



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60603-7:1999**

ICS 31.220.10

**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 (IEC 603-7:1996)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60603-7**

January 1997

ICS 31.220.10

Supersedes EN 60603-7:1993

Descriptors: Printed board connector, 8-way, ISDN

English version

**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  
(IEC 603-7:1996)**

Connecteurs pour fréquences inférieures  
à 3 MHz pour utilisation avec cartes  
imprimées

Partie 7: Spécification particulière pour  
connecteurs à 8 voies, comprenant des  
embases et des fiches ayant des  
caractéristiques d'accouplement  
communes, avec assurance de la qualité  
(CEI 603-7:1996)

Steckverbinder für Frequenzen unter  
3 MHz für gedruckte Schaltungen  
Teil 7: Bauartspezifikation für  
Steckverbinder mit bewerteter Qualität,  
8-polig, einschließlich fester und freier  
Steckverbinder mit gemeinsamen  
Steckmerkmalen  
(IEC 603-7:1996)

This European Standard was approved by CENELEC on 1996-12-09. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**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/489/FDIS, future edition 2 of IEC 603-7, 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 on 1996-12-09.

This European Standard supersedes EN 60603-7:1993.

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) 1997-09-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1997-09-01

Annexes designated "normative" are part of the body of the standard.  
In this standard, annexes A, B, C, D and ZA are normative.  
Annex ZA has been added by CENELEC.

Information from the foreword of the International Standard considered necessary:

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this International Standard may involve the use of a patent concerning connectors, 8-way, for interconnect systems given in clauses 3 and 4.

The IEC takes no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured the IEC that he is willing to negotiate licences under reasonable and non-discriminatory terms and conditions with applicants throughout the world. In this respect, the statement of the holder of this patent right is registered with the IEC. Information may be obtained from:

AT&T  
Intellectual Property Licensing and Management Organization  
10 Independence Boulevard  
P.O. Box 4911  
Warren, New Jersey 07060-0911  
United States of America

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights other than those identified above. IEC shall not be held responsible for identifying any or all such patent rights.

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## Endorsement notice

The text of the International Standard IEC 603-7:1996 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**

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 50(581)	1978	International Electrotechnical Vocabulary (IEV) Chapter 581: Electromechanical components for electronic equipment	-	-
IEC 68-1	1988	Environmental testing Part 1: General and guidance	EN 60068-1 <sup>1)</sup>	1994
IEC 326-3	1991	Printed boards Part 3: Design and use of printed boards	-	-
IEC 352-2	1990	Solderless connections Part 2: Solderless crimped connections General requirements, test methods and practical guidance	EN 60352-2	1994
IEC 352-3	1993	Part 3: Solderless accessible insulation displacement connections - General requirements, test methods and practical guidance	EN 60352-3	1994
IEC 352-4	1994	Part 4: Solderless non-accessible insulation displacement connections - General requirements, test methods and practical guidance	EN 60352-4	1994
IEC 410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 512-2	1985	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods Part 2: General examination, electrical continuity and contact resistance tests, insulation tests and voltage stress tests	-	-

1) EN 60068-1 includes the corrigendum October 1988 and A1:1992 to IEC 68-1.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 512-3	1976	Part 3: Current-carrying capacity tests	-	-
IEC 512-4	1976	Part 4: Dynamic stress tests	-	-
IEC 512-5	1992	Part 5: Impact tests (free components), static load tests (fixed components), endurance tests and overload tests	-	-
IEC 512-6	1984	Part 6: Climatic tests and soldering tests	-	-
IEC 512-7	1988	Part 7: Mechanical operating tests and sealing tests	-	-
IEC 512-8	1993	Part 8: Connector tests (mechanical) and mechanical tests on contacts and terminations	-	-
IEC 603-1	1991	Connectors for frequencies below 3 MHz for use with printed boards Part 1: Generic specification - General requirements and guide for the preparation of detail specifications, with assessed quality	-	-
A1	1992		-	-
IEC 664-1 (mod)	1992	Insulation coordination for equipment within low-voltage systems Part 1: Principles, requirements and tests	HD 625.1 S1 + corr. November	1996 1996
IEC 807-1	1991	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 QC 001001	1986	Basic rules of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-
A2	1994		-	-
A3	1995		-	-
IEC QC 001002	1986	Rules of procedure of the IEC Quality Assessment System for Electronic Components (IECQ)	-	-
A2	1994		-	-
ISO 468	1982	Surface roughness - Parameters, their values and general rules for specifying requirements	-	-
ITU-T K20	1984	Resistibility of telecommunication switching equipment to overvoltages and overcurrents	-	-

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