

**SLOVENSKI
STANDARD**

SIST EN 60603-7-7:2003

oktober 2003

Connectors for electronic equipment - Part 7-7: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 600 MHz (category 7, shielded) (IEC 60603-7-7:2002)

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English version

Connectors for electronic equipment
Part 7-7: Detail specification for 8-way, shielded,
free and fixed connectors, for data transmission
with frequencies up to 600 MHz
(category 7, shielded)
(IEC 60603-7-7:2002)

Connecteurs pour équipement
électronique

Partie 7-7: Spécification particulière pour
connecteur écrané, libre ou fixé, à huit
voies pour transmission de données
à des fréquences inférieures à 600 MHz
(catégorie 7, écrané)
(CEI 60603-7-7:2002)

Steckverbinder für elektronische
Einrichtungen

Teil 7-7: Bauartspezifikation für
geschirmte freie und feste Steckverbinder,
8polig, für Datenübertragungen bis
600 MHz (Kategorie 7, geschirmt)
(IEC 60603-7-7:2002)

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This European Standard was approved by CENELEC on 2002-07-01. 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.

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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/1166 + 1166A/FDIS, future edition 1 of IEC 60603-7-7, 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 60603-7-7 on 2002-07-01.

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) 2003-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-07-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annexes A, B, C, D, E, F, G, H, I, J, K, L, M, N and ZA are normative.
Annex ZA has been added by CENELEC.

The International Electrotechnical Commission (IEC) and CENELEC draw attention to the fact that it is claimed that compliance with this International Standard/European Standard may involve the use of patent(s).

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Endorsement notice

The text of the International Standard IEC 60603-7-7:2002 was approved by CENELEC as a European Standard without any modification.

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 60068-1	- ¹⁾	Environmental testing Part 1: General and guidance	EN 60068-1	1994 ²⁾
IEC 60068-2-14	- ¹⁾	Part 2: Tests - Test N: Change of temperature	EN 60068-2-14	1999 ²⁾
IEC 60068-2-38	- ¹⁾	Part 2: Tests - Test Z/AD: Composite temperature/humidity cyclic test	EN 60068-2-38	1999 ²⁾
IEC 60169-16	- ¹⁾	Radio-frequency connectors Part 16: R.F. coaxial connectors with inner diameter of outer conductor 7 mm (0,276 in) with screw coupling - Characteristic impedance 50 ohms (75 ohms) (Type N)	-	-
IEC 60352-2	1990	Solderless connections Part 2: Solderless crimped connections - General requirements, test methods and practical guidance	EN 60352-2	1994
IEC 60352-3	1993	Part 3: Solderless accessible insulation displacement connections - General requirements, test methods and practical guidance	EN 60352-3	1994
IEC 60352-4	1994	Part 4: Solderless non-accessible insulation displacement connections - General requirements, test methods and practical guidance	EN 60352-4	1994
IEC 60352-5	2001	Part 5: Press-in connections - General requirements, test methods and practical guidance	EN 60352-5	2001

1) Undated reference.

2) Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60352-6	1997	Part 6: Insulation piercing connections - General requirements, test methods and practical guidance	EN 60352-6	1997
IEC 60512	Series	Connectors for electronic equipment - Tests and measurements	EN 60512	Series
IEC 60512-1-100	- ¹⁾	Connectors for electronic equipment - Tests and measurements Part 1-100: General - Applicable publications	EN 60512-1-100	2001 ²⁾
IEC 60603-7	- ¹⁾	Connectors for frequencies below 3 MHz for use with printed boards Part 7: Detail specification for connectors, 8-way, including fixed and free connectors with common mating features, with assessed quality	EN 60603-7	1997 ²⁾
IEC 60603-7-1	- ¹⁾	Part 7-1: Detail specification for 8-way, shielded free and fixed connectors with common mating features, with assessed quality	EN 60603-7-1	2002 ²⁾
IEC 60807-1	- ¹⁾	Rectangular connectors for frequencies below 3 MHz Part 1: Generic specification - General requirements and guide for the preparation of detail specifications for connectors with assessed quality	-	-
IEC 61076-1	1995	Connectors with assessed quality, for use in d.c., low frequency analogue and in digital high-speed data applications Part 1: Generic specification - Capability approval	EN 61076-1	1995
IEC/PAS 61076-3-110	- ¹⁾	Part 3-110: Detail specification for 8 way connectors for frequencies up to 600 MHz	-	-
IEC 61156	Series	Multicore and symmetrical pair/quad cables for digital communications	-	-
IEC 61196	Series	Radio-frequency cables	EN 61196	Series
ISO/IEC 11801	- ¹⁾	Information technology - Generic cabling for customer premises	-	-
ISO 1302	- ¹⁾	Technical drawings - Method of indicating surface texture	-	-
ITU-T Recommendation G.117	- ¹⁾	Transmission aspects of unbalance about earth	-	-

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ITU-T Recommendation K.20	- ¹⁾	Resistibility of telecommunication equipment installed in a telecommunications centre to overvoltages and overcurrents	-	-
ITU-T Recommendation O.9	- ¹⁾	Measuring arrangements to assess the degree of unbalance about earth	-	-
-	-	Communication cables - Specifications for test methods Part 1-6: Electrical test methods - Electromagnetic performance	EN 50289-1-6	- ¹⁾

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INTERNATIONAL STANDARD

IEC
60603-7-7

First edition
2002-04

Connectors for electronic equipment –

Part 7-7:

Detail specification for 8-way, shielded,
free and fixed connectors, for data
transmission with frequencies up to 600 MHz
(category 7, shielded)

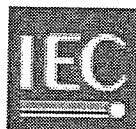
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Commission Electrotechnique Internationale
International Electrotechnical Commission
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONNECTORS FOR ELECTRONIC EQUIPMENT –

**Part 7-7: Detail specification for 8-way, shielded,
free and fixed connectors, for data transmission with frequencies
up to 600 MHz (category 7, shielded)**

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.
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International Standard IEC 60603-7-7 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/1166, 1166A/FDIS	48B/1214/RVD

Full information 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 3.