



SLOVENSKI STANDARD

SIST HD 483.11 S3:1999

01-april-1999

Sound system equipment -- Part 11: Application of connectors for the interconnection of sound system components (IEC 60268-11:1987 + A1:1989 + A2:1991)

Sound system equipment -- Part 11: Application of connectors for the interconnection of sound system components

Elektroakustische Geräte -- Teil 11: Anwendung von Steckverbindern für die Verbindung von Teilen elektroakustischer Anlagen

Equipements pour systèmes électroacoustiques -- Partie 11: Application des connecteurs pour l'interconnexion des éléments de systèmes électroacoustiques

Ta slovenski standard je istoveten z: HD 483.11 S3:1993

ICS:

33.160.50 Pribor Accessories

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HARMONIZATION DOCUMENT

HD 483.11 S3

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

August 1993

UDC 621.396.7:621.395.6:621.316.541

Descriptors: Sound system equipment, electrical connection, electrical connector, designation, classification, application

ENGLISH VERSION

Sound system equipment
Part 11: Application of connectors for the
interconnection of sound system components
(IEC 268-11:1987 + A1:1989 + A2:1991)

Equipements pour systèmes
électroacoustiques
Onzième partie: Application des
connecteurs pour
l'interconnexion des éléments
de systèmes électroacoustiques
(CEI 268-11:1987 + A1:1989 +
A2:1991)

Elektroakustische Geräte
Teil 11: Anwendung von
Steckverbindern für die
Verbindung von Teilen
elektroakustischer Anlagen
(IEC 268-11:1987 + A1:1989 +
A2:1991)

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This Harmonization Document was approved by CENELEC on 1993-07-06.
CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations
which stipulate the conditions for implementation of this Harmonization Document
on a national level.

Up-to-date lists and bibliographical references concerning national implementation
may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French,
German).

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

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Ref. No. HD 483.11 S3:1993 E

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 268-11:1987 and its amendments 1:1989 and 2:1991 could be accepted without textual changes, has shown that no common modifications were necessary for the acceptance as Harmonization Document.

The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as HD 483.11 S3 on 6 July 1993.

The following dates were fixed:

- latest date of announcement
of the HD at national level (doa) 1993-09-01
- latest date of publication of
a harmonized national standard (dop) 1994-03-01
- latest date of withdrawal of
conflicting national standards (dow) 1994-03-01

For products which have complied with HD 483.11 S2:1991 before 1994-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1999-03-01.

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Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 268-11:1987 and its amendments 1:1989 and 2:1991 was approved by CENELEC as a Harmonization Document without any modification.

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

This Harmonization document 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 Harmonization document only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

NOTE : When the international publication has been modified by CENELEC common modifications, indicated by (mod), the relevant EN/HD applies.

IEC Publication	Date	Title	EN/HD	Date
65 (mod)	1985	Safety requirements for mains operated electronic and related apparatus for household and similar general use	HD 195 S6	1989
130-8	1976	Connectors for frequencies below 3 MHz Part 8: Concentric connectors for audio circuits in radio receivers	-	-
130-9	1987	Part 9: Circular connectors for radio and associated sound equipment	-	-
268-12	1987	Sound system equipment Part 12: Application of connectors for broadcast and similar use	HD 483.12 S2*	1993
268-15	1987	Part 15: Preferred matching values for the interconnection of sound system components	HD 483.15 S4*	1992

* HD 483.12 S2 includes A1:1991 to IEC 268-12
HD 483.15 S4 includes A1:1989 + A2:1990 + A3:1991 to IEC 268-15

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

268-11

Deuxième édition
Second edition
1987-03

Equipements pour systèmes électroacoustiques

Onzième partie:

**Application des connecteurs pour l'interconnexion
des éléments de systèmes électroacoustiques**

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Sound system equipment

Part 11: SIST HD 483.11 S3:1999

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**Application of connectors for the interconnection
of sound system components**

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SOUND SYSTEM EQUIPMENT**Part 11: Application of connectors for the interconnection
of sound system components**

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.
- 4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

PREFACE OF THE FIRST EDITION

This standard has been prepared by Sub-Committee 29B: Audio Engineering, of IEC Technical Committee No. 29: Electro-acoustics.

The text of this standard is based upon the following documents:

Six Months' Rule	Report on Voting
29B (CO) 82	29B (CO) 88

PREFACE OF THE SECOND EDITION

This standard has been prepared by IEC Technical Committee No. 84: Equipment and Systems in the Field of Audio, Video and Audiovisual Engineering (formerly Sub-Committee 29B: Audio Engineering, of IEC Technical Committee No. 29: Electro-acoustics).

This second edition replaces the first edition of IEC Publication 268-11.

The text of this standard is based upon the first edition and the following documents:

Six Months' Rule	Report on Voting
29B (CO) 95	29B (CO) 107
29B (CO) 102	29B (CO) 111
84 (CO) 12	84 (CO) 22
84 (CO) 13	84 (CO) 23

Further information can be found in the relevant Reports on Voting indicated in the table above.

The following IEC publications are quoted in this standard:

- Publications Nos. 65 (1985): Safety Requirements for Mains Operated Electronic and Related Apparatus for Household and Similar General Use.
- 130-8 (1976): Connectors for Frequencies below 3 MHz,
Part 8: Concentric Connectors for Audio Circuits in Radio Receivers.
- 130-9 (1987): Part 9: Circular Connectors for Radio and Associated Sound Equipment.
- 268-12 (1987): Sound System Equipment,
Part 12: Application of Connectors for Broadcast and Similar Use.
- 268-15 (1987): Part 15: Preferred Matching Values for the Interconnection of Sound System Components.

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SOUND SYSTEM EQUIPMENT

Part 11: Application of connectors for the interconnection of sound system components

1. Scope

This standard applies to circular and concentric connectors to be used for the interconnection of sound system components and gives the applications and also the contact arrangement and contact designation for these connectors.

2. Object

In sound systems it is often necessary to connect pieces of equipment from different manufacturers and even from various countries in order to achieve desired objectives. These include the making of recordings or copying of recordings already on tape or cassette, achieving a higher sound level by means of a separate power amplifier, feeding loudspeakers, automatic control of slide projectors, etc.

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3. General

3.1 The connectors shall comply with the electrical and mechanical requirements given in IEC Publication 130-8: Connectors for Frequencies below 3 MHz, Part 8: Concentric Connectors for Audio Circuits in Radio Receivers, and IEC Publication 130-9: Connectors for Frequencies below 3 MHz, Part 9: Circular Connectors for Radio and Associated Sound Equipment.

3.2 For safety considerations, reference is made to IEC Publication 65: Safety Requirements for Mains Operated Electronic and Related Apparatus for Household and Similar General Use.

Notes 1. - The preferred electrical matching values for the interconnection of sound system components are given in IEC Publication 268-15: Sound System Equipment. Part 15: Preferred Matching Values for the Interconnection of Sound System Components.

2. - Connectors for broadcast and similar use are dealt with in IEC Publication 268-12: Part 12: Application of Connectors for Broadcast and Similar Use.

3. - For applications other than those given in this standard, reference is made to IEC Publications 130-8 and 130-9.

4. - At present not all connectors referred to in this standard are included in these publications.

4. Application and contact designation

For circular connectors, the contact arrangement and application shall be as given in Table I and the contact designation shall be as given in Table III. For concentric connectors the contact arrangement and application shall be as given in Table IV and the contact designation shall be as given in Table V.

4.1 Terminology for concentric connectors

In Table IV, the following types of connectors are identified:

- $\frac{1}{4}$ in/6.3 mm concentric connector (2 contacts).
- $\frac{1}{4}$ in/6.3 mm concentric connector (3 contacts).
- Miniature concentric connector (2 contacts) (3.5 mm diameter).
- Miniature concentric connector (3 contacts) (3.5 mm diameter).
- Sub-miniature concentric connector (2 contacts) (2.5 mm diameter).
- Phono/3.2 mm concentric connector (2 contacts).

Note. - The phono/3.2 mm concentric connector has other names in certain countries but these names cannot be used internationally for legal reasons.

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