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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 50410

January 2008

ICS 97.200.50; 97.190

English version

Household and similar electrical appliances -Safety -Particular requirements for decorative robots

Appareils électrodomestiques et analogues -Sécurité -Règles particulières pour les robots décoratifs Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke -Besondere Anforderungen für Geräte für Dekorationszwecke

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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.

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CENELEC

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

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Foreword

This European Standard has been prepared by the Technical Committee CENELEC TC 61, Safety of household and similar electrical appliances. During the Brussels meeting in November 2002, it was decided to submit a draft to the CENELEC enquiry. The result of the enquiry was discussed during the Brughes meeting in June 2005, where it was decided to submit a draft to the formal vote.

The draft was circulated in April 2007 and was approved by CENELEC as EN 50410 on 2007-12-01.

The following dates are applicable:

_	latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2008-12-01
_	latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2010-12-01

This standard has to be used in conjunction with EN 60335-1, Household and similar electrical appliances – Safety – Part 1: General requirements. It was established on the basis of the 2002 edition of that standard. Amendments and revisions of EN 60335-1 have also to be taken into account and the dates when such changes become applicable will be stated in the relevant amendment or revision of EN 60335-1.

This standard, which is regarded as a Part 2 of EN 60335, supplements or modifies the corresponding clauses of EN 60335-1, so as to convert it into the European Standard: Safety requirements for decorative robots.

When a particular subclause of EN 60335-1 is not mentioned in this standard, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of EN 60335-1 is to be adapted accordingly.

NOTE 1 The following numbering system is used:

- subclauses, tables and figures that are numbered starting from 101 are additional to those in EN 60335-1;
- unless notes are in a new subclause or involve notes in EN 60335-1, they are numbered starting from 101, including those in a replaced clause or subclause;
- additional annexes are lettered AA, BB, etc.
- subclauses, notes and annexes that are additional to those in the IEC standard are prefixed with the letter Z.

NOTE 2 The following print types are used:

- requirements: in roman type;
- test specifications: in italic type;
- notes: in small roman type.

Words in **bold** in the text are defined in Clause 3. When a definition concerns an adjective, the adjective and the associated noun are also in bold.

There are no special national conditions causing a deviation from this European Standard, other than those listed in Annex ZA to EN 60335-1.

There are no national deviations from this European Standard, other than those listed in Annex ZB to EN 60335-1.

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Introduction

An investigation by CENELEC TC 61 has shown that all risks from products within the scope of this standard are fully covered by the Low Voltage Directive, 2006/95/EC. For products having mechanical moving parts, a risk assessment in accordance with the Machinery Directive, 98/37/EC, has shown that the risks are mainly of electrical origin and consequently this directive is not applicable. However, the relevant essential safety requirements of the Machinery Directive are covered by this standard together with the principal objectives of the Low Voltage Directive.

Decorative robots designed for use with a rated voltage between and including 50 V a.c. and 1 000 V a.c. or between and including 75 V d.c. and 1 500 V d.c. are covered by the Low Voltage Directive.

Some decorative robots designed for use with a rated voltage below 50 V a.c. or 75 V d.c. are covered by the General Product Safety Directive, 2001/95/EC.



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