoidal)*

IEC 60512-9-1, *Connectors for electronic equipment – Tests and measurements – Part 9-1: Endurance tests – Test 9a: Mechanical operation*

IEC 60512-9-2, *Connectors for electronic equipment – Tests and measurements – Part 9-2: Endurance tests – Test 9b: Electrical load and temperature*

IEC 60512-11-4, *Connectors for electronic equipment – Tests and measurements – Part 11-4: Climatic tests – Test 11d: Rapid change of temperature*

IEC 60512-11-7, *Connectors for electronic equipment – Tests and measurements – Part 11-7: Climatic tests – Test 11g: Flowing mixed gas corrosion test*

IEC 60512-13-2, *Connectors for electronic equipment – Tests and measurements – Part 13-2: Mechanical operation tests – Test 13b: Insertion and withdrawal forces*

IEC 60512-15-6, *Connectors for electronic equipment – Tests and measurements – Part 15-6: Connector tests (mechanical) – Test 15f: Effectiveness of connector coupling devices*

IEC 60603-7 (all parts), *Connectors for electronic equipment*

IEC 60664-1, *Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests*

IEC 61076-1:2006, *Connectors for electronic equipment – Product requirements – Part 1: Generic specification*

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

IEC 61156-2, *Multicore and symmetrical pair/quad cables for digital communications – Part 2: Symmetrical pair/quad cables with transmission characteristics up to 100 MHz – Horizontal floor wiring – Sectional specification*

IEC 61156-3, *Multicore and symmetrical pair/quad cables for digital communications – Part 3: Work area cable – Sectional specification*

IEC 61156-4, *Multicore and symmetrical pair/quad cables for digital communications – Part 4: Riser cables – Sectional specification*

IEC 61156-5, *Multicore and symmetrical pair/quad cables for digital communications – Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz – Horizontal floor wiring – Sectional specification*

IEC 61156-6, *Multicore and symmetrical pair/quad cables for digital communications – Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz – Work area wiring – Sectional specification*

IEC 61156-7, *Multicore and symmetrical pair/quad cables for digital communications – Part 7: Symmetrical pair cables with transmission characteristics up to 1 200 MHz – Sectional specification for digital and analog communication cables*

IEC 61760-3, *Surface mounting technology – Part 3: Standard method for the specification of components for through hole reflow (THR) soldering*

IEC TR 63040, *Guidance on clearances and creepage distances in particular for distances equal to or less than 2 mm – Test results of research on influencing parameters*

ISO/IEC 11801-1, *Information technology – Generic cabling for customer premises – Part 1: General requirements*

ISO 1302, *Geometrical Product Specifications (GPS) – Indication of surface texture in technical product documentation*

ITU-T Recommendation K.20:2000[1], *Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents*

ITU-T Recommendation K.44:2000[2], *Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents – Basic Recommendation*

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1 This document has been replaced by a new edition (2003), but for the purposes of this document, the 2000 edition is cited.

2 This document has been replaced by a new edition (2003), but for the purposes of this document, the 2000 edition is cited.

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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CONNECTEURS POUR ÉQUIPEMENTS ÉLECTRONIQUES –

Partie 7: Spécification particulière pour les fiches et les embases non écrantées à 8 voies

AVANT PROPOS

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La Norme internationale IEC 60603-7 a été établie par le sous-comité 48B: Connecteurs électriques, du comité d'études 48 de l'IEC: Connecteurs électriques et structures mécaniques pour les équipements électriques et électroniques.

Cette quatrième édition annule et remplace la troisième édition publiée en 2008, l'Amendement 1:2011 et l'Amendement 2:2019. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à la précédente édition:

– Révision des définitions de la compatibilité d'accouplement et de l'interopérabilité; ajout de nouvelles définitions.
– Correction de la ligne de cote AZ2 à la Figure 5.

– Correction de la ligne de cote F1 à la Figure A.1.
– Révision de la référence à l'ISO/IEC 11801, devenant ISO/IEC 11801-1.
– Ajout des définitions de la température limite inférieure et de la température limite supérieure.
– Révision des Tableau 1 à Tableau 8 de sorte que l'ordre des colonnes corresponde à l'ordre croissant des valeurs, soit "Minimales", "Nominales", "Maximales".
– correction du Tableau 7: correction de la colonne "Catégorie climatique" et de la colonne "Température supérieure", qui spécifie désormais une valeur de 90 °C (à des fins de cohérence avec le graphique de la Figure 10 et la Note 1 de la Figure 10).
– Révision, à des fins de clarification, de la formulation en 8.2, Disposition pour l'essai de la résistance de contact.
– Révision de la Figure 11 et de la Figure 12, et de la formulation dans les légendes correspondantes, à des fins de clarification.
– Suppression des phrases présentes sous la figure, dans l'Introduction.
– Ajout de l'Annexe E.

Le texte de cette Norme internationale est issu des documents suivants:

FDIS	Rapport de vote
48B/2832/FDIS	8B/2843/RVD

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à l'approbation de cette Norme internationale.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2.

Une liste de toutes les parties de la série IEC 60603-7, sous le titre général *Connecteurs pour équipements électroniques*, est disponible sur le site web de l'IEC.

Le comité a décidé que le contenu de ce document ne sera pas modifié avant la date de stabilité indiquée sur le site web de l'IEC sous "http://webstore.iec.ch" dans les données relatives à la publication recherchée. A cette date, le document sera

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INTRODUCTION

L'IEC 60603-7 est la spécification de base pour toute la série. Les spécifications qui en découlent ne redonnent pas les informations fournies dans le document de base mais elles stipulent uniquement les exigences supplémentaires. Pour avoir les spécifications complètes d'un composant donné lorsque le numéro du document est élevé, il faut également prendre en compte tous les documents de numérotation inférieure. La Figure 1 montre l'interrelation des documents.

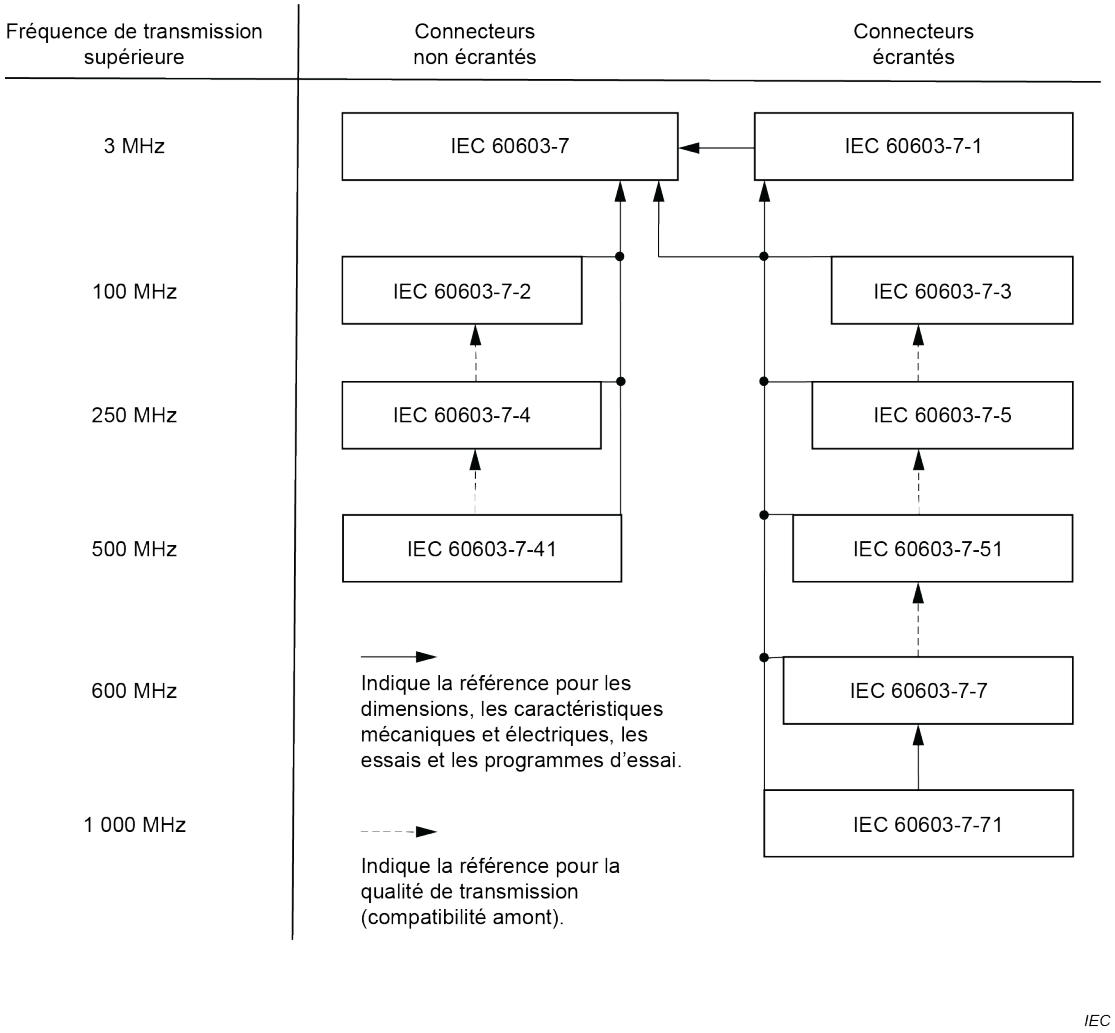


Figure 1 – Schéma présentant les relations entre les documents de la série IEC 60603-7

CONNECTEURS POUR ÉQUIPEMENTS ÉLECTRONIQUES –

Partie 7: Spécification particulière pour les fiches et les embases non écrantées à 8 voies

1 Domaine d'application

La présente partie de l'IEC 60603-7 couvre les fiches et les embases non écrantées à 8 voies; elle est destinée à spécifier les dimensions communes (dimensions de l'interface), les caractéristiques mécaniques, électriques et environnementales ainsi que les essais pour la famille des connecteurs IEC 60603-7-x.

Ces connecteurs sont accouplables (conformes à l'IEC 61076-1 niveau 2) et interopérables avec les autres connecteurs de la série IEC 60603-7.

2 Références normatives

Les documents suivants cités dans le texte constituent, pour tout ou partie de leur contenu, des exigences du présent document. Pour les références datées, seule l'édition citée s'applique. Pour les références non datées, la dernière édition du document de référence s'applique (y compris les éventuels amendements).

IEC 60050-581:2008, *Vocabulaire Electrotechnique International (IEV) – Partie 581: Composants électromécaniques pour équipements électroniques*

IEC 60068-1, *Essais d'environnement – Partie 1: Généralités et lignes directrices*

IEC 60068-2-38: *Essais d'environnement – Partie 2-38: Essais – Essai Z/AD: Essai cyclique composite de température et d'humidité*

IEC 60352-2, *Connexions sans soudure – Partie 2: Connexions serties – Exigences générales, méthodes d'essai et guide pratique*

IEC 60352-3, *Connexions sans soudure – Partie 3: Connexions autodénudantes accessibles – Règles générales, méthodes d'essai et guide pratique*

IEC 60352-4, *Connexions sans soudure – Partie 4: Connexions autodénudantes (CAD) non accessibles – Règles générales, méthodes d'essai et guide pratique*

IEC 60352-5, *Connexions sans soudure – Partie 5: Connexions insérées à force – Exigences générales, méthodes d'essai et guide pratique*

IEC 60352-6, *Connexions sans soudure – Partie 6: Connexions à percement d'isolant – Règles générales, méthodes d'essai et guide pratique*

IEC 60352-7, *Connexions sans soudure – Partie 7: Connexions à ressort – Règles générales, méthodes d'essai et guide pratique*

IEC 60512-1, *Connecteurs pour équipements électriques et électroniques – Essais et mesures – Partie 1: Spécification générique*

IEC 60512-1-1, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 1-1: Examen général – Essai 1a: Examen visuel*

IEC 60512-1-2, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 1-2: Examen général – Essai 1b: Examen de dimensions et masse*

IEC 60512-1-100, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 1-100: Généralités – Publications applicables*

IEC 60512-2-1, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 2-1: Essais de continuité électrique et de résistance de contact – Essai 2a: Résistance de contact – Méthode du niveau des millivolts*

IEC 60512-2-5, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 2-5: Essais de continuité électrique et de résistance de contact – Essai 2e: Perturbation de contact*

IEC 60512-3-1, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 3-1: Essais d'isolement – Essai 3a: Résistance d'isolement*

IEC 60512-4-1, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 4-1: Essais de contrainte diélectrique – Essai 4a: Tension de tenue*

IEC 60512-5-2, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 5-2: Essais de courant limite – Essai 5b: Taux de réduction de l'intensité en fonction de la température*

IEC 60512-6-4, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 6-4: Essais de contraintes dynamiques – Essai 6d: Vibrations (sinusoïdales)*

IEC 60512-9-1, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 9-1: Essais d'endurance – Essai 9a: Fonctionnement mécanique*

IEC 60512-9-2, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 9-2: Essais d'endurance – Essai 9b: Charge électrique et température*

IEC 60512-11-4, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 11-4: Essais climatiques – Essai 11d: Variations rapides de température*

IEC 60512-11-7, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 11-7: Essais climatiques – Essai 11g: Essai de corrosion dans un flux de mélange de gaz*

IEC 60512-13-2, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 13-2: Essais de fonctionnement mécanique – Essai 13b: Forces d'insertion et d'extraction*

IEC 60512-15-6, *Connecteurs pour équipements électroniques – Essais et mesures – Partie 15-6: Essais (mécaniques) des connecteurs – Essai 15f: Efficacité des dispositifs d'accouplement des connecteurs*

IEC 60603-7 (toutes les parties), *Connecteurs pour équipements électroniques*

IEC 60664-1, *Coordination de l'isolement des matériels dans les systèmes (réseaux) à basse tension – Partie 1: Principes, exigences et essais*

IEC 61076-1:2006, *Connecteurs pour équipements électroniques – Exigences de produit – Partie 1: Spécification générique*

IEC 61076-3, *Connecteurs pour équipements électroniques – Exigences de produit – Partie 3: Connecteurs rectangulaires – Spécification intermédiaire*

IEC 61156-2, *Multicore and symmetrical pair/quad cables for digital communications – Part 2: Symmetrical pair/quad cables with transmission characteristics up to 100 MHz – Horizontal floor wiring – Sectional specification* (disponible en anglais seulement)

IEC 61156-3, *Multicore and symmetrical pair/quad cables for digital communications – Part 3: Work area cable – Sectional specification (disponible en anglais seulement)*

IEC 61156-4, *Multicore and symmetrical pair/quad cables for digital communications – Part 4: Riser cables – Sectional specification* (disponible en anglais seulement)

IEC 61156-5, *Multicore and symmetrical pair/quad cables for digital communications – Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz – Horizontal floor wiring – Sectional specification* (disponible en anglais seulement)

IEC 61156-6, *Multicore and symmetrical pair/quad cables for digital communications – Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz – Work area wiring – Sectional specification* (disponible en anglais seulement)

IEC 61156-7, *Câbles multiconducteurs à paires symétriques et quartes pour transmissions numériques – Partie 7: Câbles à paires symétriques avec caractéristiques de transmission jusqu'à 1 200 MHz – Spécification intermédiaire pour câbles de transmissions numériques et analogiques*

IEC 61760-3, *Technique du montage en surface – Partie 3: Méthode normalisée relative à la spécification des composants pour le brasage par refusion à trous traversants (THR, Through Hole Reflow)*

IEC TR 63040, *Guidance on clearances and creepage distances in particular for distances equal to or less than 2 mm – Test results of research on influencing parameters* (disponible en anglais seulement)

ISO/IEC 11801-1, *Information technology – Generic cabling for customer premises – Part 1: General requirements* (disponible en anglais seulement)

ISO 1302, *Spécification géométrique des produits (GPS) – Indication des états de surface dans la documentation technique de produits*

Recommandation UIT-T K.20:2000[1], *Immunité des équipements de télécommunication des centres de télécommunication aux surtensions et aux surintensités*

Recommandation UIT-T K.44:2000[2], *Essais d'immunité des équipements de télécommunication exposés aux surtensions et aux surintensités – Recommandation fondamentale*

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1 Ce document a été remplacé par une nouvelle édition (2003), mais pour les besoins du présent document, l'édition de 2000 est citée.

2 Ce document a été remplacé par une nouvelle édition (2003), mais pour les besoins du présent document, l'édition de 2000 est citée.