

Safety of household and similar electrical appliances —

Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

The European Standard EN 60335-2-97:2000, incorporating amendment A11:2006, has the status of a British Standard

ICS 97.030; 97.040.01; 97.100.10

National foreword

This British Standard is the UK implementation of EN 60335-2-97:2000, incorporating amendment A11:2006. It was derived by CENELEC from IEC 60335-2-97:1998.

The CENELEC common modifications have been implemented at the appropriate places in the text. The start and finish of each common modification is indicated in the text by tags **[C]** **[C]**. Where a common modification has been introduced by amendment, the tags carry the number of the amendment. For example, the common modifications introduced by CENELEC amendment A11 are indicated by **[C11]** **[C11]**.

The UK participation in its preparation was entrusted by Technical Committee CPL/61, Safety of household and similar electrical appliances, to Subcommittee CPL/61/01, Motorized appliance group.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Committee and comes into effect on 15 July 2001

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English version

Safety of household and similar electrical appliances
Part 2-97: Particular requirements for drives for rolling shutters, awnings,
blinds and similar equipment
(IEC 60335-2-97:1998, modified)

Sécurité des appareils
électrodomestiques et analogues
Partie 2-97: Règles particulières pour les
motorisations de volets, stores, rideaux et
équipements enroulables analogues
(CEI 60335-2-97:1998, modifiée)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2-97: Besondere Anforderungen für
Rolläden, Markisen, Jalousien und
ähnliche Einrichtungen
(IEC 60335-2-97:1998, modifiziert)

This European Standard was approved by CENELEC on 2000-08-01. 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, Czech Republic, 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

Foreword

The proposal to endorse IEC 60335-2-97:1998, document CLC/TC 61(SEC)1192, was discussed during the Naples meeting of CENELEC TC 61 in November 1998, when it was decided to submit a draft for EN 60335-2-97 to the formal vote.

This draft was circulated in November 1999 and was ratified by CENELEC as EN 60335-2-97 on 2000-08-01.

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) 2001-05-01
- date on which national standards conflicting with the EN have to be withdrawn (dow) 2003-08-01

This standard has to be used in conjunction with EN 60335-1, Safety of household and similar electrical appliances, Part 1: General requirements. It was established on the basis of the 1994 edition of that standard. Amendments and revisions of part 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 part 1.

This part 2 supplements or modifies the corresponding clauses of EN 60335-1, so as to convert it into the European Standard: Safety requirements for electric drives for rolling shutters, awnings, blinds and similar equipment.

When a particular subclause of part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text of part 1 is to be adapted accordingly.

Subclauses and figures which are additional to those in part 1 are numbered starting with 101.

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.

NOTE 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 2. When a definition of part 1 concerns an adjective, the adjective and the associated noun are also in bold.

Foreword to amendment A11

This amendment to the European Standard EN 60335-2-97:2000 was prepared by the Technical Committee CENELEC TC 61, Safety of household and similar electrical appliances.

During the Milan meeting of CENELEC TC 61 in November 2004, it was decided to prepare a draft amendment to EN 60335-2-97:2000. This draft was discussed in the Brughes meeting in June 2005, where it was decided to send it to the formal vote.

This draft was launched in May 2006 and was approved by CENELEC as amendment A11 to EN 60335-2-97:2000 on 2006-10-01.

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) 2007-10-01
- date on which the national standards conflicting with the amendment have to be withdrawn (dow) 2009-04-01

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SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –

Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment

1 Scope

This clause of part 1 is replaced by:

This standard deals with the safety of electric **drives** for rolling equipment such as shutters, blinds and awnings, intended for household and similar purposes, their **rated voltage** being not more than 250 V for single-phase appliances and 480 V for other appliances.

Drives for equipment with a spring-controlled **driven part**, such as a folding arm awning, are also within the scope of this standard.

NOTE 1 – Examples of rolling equipment which can be driven are

- shutters for doors and windows;
- awnings;
- blinds;
- grilles;
- projection screens.

Examples are shown in figure 101.

NOTE 2 – The **drive** may be supplied with a **driven part**.

Appliances not intended for normal household use but which nevertheless may be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry, on farms and on industrial premises, are within the scope of this standard.

So far as is practicable, this standard deals with the common hazards presented by appliances which are encountered by all persons in and around the home.

This standard does not in general take into account playing with the appliance by young children but recognizes that children may be in the vicinity.

NOTE 3 – Attention is drawn to the fact that

- for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary;
- for appliances intended to be used in tropical countries, special requirements may be necessary;
- in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities.

NOTE 4 – This standard does not apply to

- **drives** for rolling doors;
- **drives** for garage doors for residential use (IEC 60335-2-95);
- **drives** used in premises such as hangars or in heavy industry;
- **drives** for theatre curtains;
- sliding and trolley jack **drives**.