

Specification for

Safety of household and similar electrical appliances —

Part 202: Particular requirements —

Section 202.5 Dishwashers

This European Standard EN 60335-2-5 has the status of a
British Standard

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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

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National foreword

This Section of BS 3456-202 has been prepared under the direction of the Light Electrical Engineering Standards Policy Committee and is the English language version of EN 60335-2-5, “*Safety of household and similar electrical appliances: Part 2: Particular requirements for dishwashers*” including amendment A1, amendment A2, amendment A3 and amendment A51, published by the European Committee for Electrotechnical Standardization (CENELEC). It was derived from the third edition (1984) of IEC Publication 335-2-5 as amended by Amendment No. 1:1988, Amendment No. 2:1989 and Amendment No. 3:1990. For the sake of clarity, the CENELEC common modifications have been incorporated at the appropriate places in the text of IEC 335-2-5:1984 and are marked by a vertical line at the left-hand margin. The relevant parts of the original IEC text have been quoted as “INFORMATION” directly after the text of the common modifications.

Appendices designated “normative” are part of the body of the standard. Appendices designated “informative” are given only for information.

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 Section supersedes BS 3456-102.5:1988, which is withdrawn 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 X.

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 of the back cover.)

The foreword of the EN makes reference to “date of withdrawal (dow) of conflicting national standards” as “1995-06-01”. In this case the relevant national standard is BS 3456-202.5 but the dow relates only to those parts of the British Standard subject to Amendment No. 3. Certificates and Marks will not be awarded after this date with respect to the British Standard not incorporating Amendment No. 3. 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. 3, may continue to apply for production until 2000-06-01.

Analogous provisions apply in respect of Amendment No. 5, for which the corresponding dates are 1997-07-01 (dow) and 2002-07-01.

The foreword of the EN makes reference to “date of withdrawal (dow) of conflicting national standards” as “1994-09-01”. In this case the relevant national standard is BS 3456-202.5 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 already awarded with respect to the British Standard not incorporating Amendment No. 2 may continue to apply for production until 1999-09-01.

With regard to Amendment No. 1:1992, AMD 6899:EN 60335-2-5 A1, the foreword of the EN makes reference to “date of withdrawal of conflicting national standards” as “1992-11-01”. This dow relates only to those parts of BS 3456-202.5 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 1997-11-01.

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 22, 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 dishwashers

(includes amendments A1:1990 + A2:1992 + A3:1992 + A51:1995)
(IEC 335-2-5:1984 3rd edition, modified)

Sécurité des appareils électrodomestiques
et analogues
Deuxième partie: Règles particulières pour
les lave-vaisselle
(inclut les amendements
A1:1990 + A2:1992 + A3:1992 + A51:1995)
(CEI 335-2-5:1984 3ème édition, modifiée)

Sicherheit elektrischer Geräte für den
Hausgebrauch und ähnliche Zwecke
Teil 2: Besondere Anforderungen für
Geschirrspülmaschinen
(enthält Änderungen
A1:1990 + A2:1992 + A3:1992 + A51:1995)
(IEC 335-2-5:1984 3. Ausgabe, modifiziert)

This European Standard was ratified by CENELEC on 6 December 1988.

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 CENELEC 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 third edition of IEC Publication 335-2-5, document CENELEC/TC 61 (SEC) 432, was circulated under the enquiry procedure in January 1985.

This proposal was discussed during the Zandvoort meeting in June 1986 when it was decided to submit a draft for EN 60335-2-5 to the voting procedure. This procedure started in February 1988.

The text of this draft was ratified by the CENELEC Technical Board on the 13th of September 1988.

A proposal for amending the standard was discussed during the Nice meeting in November 1986 when it was decided to submit a draft for an amendment to EN 60335-2-5 to the voting procedure. This procedure started in April 1988.

The text of this draft was ratified by the CENELEC Technical Board on the 6th of December 1988. It has been incorporated in EN 60335-2-5.

Foreword

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

The following dates are applicable:

- date of announcement (doa) 1989-03-01
- date of latest publication (dop) 1989-09-01
- date of withdrawal of conflicting national standards (dow) 1990-12-01

This European Standard replaces HD 257 S2.

This document supplements or modifies the corresponding clauses of IEC 335-2-5, third edition, so as to convert that standard into the European Standard EN 60335-2-5, which has to be used in conjunction with EN 60335-1:1988, *Safety of household and similar electrical appliances, Part 1: General requirements*.

Sub-clauses which are in addition to those in IEC 335-2-5 are numbered starting with 601. Annexes are lettered YA, YB, etc.

Special national conditions (snc) causing a deviation from this European Standard are listed in Annex ZX and are in addition to those in EN 60335-1.

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

NOTE Where reference is made to other harmonized standards, the latest edition of that standard is applicable.

The following print types referred to in the preface of IEC 335-2-5 are used:

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

In addition:

- *instructions for modification of the reference document:* in italic type

Brief history

The proposal to endorse amendment 1 to IEC Publication 335-2-5, documents CLC/TC 61 (SEC) 578 and 642, was circulated under the enquiry procedure in August 1987 and March 1988.

This proposal was discussed during the Neusiedl meeting in May 1988 and the Brussels meeting in November 1988 when it was decided to submit a draft for an amendment to EN 60335-2-5 to the voting procedure. This procedure started in June 1989.

A proposal for amending EN 60335-2-5 was discussed during the Brussels meeting in November 1988 when it was decided to submit a draft for an amendment to EN 60335-2-5 to the Unique Acceptance Procedure (UAP). This procedure started in July 1989.

The texts of both drafts were ratified by the CENELEC Technical Board on the 5th of March 1990 and are combined in this amendment.

Foreword to amendment A1

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

The following dates are applicable:

- date of announcement (doa) 1990-06-01
- date of latest publication (dop) 1990-12-01
- date of withdrawal of conflicting national standards (dow) 1992-11-01

For products which have complied with EN 60335-2-5:1989 before 1992-11-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1997-11-01.

This document supplements or modifies the corresponding clauses of amendment 1:1988 to IEC 335-2-5:1984, so as to convert it into amendment A1 to EN 60335-2-5:1989.

As a consequence of endorsing amendment 1 to IEC 335-2-5, the common modifications in EN 60335-2-5 concerning subclauses **23.4**, **30.2** and **30.3** are withdrawn. This procedure results in replacing these common modifications by similar IEC text.

EN 60335-2-5, including this amendment, has to be used in conjunction with EN 60335-1:1988, including its amendments A2:1988, A5:1989 and A6:1989.

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:
HD 243: *Graphical symbols for use on equipment* (see IEC 417).

Foreword to amendment A2

The proposal to endorse amendment No. 2:1989 to IEC 335-2-5:1984, document CLC/TC 61 (SEC) 727, was circulated under the enquiry procedure in March 1990.

This proposal was discussed during the Athens meeting in November 1990, when it was decided to submit a draft for an amendment to EN 60335-2-5 to the voting procedure.

This draft was circulated as prAD in November 1991 and was ratified by CENELEC as amendment A2 on the 24th of March 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) 1992-09-01
- date of withdrawal of conflicting national standards (dow) 1994-09-01

For products which have complied with EN 60335-2-5:1989, including its amendment A1:1990, before 1994-09-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1999-09-01.

This document supplements or modifies the corresponding clauses of amendment No. 2:1989 to IEC 335-5:1984, so as to convert it into amendment A2 to EN 60335-2-5:1989.

EN 60335-2-5, including this amendment, has to be used in conjunction with EN 60335-1:1988, including its amendments A2:1988, A5:1989, A6:1989 and A51:1991.

Appendices which are in addition to those in Part 1 are lettered AA, BB etc.

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

There are no national deviations from this amendment.

Other publications quoted in this amendment:
ISO 1817:1985 *Vulcanized rubbers — Determination of the effect of liquids*

NOTE The UDC and descriptors of this amendment replace the ones given for EN 60335-2-5:1989.

Foreword to amendment A3

The proposal to endorse amendment 3:1990 to IEC 335-2-5:1984, document CLC/TC 61 (SEC) 742, was circulated under the enquiry procedure in August 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 60335-2-5 to the voting procedure. This draft was circulated as prAF in February 1992.

A proposal to amend EN 60335-2-5:1989 was discussed during the Athens meeting in November 1990, when it was decided to submit a draft for an amendment to the unique acceptance procedure (UAP). This draft was circulated as prAE in November 1991.

Both drafts were combined and ratified by CENELEC as amendment A3 on the 15th of September 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) 1993-06-01
- date of withdrawal of conflicting national standards (dow) 1995-06-01

For products which have complied with EN 60335-2-5:1989, including its amendments A1:1990 and A2:1992, before 1995-06-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-06-01.