

Connectors for electronic equipment - Part 7-82: Detail specification for 8-way, 12 contacts, shielded, free and fixed connectors, for data transmission with frequencies up to 2 000 MHz

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60603-7-82:2016 sisaldab Euroopa standardi EN 60603-7-82:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 60603-7-82:2016 consists of the English text of the European standard EN 60603-7-82:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

Connectors for electronic equipment -
Part 7-82: Detail specification for 8-way, 12 contacts, shielded,
free and fixed connectors, for data transmission with frequencies
up to 2 000 MHz
(IEC 60603-7-82:2016)

Connecteurs pour équipements électroniques - Partie 7-82:
Spécification particulière pour les fiches et les embases
écranées à 8 voies et 12 contacts pour la transmission de
données à des fréquences jusqu'à 2 000 MHz
(IEC 60603-7-82:2016)

Steckverbinder für elektronische Einrichtungen -
Teil 7-82: Bauartspezifikation für geschirmte freie und feste
Steckverbinder, 8polig, 12 Kontakte für
Datenübertragungen bis 2 000 MHz
(IEC 60603-7-82:2016)

This European Standard was approved by CENELEC on 2016-09-29. 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 CEN-CENELEC Management Centre or to any CENELEC member.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 48B/2497/FDIS, future edition 1 of IEC 60603-7-82, 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 60603-7-82:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at (dop) 2017-06-29
national level by publication of an identical national
standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2019-09-29
the document have to be withdrawn

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Endorsement notice

The text of the International Standard IEC 60603-7-82:2016 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60512-2-1	NOTE	Harmonized as EN 60512-2-1.
IEC 60603-7-2	NOTE	Harmonized as EN 60603-7-2.
IEC 60603-7-3	NOTE	Harmonized as EN 60603-7-3.
IEC 60603-7-4	NOTE	Harmonized as EN 60603-7-4.
IEC 60603-7-5	NOTE	Harmonized as EN 60603-7-5.
IEC 60603-7-41	NOTE	Harmonized as EN 60603-7-41.
IEC 60603-7-51	NOTE	Harmonized as EN 60603-7-51.
IEC 60603-7-71	NOTE	Harmonized as EN 60603-7-71.
IEC 60603-7-81	NOTE	Harmonized as EN 60603-7-81.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60512-25-9	-	Connectors for electronic equipment - Tests and measurements - Part 25-9: Signal integrity tests – Test 25i: Alien crosstalk	EN 60512-25-9	-
IEC 60512-26-100	2008	Connectors for electronic equipment - Tests and measurements - Part 26-100: Measurement setup, test and reference arrangements and measurements for connectors according to IEC 60603-7 - Tests 26a to 26g	EN 60512-26-100	2008
+ A1	2011		+ A1	2011
IEC 60512-27-100	-	Connectors for electronic equipment - Tests and measurements - Part 27-100: Signal integrity tests up to 500 MHz on IEC 60603-7 series connectors - Tests 27a to 27g	EN 60512-27-100	-
IEC 60512-28-100	- ¹⁾	Connectors for electronic equipment - Tests and measurements - Part 28-100: Signal integrity tests up to 1 000 MHz on IEC 60603-7 and IEC 61076-3 series connectors - Tests 28a to 28g	-	-
IEC 60603-7	2008	Connectors for electronic equipment - Part 7: Detail specification for 8-way, unshielded, free and fixed connectors	EN 60603-7	2009
IEC 60603-7-1	2011	Connectors for electronic equipment - Part 7-1: Detail specification for 8-way, shielded, free and fixed connectors	EN 60603-7-1	2011

1) At draft stage. IEC 60512-28-100 (future ed. 2.0) will replace IEC 60512-28-100:2013, *Connectors for electronic equipment – Tests and measurements – Part 28-100: Signal integrity tests up to 1 000 MHz on IEC 60603-7 and IEC 61076-3 series connectors – Tests 28a to 28g*, harmonized as EN 60512-28-100:2013 (not modified).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60603-7-7	2010	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	EN 60603-7-7	2010
IEC 61156	series	Multicore and symmetrical pair/quad cables for digital communications	-	-
IEC 62153-4-15	-	Metallic communication cable test methods - Part 4-15: Electromagnetic compatibility (EMC) - Test method for measuring transfer impedance and screening attenuation - or coupling attenuation with triaxial cell	-	-

CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references.....	7
3 Terms and definitions	8
4 Common features and isometric view	8
5 Cable terminations and internal connections – Fixed and free connectors	8
6 Gauges	8
7 Characteristics	9
7.1 General.....	9
7.2 Pin and pair grouping assignment.....	9
7.3 Classification into climatic category	9
7.4 Electrical characteristics.....	9
7.5 Transmission characteristics	9
7.5.1 General	9
7.5.2 Insertion loss	10
7.5.3 Return loss	10
7.5.4 Propagation delay	10
7.5.5 Delay skew	10
7.5.6 NEXT.....	11
7.5.7 Power sum NEXT (for information only)	11
7.5.8 FEXT	11
7.5.9 Power sum FEXT (for information only).....	11
7.5.10 Transverse conversion loss	12
7.5.11 Transverse conversion transfer loss	12
7.5.12 Coupling attenuation	12
7.5.13 Power sum alien (exogenous) NEXT.....	12
7.5.14 Power sum alien (exogenous) FEXT	13
7.6 Mechanical	13
7.6.1 Mechanical operation	13
7.6.2 Effectiveness of connector coupling devices	13
7.6.3 Insertion and withdrawal forces	13
8 Tests and test schedule	13
8.1 General.....	13
8.2 Arrangement for contact resistance test.....	13
8.3 Arrangement for vibration test	13
8.4 Test procedures and measuring methods.....	13
8.5 Preconditioning	14
8.6 Wiring and mounting of specimens	14
8.6.1 Wiring.....	14
8.6.2 Mounting.....	14
8.7 Test schedules.....	14
8.7.1 General	14
8.7.2 Basic (minimum) test schedule	14
8.7.3 Full test schedule.....	14
Bibliography	17

Figure 1 – Diagram of the interrelation of the documents6

Table 1 – Test group EP15

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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 specification regarding a component of a higher number document all lower numbered documents shall be considered as well. The following diagram (Figure 1) shows the interrelation of the documents:

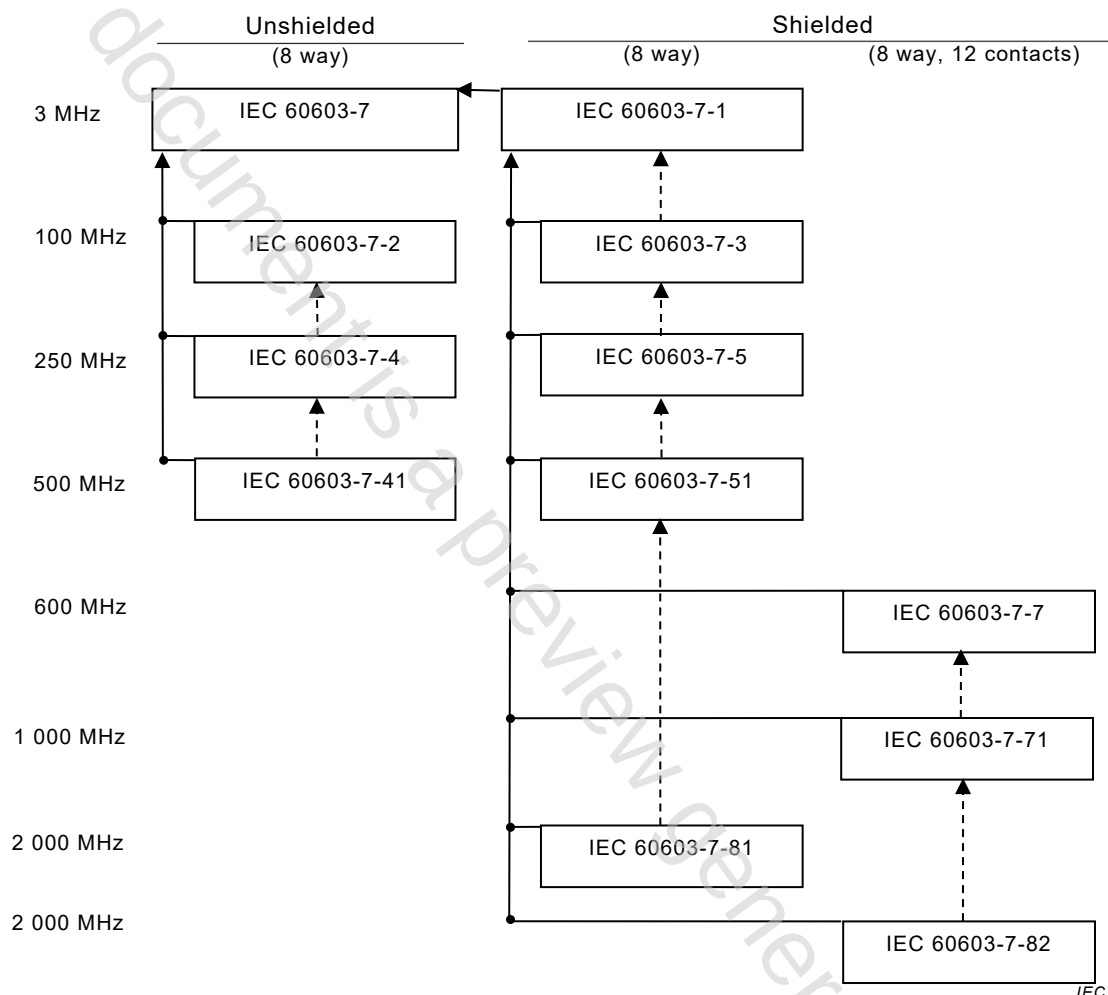


Figure 1 – Diagram of the interrelation of the documents