

# SLOVENSKI STANDARD

## SIST HD 369.3 S1:1999

01-julij-1999

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### Audiovisual, video and television equipment and systems - Part 3: Connectors for the interconnection of equipment in audio-visual systems (IEC 60574-3:1983)

Audiovisual, video and television equipment and systems -- Part 3: Connectors for the interconnection of equipment in audio-visual systems

Audiovisuelle, Video- und Fernsehgeräte und -systeme -- Teil 3: Steckverbinder für die Verbindung von Geräten in audiovisuellen Anlagen

Equipments et systèmes audio-visuels, magnétoscopiques et de télévision -- Partie 3: Connecteurs pour l'interconnexion des éléments de systèmes audio-visuels

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**Ta slovenski standard je istoveten z: HD 369.3 S1:1986**

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#### **ICS:**

31.220.10 Xā ā Ą } & Ą [ ] ^ ğ ! ĩ Plug-and-socket devices.  
Connectors

**SIST HD 369.3 S1:1999**

**en**

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 coaxial connectors

AUDIO-VISUAL, VIDEO AND TELEVISION EQUIPMENT AND  
 SYSTEMS  
 PART 3 : CONNECTORS FOR THE INTERCONNECTION OF  
 EQUIPMENT IN AUDIO-VISUAL SYSTEMS

Equipements et systèmes  
 audio-visuels, magnétoscopiques  
 et de télévision  
 Troisième partie: Connecteurs  
 pour l'interconnexion des  
 éléments de systèmes  
 audio-visuels

Audio-visuelle, Video- und  
 Fernsehgeräte und -systeme  
 Teil 3: Steckverbinder für die  
 Verbindung von Geräten in  
 audio-visuellen Anlagen

## BODY OF THE HD

The Harmonization Document consists of:

- IEC 574-3 (1983) ed 1 ; IEC/SC 60C, not appended

This Harmonization Document was approved by CENELEC on 1986-02-27.

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The English and French versions of the HD are provided by the text of the IEC publication and the German version is the official translation of the IEC text.

According to the CENELEC Internal Regulations the CENELEC member National Committees are bound :

to announce the existence of this Harmonization Document at national level  
 by or before 1986-07-01

to publish their new harmonized national standard  
 by or before 1987-07-01

to withdraw all conflicting national standards  
 by or before 1987-07-01

Harmonized national standards are listed on the HD information sheet,  
 which is available from the CENELEC National Committees or from the CENELEC General Secretariat.

The CENELEC National Committees are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

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NORME DE LA CEI

INTERNATIONAL ELECTROTECHNICAL COMMISSION  
IEC STANDARD

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Équipements et systèmes audio-visuels, magnétoscopiques  
et de télévision

Troisième partie: Connecteurs pour l'interconnexion  
des éléments de systèmes audio-visuels

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Audio-visual, video and television equipment and systems

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Part 3: Connectors for the interconnection  
of equipment in audio-visual systems

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

AUDIO-VISUAL, VIDEO AND TELEVISION EQUIPMENT  
AND SYSTEMS

## Part 3: Connectors for the interconnection of equipment in audio-visual systems

## 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.

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This standard has been prepared by Sub-Committee 60C.9 Systems of Audio-visual and Electronic Technology (for Information and Communication), of IEC Technical Committee No. 60: Recording.  
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Work was started at the meeting held in Paris in 1975.

A first draft was discussed at the meeting held in Palo Alto in 1979. As a result of this meeting, a draft, Document 60C(Central Office)24, was submitted to the National Committees for approval under the Six Months' Rule in February 1981.

The National Committees of the following countries voted explicitly in favour of publication:

Australia	Poland
Belgium	Romania
Bulgaria	South Africa (Republic of)
Czechoslovakia	Spain
Egypt	Sweden
Germany	United Kingdom
Japan	United States of America
Netherlands	Yugoslavia
New Zealand	

## AUDIO-VISUAL, VIDEO AND TELEVISION EQUIPMENT AND SYSTEMS

### Part 3: Connectors for the interconnection of equipment in audio-visual systems

#### 1. Scope

This standard applies to the types of connectors to be used for the interconnection of equipment in audio-visual systems and gives requirements for contact arrangements and contact designation for the connectors.

This standard specifies four systems for the interconnection:

- a) by means of concentric connectors—IEC type 130-8 for audio systems;
- b) by means of circular connectors—IEC type 130-9 for audio, audio-visual and video systems;
- c) by means of circular connectors—IEC type 130-xx for audio systems;
- d) by means of coaxial connectors—IEC type 169-2 for video systems.

It is not the purpose of this specification to specify the dimensional and electrical characteristics of the connectors.

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#### 2. Object

- 2.1 In audio-visual systems it is often necessary to connect together pieces of equipment from different manufacturers and even from various countries in order to achieve desired objectives.

These include the making of recordings from electronic devices or copying of recordings already on tape or cassette, achieving a higher sound volume level by means of a separate power amplifier, feeding loudspeakers, automatic control of slide projectors, etc.

#### 2.2 IEC standards referred to in this publication

- Publication 130-8: Connectors for Frequencies below 3 MHz, Part 8: Concentric Connectors for Audio Circuits in Radio Receivers.
- Publication 130-9: Part 9: Circular Connectors for Radio and Associated Sound Equipment.
- Publication 169-2: Radio-frequency Connectors, Part 2: Coaxial Unmatched Connector.
- Publication 268-4: Sound System Equipment; Part 4: Microphones.
- Publication 268-11: Part 11: Circular Connectors for the Interconnection of Sound System Components.
- Publication 268-12: Part 12: Circular Connectors for Broadcast and Similar Use.
- Publication 608: Interconnections between Video-tape Recorders and Television Receivers for 50 Hz, 625 lines systems.



### 3. Concentric connectors—IEC type 130-8

#### 3.1 *Electrical and mechanical requirements of the connector*

The electrical and mechanical requirements shall be in accordance with IEC Publication 130-8.

#### 3.2 *Application and contact arrangement/designation*

The contact arrangement and application shall be as given in Table I and the contact designation shall be as given in Table II.

##### 3.2.1 *Terminology*

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

- ¼ in (6.3 mm) concentric connector
- miniature concentric connector
- sub-miniature concentric connector.

*Note.* — These types of connectors are also known as phone plugs and jacks.

- phono/3.2 mm concentric connector.

### 4. Circular connectors—IEC type 130-9

#### 4.1 *Electrical and mechanical requirements of the connector*

The electrical and mechanical requirements shall be in accordance with IEC Publication 130-9.

#### 4.2 *Application and contact arrangement/designation*

The application, contact arrangement and contact designation are based on IEC Publication 268-11 for audio systems and IEC Publication 608 for video systems.

##### 4.2.1 *Audio systems*

The application, contact arrangement and contact designation shall be as given in Tables III and IV.

##### 4.2.2 *Audio, audio-visual and video systems*

The application, contact arrangement and contact designation shall be as given in Tables III and V.

### 5. Circular connectors—IEC type 130-xx

#### 5.1 *Electrical and mechanical requirements of the connector*

The electrical and mechanical requirements shall be in accordance with IEC Publication 130-xx (under consideration).

#### 5.2 *Application and contact arrangement/designation*

The application, contact arrangement and contact designation shall be as given in Tables VI and VII, which are based on IEC Publication 268-12.