

Specification for

Safety of household and similar electrical appliances

Part 2. Particular requirements

Section 2.47 Commercial electric boiling pans

The European Standard EN 60335-2-47 : 1990 has the status of a British Standard

Sécurité des appareils électrodomestiques et analogues
Partie 2. Règles particulières
Section 2.47 Marmites électriques à usage collectif

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke
Teil 2. Besondere Anforderungen
Abschnitt 2.47 Elektrische Kochkessel für den gewerblichen Gebrauch

UDC 64.06-83 : 641.542 : 614.8

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	Luxembourg
Denmark	Netherlands
Finland	Norway
France	Portugal
Germany	Spain
Greece	Sweden
Iceland	Switzerland
Ireland	United Kingdom

This British Standard, having been prepared under the direction of the Light Electrical Engineering Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 November 1992

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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

Amd. No.	Date	Text affected



Amendment No. 1
published and effective from 15 November 1992
to BS EN 60335-2-47 : 1992

Specification for safety of household and
similar electrical appliances
Part 2. Particular requirements
Section 2.47 Commercial electric boiling pans

NOTE. The English language version of European Standard
EN 60335-2-47 was implemented in the United Kingdom by the
publication of BS EN 60335-2-47 : 1992. This amendment implements
amendment A51 to EN 60335-2-47.

Revised text

AMD 7423
November 1992

National foreword

In paragraph 1, line 5, after '*pans*,' insert 'including amendment A51,'.

AMD 7423
November 1992

EN title page and foreword

Insert the attached EN title page (foreword on reverse).

AMD 7423
November 1992

Text of EN 60335-2-47

Amend the text of European Standard EN 60335-2-47 in accordance with the details
given on the attached pages.

UDC 64.06-83 : 641.542 : 614.8

Descriptors: Household electrical appliances, boiling pans, appliance for commercial use, safety requirements, protection against electric shock, fire protection, protection against mechanical hazard

Amendment A51 to the English version of EN 60335-2-47

Safety of household and similar electrical appliances Part 2: Particular requirements for commercial electric boiling pans

Sécurité des appareils électrodomestiques
et analogues
Deuxième partie: Règles particulières pour les
marmites électriques à usage collectif

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2: Besondere Anforderungen für
elektrische Kochkessel für den gewerblichen
Gebrauch

This amendment A51 modifies the European Standard EN 60335-2-47 : 1990. It was approved by CENELEC on 10 December 1990. 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.

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 60335-2-47, document CLC/TC 61 (SEC) 667, was circulated under the enquiry procedure in October 1988.

This proposal was discussed during the Stockholm meeting in November 1989, when it was decided to submit a draft for an amendment to the voting procedure. This procedure started in May 1990.

The text of this draft was ratified by CENELEC as amendment A51 on the 10th of December 1990.

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) 1991-07-01
- date of withdrawal of
conflicting national standards (dow) 1994-07-01

For products which have complied with EN 60335-2-47 : 1990 before 1994-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1999-07-01.

This document modifies the corresponding clauses of EN 60335-2-47 : 1990.

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.

2. Definitions

Add:

2.2.601 Heating unit denotes any part of the appliance which fulfils an independent cooking or heating function.

19. Abnormal operation

19.4 *Replace the last paragraph by:*

Contactors complying with the relevant IEC standard are not open-circuited or short-circuited, provided the appropriate standard covers the conditions which occur in the appliance. However, locking in the 'on' position of the main contacts of a contactor intended for switching on and off the heating element(s) in normal use is considered to be a fault condition, unless the appliance is provided with at least two sets of contacts connected in series. This condition is, for example, achieved by providing two contactors operating independently of each other or by providing one contactor having two independent armatures operating two independent sets of main contacts.

24. Components

Replace the text by:

This clause of Part 1 is applicable except as follows:

24.11 *Replacement:*

Thermal cut-outs shall provide all-pole disconnection from the supply.

Compliance is checked by inspection.

25. Supply connection and external flexible cables and cords

25.1 *Replace the requirements of the addition by:*

The terminals for permanent connection to fixed wiring may also be suitable for the type X attachment of a power supply cord. In this case the instruction sheet shall give full particulars of the power supply cord.

30. Resistance to heat, fire and tracking

Replace the text by:

This clause of Part 1 is applicable except as follows:

30.3 *Modification:*

The glow-wire test referred to in appendix K is made at a temperature of 650 °C.

30.4 *Addition:*

Appliances are regarded as appliances to be operated while unattended.

30.5 *Addition:*

Switching devices with moving contacts, other than those manually operated and those intended to operate only during abnormal operation, are considered as subjected to extra-severe duty conditions.

In addition, other parts of insulating materials are also considered as subjected to extra-severe duty conditions, unless they are so enclosed or located that pollution by condensation is unlikely to occur; in such a case, the requirements for severe duty conditions apply.



Amendment No. 2
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to BS EN 60335-2-47 : 1992

Specification for safety of household and
similar appliances
Part 2. Particular requirements
Section 2.47 Commercial electric boiling pans

NOTE. The English language version of European Standard
EN 60335-2-47 was implemented in the United Kingdom by the
publication of BS EN 60335-2-47 : 1992. This amendment implements
amendment A52 to EN 60335-2-47.

Revised text

AMD 7424
November 1992

National foreword (as amended by Amendment No. 1)

In paragraph 1, line 5, after '*pans*' delete 'including amendment A51' and substitute
'including amendments A51 and A52'.

AMD 7424
November 1992

EN title page and foreword

Insert the attached EN title page (foreword on reverse).

AMD 7424
November 1992

Text of EN 60335-2-47 (as amended by Amendment No. 1)

Amend the text of European Standard EN 60335-2-47 in accordance with the details
given on the attached pages.

UDC 64.06-83 : 641.542 : 614.8

Descriptors: Household electrical appliances, boiling pans, appliance for commercial use, safety requirements, protection against electric shock, fire protection, protection against mechanical hazard

Amendment A52 to the English version of EN 60335-2-47

Safety of household and similar electrical appliances Part 2: Particular requirements for commercial electric boiling pans

Sécurité des appareils électrodomestiques
et analogues
Deuxième partie: Règles particulières pour les
marmites électriques à usage collectif

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2: Besondere Anforderungen für
elektrische Kochkessel für den gewerblichen
Gebrauch

This amendment A52 modifies the European Standard EN 60335-2-47 : 1990. It was approved by CENELEC on 23 September 1991. 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.

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

ANNEX ZA (normative)

SWITCHES

Annex ZA to EN 60335-1 is applicable except as follows:

CLAUSE 15 – BREAKING CAPACITY

Subclause 15b

Modification:

Instead of the rate of operation specified, switches for frequent operation are tested at a rate of 1 operation per minute.

24. Components

Add:

24.1 Addition:

Switches intended to be adjusted frequently during the operation of the appliance, shall be switches for frequent operation.

On/off switches are not required to be switches for frequent operation if the appliance is provided with a separate regulating device.

24.11 Addition:

Appliances are regarded as appliances to be operated while unattended.

30. Resistance to heat, fire and tracking

Add:

30.3 Modification:

Instead of the requirement, the following applies:

Insulating parts retaining live parts in position and supplementary insulation of metal-encased Class II parts, shall be of material resistant to tracking.

Foreword

A proposal to amend EN 60335-2-47 was discussed during the Helsinki meeting in May 1990 when it was decided to submit a draft for an amendment to the voting procedure. This procedure started in April 1991.

The text of the draft was ratified by CENELEC as amendment A52 on 23 September 1991.

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) 1992-07-01
- date of withdrawal of conflicting national standards (dow) 1995-07-01

For products which have complied with EN 60335-2-47 : 1990, including its amendment A51 : 1991, before 1995-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-07-01.

This document supplements or modifies the corresponding clauses of EN 60335-2-47 : 1990, including its amendment A51 : 1991.

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.

AMD 7425

Amendment A1 : 1992 to EN 60335-2-47



Amendment No. 3

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to BS EN 60335-2-47 : 1992

Specification for safety of household and similar appliances

Part 2. Particular requirements

Section 2.47. Commercial electric boiling pans

NOTE. The English language version of European Standard EN 60335-2-47 was implemented in the United Kingdom by the publication of BS EN 60335-2-47 : 1992. This Amendment implements Amendment A1 to EN 60335-2-47.

Revised text

National foreword (as amended by Amendment Nos. 1 and 2)

In paragraph 1, line 5, after 'appliances' delete 'including amendments A51 and A52' and substitute 'including Amendments A51, A52 and A1'.

AMD 7425/November 1992

EN title page and foreword

Insert the attached EN title page
(foreword on reverse).

AMD 7425/November 1992

Text of EN 60335-2-47 (as amended by Amendment Nos. 1 and 2)

Amend the text of European Standard EN 60335-2-47 in accordance with the details given on the attached pages.

AMD 7425/November 1992
