



**SLOVENSKI STANDARD**  
**SIST EN 60948:1997**  
**01-avgust-1997**

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**Numeric keyboard for home electronic systems (IEC 948:1988)**

Numeric keyboard for home electronic systems

Numerische Tastatur für Heim-Elektronik-Systeme (HES)

Clavier numérique pour systèmes électroniques domestiques (SED)

**Ta slovenski standard je istoveten z: EN 60948:1990**

[SIST EN 60948:1997](https://standards.iteh.ai/catalog/standards/sist/0046c695-46ae-4f5c-ad6e-8b1095713dc9/sist-en-60948-1997)

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**ICS:**

35.160	Mikroprocesorski sistemi	Microprocessor systems
97.120	Avtomatske krmilne naprave za dom	Automatic controls for household use

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**en**

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UDC 621.398:64

Descriptors: Electronic equipment, household equipment, videotex, control equipment, remote control, keyboard, numerical character, key, layout

ENGLISH VERSION

NUMERIC KEYBOARD FOR HOME ELECTRONIC SYSTEMS (HES)  
(IEC 948:1988)

Clavier numérique pour systèmes  
électroniques domestiques (SED)  
(CEI 948:1988)

Numerische Tastatur für  
Heim-Elektronik-Systeme (HES)  
(IEC 948:1988)

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This European Standard was approved by CENELEC on 1990-06-11. 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

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Ref. No. EN 60948:1990 E

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 948:1988 could be accepted without textual changes, has shown that no CENELEC common modifications were necessary for the acceptance as European Standard. The reference document was submitted to the CENELEC members for formal vote and was approved by CENELEC as EN 60948 on 11 June 1990.

The following dates were fixed:

- latest date of publication of  
an identical national standard (dop) 1991-06-15
- latest date of withdrawal of  
conflicting national standards (dow) 1991-06-15

For products which have complied with the relevant national standard before 1991-06-15, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1996-06-15.

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The text of the International Standard IEC 948:1988 was approved by CENELEC as a European Standard without any modification.

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## ANNEX ZA (normative)

## OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD

ITU publication:

Recommendation E. 161: Arrangement of figures, letters and symbols on rotary dials and pushbutton telephone sets. CCITT Redbook, Fascicle II.2 (1985).

ISO publications:

ISO Standard 1092 (1974): Adding machines and calculating machines - Numeric section of ten-key keyboards.

ISO Standard 3791 (1976): Office machines and data processing equipment - Keyboard layouts for numeric applications.

Related document:

ISO Standard 4169 (1979): Office machines - Keyboards - Key numbering system and layout charts.

SIST EN 60948:1997

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NORME INTERNATIONALE  
INTERNATIONAL STANDARD

CEI  
IEC  
948

Première édition  
First edition  
1988



Commission Electrotechnique Internationale

International Electrotechnical Commission

Международная Электротехническая Комиссия

Clavier numérique pour systèmes électroniques  
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Numeric keyboard for home electronic  
systems (HES)

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## NUMERIC KEYBOARD FOR HOME ELECTRONIC 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 recommendation 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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PREFACE

This standard has been prepared by IEC Technical Committee N° 83: Information Technology Equipment.

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The text of this standard is based on the following document:

Six Months' Rule	Report on Voting
83(CO)19	83(CO)20

Full information on the voting for the approval of this standard can be found in the Voting Report indicated in the above table.

The following publications are quoted in this standard:

ITU publication:

Recommendation E. 161: Arrangement of figures, letters and symbols on rotary dials and pushbutton telephone sets. CCITT Redbook, Fascicle II.2 (1985).

ISO publications:

ISO Standard 1092 (1974): Adding machines and calculating machines - Numeric section of ten-key keyboards.



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