

**SLOVENSKI
STANDARD**

SIST EN 50088:1998/A2:1998

prva izdaja

junij 1998

Varnost električnih igrač

Safety of electric toys - Amendment A2

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ICS 97.200.50

Referenčna številka
SIST EN 50088:1998/A2:1998(en)

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ICS 97.200.50

Descriptors: Toys, electric toys, safety rules, accident prevention, children

English version

Safety of electric toys

Sécurité des jouets électriques

Sicherheit elektrischer Spielzeuge

This amendment A2 modifies the European Standard EN 50088:1996; it was approved by CENELEC on 1997-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

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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

A proposal to amend EN 50088:1996, document CLC/TC 61 (SEC) 1048, was circulated under the enquiry procedure in September 1995. This proposal was discussed during the Copenhagen meeting in May 1996, when it was decided to submit a draft for an amendment to EN 50088 to the formal vote.

This draft was circulated as prAC in November 1996 and was approved by CENELEC as amendment A2 on 1997-07-01.

This amendment has been prepared by the secretariat of CENELEC Technical Committee TC 61.

The following dates are applicable:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1998-03-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 2000-03-01

For products which have complied with the relevant national standards before 2000-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2005-03-01.

This amendment supplements or modifies the corresponding clauses of EN 50088:1996.

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Content

Add:

Annex H - Sets for electrical experiments

1 Scope

Replace the second sentence of the first paragraph by:

This standard also applies to electric **constructional sets**, electric **functional toys** and to **experimental sets**.

NOTE: Requirements for **experimental sets** are given in annex H.

Delete the first dashed item of note 4.

3 Definitions

3.2.2 *Replace by:*

experimental set: Collection of electric or electronic components intended to be assembled in various combinations by children aged 8 years and older.

NOTE 1: The main aim of an **experimental set** is to facilitate the acquiring of knowledge by experiment and research. It is not intended to create a **toy** or equipment for practical use.

NOTE 2: **Experimental sets** may include mechanical parts. The aim of the experiments may be to demonstrate physical phenomena, or electrical or mechanical functions.

Add the following annex:

Annex H (normative)

Sets for electrical experiments

All clauses of this standard apply to all components of **experimental sets** supplied together or separately, unless otherwise specified in this annex.

H.1 Scope

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Addition:

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This annex deals with the safety of **experimental sets**.

NOTE: EN 71-3 is not applicable to electric components.

H.5 General conditions for the tests

H.5.10 Addition:

The test are carried out with the experiments described in the instructions which result in the most unfavourable condition. If experiments other than those described in the instructions could result in even more unfavourable conditions, they are also carried out, as far as reasonable, unless the instructions warn against carrying them out.

H.5.15 Not applicable.

H.7 Marking and instructions

H.7.1 Addition:

The substance of the following shall be indicated on the packaging:

- Warning: Only for use by children aged 8 years and older.

NOTE: An age higher than 8 years may be stated.

- Instructions for parents or other responsible persons are included and have to be observed.

H.7.4 Addition:

The instructions for parents or other responsible persons shall state the minimum age of the child for whom the set is intended.

Detailed information shall be given in the instructions on how to set up and perform each experiment and written so that they are understandable by the age group for which the **experimental set** is intended. It shall point out possible hazards and give technical information concerning the electrical parts, their behaviour and how to handle them properly. All hazards which can be expected during an experiment, such as those resulting from the short-circuiting of batteries or the wrong connection of capacitors, shall be described in detail.

Instructions for children and for parents or other responsible persons may be given in one or two documents. If the instructions are given in one document, the section addressed to parents or other responsible persons shall be given first.

The instructions shall include a warning against manipulation of protective devices such as current limiting devices. They shall describe the consequential dangers such as overheating of cords, eruption of batteries and excessive heating.

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H.8 Power input

Not applicable.

H.9 Heating and abnormal operation

H.9.4 Not applicable.

H.9.6 Not applicable.

H.9.9 *Addition:*

For **experimental sets**, the temperature rise of surfaces other than those of handles, knobs, buttons and similar parts can exceed the limits if an appropriate warning is given in the instructions.

H.11 Moisture resistance

Not applicable.

H.12 Electric strength at room temperature

Not applicable.

H.13 Mechanical strength

Not applicable.

H.14 Construction

Addition:

H.14.101 The current shall not exceed 5 A and the power input shall not exceed 50 VA. However these values may be exceeded during a period up to 10 s.

Compliance is checked by measurement during the tests.

H.15 Protection of cord and wires

Not applicable.

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