

Specification for

Safety of household and similar electrical appliances —

Part 2: Particular requirements —

Section 2.71 Electrical heating appliances for breeding and rearing animals

The European Standard EN 60335-2-71:1995, with the incorporation of its amendments A1:1998 and A2:1999, has the status of a British Standard

ICS 65.020.30; 97.100

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee CPL/61, Safety of electrical appliances, upon which the following bodies were represented:

- Agricultural Engineers Association
- Association of Consulting Scientists
- Association of Control Manufacturers [TACMA (BEAMA Ltd.)]
- Association of Manufacturers of Domestic Electrical Appliances
- British Cable Makers Confederation
- British Electrotechnical Approvals Board
- British Pest Control Association
- British Retail Consortium
- CESA (the Association of Catering Equipment Manufacturers and Importers)
- Consumer Policy Committee of BSI
- Consumers' Association
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- ERA Technology Ltd.
- Electrical Installation Equipment Manufacturers Association (BEAMA Ltd.)
- Electricity Association
- Health and Safety Executive
- Industrial Cleaning Machine Manufacturers Association (BEAMA Ltd.)
- Institute of Trading Standards Administration
- Institution of Electrical Engineers
- Loss Prevention Council
- Ministry of Defence
- Portable Electric Tool Manufacturers Association
- Rotating Electrical Machines Association (BEAMA Ltd.)
- Royal Society for the Prevention of Accidents
- Small Electrical Appliances Marketing Association

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Agricultural and Garden Machinery Association Ltd.
- British Medical Association
- Milk Marque
- Milking Machine Manufacturers Association
- Ministry of Agriculture, Fisheries and Food
- National Farmers' Union
- National Rivers Authority
- Silsoe Research Institute
- Universities Federation for Animal Welfare

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 April 1996

© BSI 01-2000

The following BSI references relate to the work on this standard:
Committee reference CPL/61
Draft for comment 90/34583 DC

ISBN 0 580 25253 1

Amendments issued since publication

Amd. No.	Date	Comments
10116	January 1999	Addition of subclause 11.7
10657	January 2000	See national foreword

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
Text of EN 60335-2-71	5
National annex NA (informative) Original IEC text amended by CENELEC common modifications	12
List of references	Inside back cover

National foreword

This British Standard has been prepared by Technical Committee CPL/61 and is the English language version of EN 60335-2-71:1995 *Safety of household and similar electrical appliances — Part 2: Particular requirements for electrical heating appliances for breeding and rearing animals*, including amendments A1:1998 and A2:1999, published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived from IEC 60335-2-71:1993 (first edition) including amendments 1:1996 and 2:1999 published by the International Electrotechnical Commission (IEC), which has the same title as the European Standard.

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]. The start and finish of text introduced or altered by amendment is indicated in the text by tags [A1] [A1]. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by [A1] [A1]. The national differences taken from the preface to IEC 60335-2-71:1993 and parts of the original IEC text that have been modified by CENELEC are quoted in National annex NA.

The foreword EN 60335-2-71 makes reference to the date of withdrawal, dow, of the relevant national standard. There is no British Standard that conflicts with this European Standard.

This British Standard is to be read in conjunction with BS EN 60335-1:1995 *Specification for safety of household and similar electrical appliances — Part 1 General requirements*. The many references to Part 1 should be read as references to BS EN 60335-1:1995, which is the English language version of EN 60335-1:1994, which was derived from IEC publication 335-1, third edition 1991, second impression 1993. 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.

Cross-references

Publication referred to	Corresponding British Standard
HD 323.2.11 S1	BS 2011: <i>Environmental testing</i> Part 2.1 <i>Tests</i> Part 2.1 Ka:1982 <i>Test Ka. Salt mist</i>
EN 60238	BS EN 60238:1992 <i>Specification for edison screw lampholders</i>
EN 60335-2-30	BS EN 60335 <i>Specification for safety of household and similar electrical appliances</i> Part 2 <i>Particular requirements</i> Section 2.30:1993 <i>Room heaters</i>

Product certification. Users of this British Standard are advised to consider the desirability of third party certification of product conformity with this British Standard based on testing and continuing surveillance, which may be coupled with assessment of a supplier's quality systems against the appropriate standard in the BS EN ISO 9000 series.

Enquiries as to the availability of third party certification schemes will be forwarded by BSI to the Association of British Certification Bodies. If a third party certification scheme does not already exist, users should consider approaching an appropriate body from the list of association members.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 12, an inside back cover, and a back cover.

The BSI copyright notice displayed in this document indicates the most recent changes by amendment.

Descriptors: Livestock electrical equipment, animal feeding equipment, heating appliances, safety requirements, protection against electric shock, fire protection, protection against mechanical hazard

English version

Safety of household and similar electrical appliances Part 2: Particular requirements for electrical heating appliances for breeding and rearing animals

(includes amendments A1:1998 and A2:1999)
(IEC 60335-2-71:1993, modified, + A1:1996 + A2:1999)

Sécurité des appareils électrodomestiques et analogues Partie 2: Règles particulières pour les appareils de chauffage électrique destinés à la reproduction et à l'élevage des animaux (inclut les amendements A1:1998 et A2:1999) (CEI 60335-2-71:1993, modifiée, + A1:1996 + A2:1999)

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke Teil 2: Besondere Anforderungen für Elektrowärmeegeräte für Tieraufzucht und Tierhaltung (enthält Änderungen A1:1998 und A2:1999) (IEC 60335-2-71:1993, modifiziert, + A1:1996 + A2:1999)

This European Standard was approved by CENELEC on 1995-07-04. 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

Foreword

The proposal to endorse IEC 335-2-71:1993, document CLC/TC 61 (SEC) 921, was circulated under the enquiry procedure in September 1993. This proposal was discussed during the Oslo meeting in April 1994, when it was decided to submit a draft for EN 60335-2-71 to the formal vote.

This draft was circulated in February 1995 and was ratified by CENELEC as EN 60335-2-71 on 1995-07-04.

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

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) 1996-04-01
- date on which national standards conflicting with the EN have to be withdrawn (dow) 1998-04-01

For products which have complied with the relevant national standard before 1998-04-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2003-04-01.

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 electrical heating appliances for breeding and rearing animals.

Where a particular subclause of Part 1 is not mentioned in this Part 2, that subclause applies as far as is reasonable. Where this standard states “addition”, “modification” or “replacement”, the relevant text of Part 1 is to be adapted accordingly. Subclauses 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 to EN 60335-1.

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 both in bold.

Foreword to amendment A1

The proposal to endorse amendment 1:1996 to IEC 60335-2-71:1993, document CLC/TC 61 (SEC) 1076, was circulated under the enquiry procedure in August 1996. This proposal was discussed during the Edinburgh meeting in May 1997, when it was decided to submit a draft for an amendment to EN 60335-2-71 to the formal vote.

This draft was circulated in September 1997 and approved by CENELEC as amendment A1 on 1998-04-01.

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) 1999-01-01
- date on which national standards conflicting with the amendment have to be withdrawn (dow) 2001-01-01

This amendment supplements or modifies the corresponding clauses of EN 60335-2-71:1995.

There are no special national conditions causing a deviation from this amendment.

There are no national deviations from this amendment.

Endorsement notice

The text of amendment 1:1996 to the International Standard IEC 60335-2-71:1993 was approved by CENELEC as an amendment to the European Standard without any modification.