

BSI Standards Publication

Household and similar electrical appliances – Safety

Part 2-87: Particular requirements for electrical animal-stunning equipment

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Full document details: BS EN IEC 60335-2-87:2020+A1:2021

National foreword

This British Standard is the UK implementation of EN IEC 60335-2-87:2020+A1:2021. It is identical to IEC 60335-2-87:2016, incorporating amendment 1:2018. It supersedes BS EN IEC 60335-2-87:2020, which will be withdrawn on 2 May 2022.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. 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 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 UK participation in its preparation was entrusted to Technical Committee CPL/61/8, Farm equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Date	Text affected
30 September 2021	Implementation of IEC amendment 1:2018 with CENELEC endorsement A1:2021

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60335-2-87:2020+A1

September 2021

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Supersedes EN 60335-2-87:2002 and all of its amendments and corrigenda (if any)

English Version

Household and similar electrical appliances - Safety - Part 2-87: Particular requirements for electrical animal-stunning equipment (IEC 60335-2-87:2016 , modified)

Appareils électrodomestiques et analogues - Sécurité - Partie 2-87: Exigences particulières pour les appareils électriques d'insensibilisation des animaux (IEC 60335-2-87:2016 , modifiée)

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-87: Besondere Anforderungen für elektrische Tierbetäubungsgeräte (IEC 60335-2-87:2016 , modifiziert)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of document 61H/321/FDIS, future edition 3 of IEC 60335-2-87, prepared by SC 61H "Safety of electrically-operated farm appliances" of IEC/TC 61 "Safety of household and similar electrical appliances" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60335-2-87:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-09-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-12-16

This document supersedes EN 60335-2-87:2002 and all of its amendments and corrigenda (if any).

This standard is not linked to European legislation.

This standard shall be read in conjunction with IEC 60335-1:2010+A1:2013+A2:2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

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The text of the International Standard IEC 60335-2-87:2016 was approved by CENELEC as a European Standard without any modification.

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European foreword to amendment A1

This document (EN IEC 60331-2-87:2020/A1:2021) consists of the text of document IEC 60335-2-87:2016/A1:2018, prepared by IEC/TC 61 “Safety of household and similar electrical appliances”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-09-06
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2024-09-06

This standard is read in conjunction with EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019+A15:2021.

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The text of the International Standard IEC 60335-2-87:2016/A1:2018 was approved by CENELEC as a European Standard without any modification.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – SAFETY –

Part 2-87: Particular requirements for electrical animal stunning equipment

FOREWORD

1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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This part of International Standard IEC 60335 has been prepared by sub-committee 61H: Safety of electrically-operated farm appliances, of IEC technical committee 61: Safety of household and similar electrical appliances.

This third edition cancels and replaces the second edition published in 2002 including its Amendment 1 (2007) and its Amendment 2 (2012). This edition constitutes a technical revision.

The principal changes in this edition as compared with the second edition of IEC 60335-2-87 are as follows (minor changes are not listed):

- Warning sign ISO 7010-W012 has been introduced (7.1, 7.6, 7.12, 7.14).
- Reference to IEC 60068-2-32 has been replaced by reference to IEC 60068-2-31 (21.1).

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- Additional requirements for battery operated stunning have been transferred to Annex S (5.8.1, 7.1, 7.8, 7.12, 11.5, 16, 22.102, 25.5, 25.7, 25.20, 25.23, 25.101, 26.5).

The text of this standard is based on the following documents:

FDIS	Report on voting
61H/321/FDIS	61H/322/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the fifth edition (2010) of that standard.

NOTE 1 When “Part 1” is mentioned in this standard, it refers to IEC 60335-1.

This part 2 supplements or modifies the corresponding clauses in IEC 60335-1, so as to convert that publication into the IEC standard: Safety requirements for electrical animal stunning 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 in Part 1 is to be adapted accordingly.

NOTE 2 The following numbering system is used:

– subclauses, tables and figures that are numbered starting from 101 are additional to those in Part 1;

– unless notes are in a new subclause or involve notes in Part 1, they are numbered starting from 101, including those in a replaced clause or subclause;

– additional annexes are lettered AA, BB, etc.

NOTE 3 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 3. When a definition concerns an adjective, the adjective and the associated noun are also in bold.

A list of all parts of the IEC 60335 series, under the general title: *Household and similar electrical appliances – Safety*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

NOTE 4 The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests.

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