

Specification for

Safety of household and similar electrical appliances —

Part 2: Particular requirements —

Section 2.45 Portable electric heating
tools and similar appliances

This European Standard EN 60335-2-45:1990 has the status of a
British Standard

Cooperating organizations

The European Committee for Electrotechnical Standardization (CENELEC), under whose supervision this European Standard was prepared, comprises the National Committees of the following countries.

Austria	Italy
Belgium	Luxemburg
Denmark	Netherlands
Finland	Norway
France	Portugal
Germany	Spain
Greece	Sweden
Iceland	Switzerland
Ireland	United Kingdom

This British Standard was published under the authority of the Standards Board and comes into effect on 31 July 1991

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The following BSI references relate to the work on this standard:
Committee reference LEL/161
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Amendments issued since publication

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National foreword

This British Standard has been prepared under the direction of the Light Electrical Engineering Standards Policy Committee and is the English language version of EN 60335-2-45, “*Safety of household and similar electrical appliances: Part 2: Particular requirements for portable electric heating tools and similar appliances*” including Amendments A1 and A51, published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived by that organization from IEC Publication 335-2-45 (1986) first edition, as amended by Amendment No. 1:1990, which has the same title as the European Standard.

The CENELEC Common Modifications have been implemented at the appropriate places in the text of IEC Publication 335-2-45 (1986) first edition, and are indicated by a single side line in the margin. The foreword and preface of IEC Publication 335-2-45 (1986) first edition and the deleted parts of the original IEC text which do not form part of the text of EN 60335-2-45 have been quoted in National appendix NA. Annexes designated “normative” are part of the body of the standard. Annexes designated “informative” are given for information only. National appendices are designated “informative”.

This British Standard is to be read in conjunction with BS 3456-201:1990 “*General requirements*”, including only those amendments shown in the following table that are marked with an asterisk, which supplement and modify BS 3456-201, which is the English language version of EN 60335-1. EN 60335-1 was derived from the 1983 reprint of IEC Publication 335-1 (1976) second edition including Amendments 1, 2 and 3 to IEC 335-1.

Amendment to BS 3456-201:1990	Amendment to EN 60335-1:1988	Amendment to IEC 335-1:1976
Amendment No. 1:1990*	Amendment 2:1988	Amendment No. 4:1984
Amendment No. 2:1990*	Amendment 5:1989	Amendment No. 5:1986
Amendment No. 3:1990*	Amendment 6:1989	Amendment No. 6:1988
Amendment No. 4:1992*	Amendment A51:1991	—
Amendment No. 5:1992*	Amendment A52:1992	—
Amendment No. 6:1992*	Amendment A53:1992	—
Amendment No. 7:1993*	Amendment A54:1992	—
Amendment No. 8:1993*	Amendment A55:1993	—
Amendment No. 9:1993*	Corrigendum to A55:1993	—
Amendment No. 10:1994*	Corrigendum to EN 60335-1:1988	—

This British Standard supersedes BS 3456-2.14:1971 and BS 3456-2.19:1970 which will be withdrawn by 1 July 1993 in accordance with the CENELEC Internal Regulations.

Cross-references. The relationship between other international publications quoted in this standard and British Standards which are either identical or technically equivalent, is given in National appendix NC.

Product approval. Attention is drawn to the fact that products conforming to this British Standard may be approved by the British Electrotechnical Approvals Board for the purposes of participation in the CENELEC Certification Agreement and in the CB Scheme of the IECEE. (Details of the BEAB Approval Marks Scheme are given on the inside back cover.)

The foreword of the EN Amendment A1 makes reference to “date of withdrawal (dow) of conflicting national standards” as “1995-10-01”. In this case the relevant national standard is BS EN 60335-2-45 but the dow relates only to those parts of the British Standard subject to Amendment No. 1. Certificates and marks will not be awarded after this date with respect to the British Standard not incorporating Amendment No. 1. They will be awarded with respect only to the amended British Standard. However, such certificates and marks already awarded with respect to the British Standard not incorporating Amendment No. 1 may continue to apply for production until 2000-10-01.

The foreword of the EN Amendment A51 makes reference to “date of withdrawal (dow) of conflicting national standards” as “1996-07-01”. In this case the relevant national standard is BS EN 60335-2-45 but the dow relates only to those parts of the British Standard subject to Amendment No. 2. Certificates and marks will not be awarded after this date with respect to the British Standard not incorporating Amendment No. 2. They will be awarded with respect only to the amended British Standard. However, such certificates and marks not incorporating Amendment No. 2 may continue to apply for production until 2001-07-01.

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 to iv, the EN title page, pages 2 to 20, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

English version

Safety of household and similar electrical appliances Part 2: Particular requirements for portable electric heating tools and similar appliances

(includes amendments A1:1992 + A51:1993)
(IEC 335-2-45:1986, modified)

Sécurité des appareils électrodomestiques et
analogues
Deuxième partie. Règles particulières pour les
outils chauffants électroportatifs et appareils
analogues
(inclut les amendements A1:1992 + A51:1993)
(CEI 335-2-45:1986, modifiée)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2: Besondere Anforderungen für
ortsveränderliche Elektrowärmewerkzeuge
und ähnliche Geräte
(enthält Änderungen A1:1992 + A51:1993)
(IEC 335-2-45:1986, modifiziert)

This European Standard was approved by CENELEC on 12 June 1989. 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, Luxemburg, 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

Brief history

The proposal to endorse the first edition of IEC Publication 335-2-45, document CENELEC/TC 61 (SEC) 522, was circulated under the enquiry procedure in February 1987.

This proposal was discussed during the Brussels meeting in December 1987 when it was decided to submit a draft for EN 60335-2-45 to the voting procedure. This procedure started in December 1988.

The text of this draft was ratified by the CENELEC Technical Board on the 12th of June 1989.

Foreword

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

The following dates are applicable:

- date of announcement (doa) 1990-01-01
- date of latest publication (dop) 1990-07-01
- date of withdrawal of conflicting national standards (dow) 1993-07-01

For products which have complied with the relevant national standard before 1993-07-01, as shown by the manufacturer or by a Certification Body, this previous standard may continue to apply for production until 1998-07-01.

This document supplements or modifies the corresponding clauses of IEC 335-2-45:1986, so as to convert that standard into the European Standard EN 60335-2-45.

This standard has to be used in conjunction with EN 60335-1:1988, Safety of household and similar electrical appliances, Part 1: General requirements, including its Amendment 2:1988.

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 requirement, test specification or explanatory matter in Part 1 is to be adapted accordingly.

Subclauses which are in addition to those in IEC 335-1 are numbered starting with 101.

There are no special national conditions (snc) causing a deviation from this European Standard, other than those listed in Annex ZX of EN 60335-1.

National deviations from this European Standard are listed in Annex ZY and are in addition to those in EN 60335-1. The following print types are used:

- requirements proper: in roman type
- *test specifications:* in italic type
- explanatory matter: in smaller roman type

Foreword to Amendment A1

The proposal to endorse amendment 1:1990 to IEC 335-2-45:1986, document CLC/TC (SEC) 777, was circulated under the enquiry procedure in March 1990.

This proposal was discussed during the Brussels meeting in November 1991, when it was decided to submit a draft for an amendment to EN 60335-2-45 to the voting procedure. This draft was circulated as prAA in April 1992 and was ratified by CENELEC as amendment A1 on 9 December 1992.

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

The following dates are applicable:

- latest date of publication of an identical national standard (dop) 1993-10-01
- date of withdrawal of conflicting national standards (dow) 1995-10-01

For products which have complied with EN 60335-2-45:1990 before 1995-10-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-10-01.

EN 60335-2-45:1990, including this amendment, has to be used in conjunction with EN 60335-1:1988, including its amendments A2:1988, A5:1989, A6:1989, A51:1991, A52:1992, A53:1992 and A54:1992.

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

There are no national deviations from this amendment.

Other publication quoted in this amendment:

EN 60529:1991, *Degrees of protection provided by enclosures (IP code)*.

NOTE The UDC and descriptors of this amendment replace those of EN 60335-2-45:1990.

Foreword to Amendment A51

A proposal to amend EN 60335-2-45, document CLC/TC 61 (IT) 130, was discussed during the Pettenasco meeting in September 1992, when it was decided to submit a draft for an amendment to the voting procedure.

This draft was circulated as prAB in February 1993 and was ratified by CENELEC as amendment A51 on 6 July 1993.

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

The following dates are applicable:

- latest date of publication of
an identical national
standard (dop) 1994-07-01
- date of withdrawal of
conflicting national
standards (dow) 1996-07-01

For products which have complied with EN 60335-2-45:1990 including its amendment A1:1992 before 1996-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-07-01.

This amendment supplements or modifies the corresponding clauses of EN 60335-2-45:1990 and its amendment.

EN 60335-2-45:1990 including this amendment has to be used in conjunction with EN 60335-1:1988, including its amendments A2:1988, A5:1989, A6:1989, A51:1991, A52:1992, A53:1992, A54:1992 and A55:1993.

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

There are no national deviations from this amendment.

NOTE Amendment numbers commencing A1 refer to the endorsement of IEC amendments, while those commencing A51 originate in CENELEC.