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**Gospodinjski in podobni električni aparati - Varnost - 2-87. del: Posebne zahteve za električno opremo za omamljanje živali - Dopolnilo A2**

Household and similar electrical appliances - Safety -- Part 2-87: Particular requirements for electrical animal-stunning equipment

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke -- Teil 2-87: Besondere Anforderungen für elektrische Tierbetäubungsgeräte

Appareils électrodomestiques et analogues - Sécurité -- Partie 2-87: Règles particulières pour les appareils électriques d'insensibilisation des animaux

[SIST EN 60335-2-87:2003/A2:2019](https://standards.iteh.ai/catalog/standards/sist/7a028b46-ac9d-409e-9b0d-01bc9932e6ba/sist-en-60335-2-87:2003-a2-2019)

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**Ta slovenski standard je istoveten z: EN 60335-2-87:2002/A2:2019**

**ICS:**

65.020.30

Živinoreja

Animal husbandry and  
breeding**SIST EN 60335-2-87:2003/A2:2019****en**

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EUROPEAN STANDARD

EN 60335-2-87:2002/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2019

ICS 65.060.99

English Version

## Household and similar electrical appliances - Safety - Part 2-87: Particular requirements for electrical animal-stunning equipment (IEC 60335-2-87:2002/A2:2012)

Appareils électrodomestiques et analogues - Sécurité -  
Partie 2-87: Règles particulières pour les appareils  
électriques d'insensibilisation des animaux  
(IEC 60335-2-87:2002/A2:2012)

Sicherheit elektrischer Geräte für den Hausgebrauch und  
ähnliche Zwecke - Teil 2-87: Besondere Anforderungen für  
elektrische Tierbetäubungsgeräte  
(IEC 60335-2-87:2002/A2:2012)

This amendment A2 modifies the European Standard EN 60335-2-87:2002; it was approved by CENELEC on 2012-11-29. 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 CEN-CENELEC Management Centre or to any CENELEC member.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

[SIST EN 60335-2-87:2003/A2:2019](https://standards.iteh.ai/catalog/standards/sist/7a028b46-ac9d-409e-9b0d-610c91e0ba4e/60335-2-87:2002/A2:2012)

[https://standards.iteh.ai/catalog/standards/sist/7a028b46-ac9d-409e-9b0d-](https://standards.iteh.ai/catalog/standards/sist/7a028b46-ac9d-409e-9b0d-610c91e0ba4e/60335-2-87:2002/A2:2012)

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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

EN 60335-2-87:2002/A2:2019 (E)

## European foreword

The text of document 61H/271/CDV, future edition 1 of IEC 60335-2-87:2002/A2, 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 60335-2-87:2002/A2:2019.

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) 2020-01-05
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-07-05

EN 60335-2-87:2002/A2:2019 is to be read in conjunction with EN 60335-1:2012 and its amendments, which is referred to in this text as "Part 1".

This amendment supplements or modifies the corresponding clauses of EN 60335-1:2012 including its amendments and EN IEC 60335-2-87:2002 + A1:2007.

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

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZA, which is an integral part of this document.

## Endorsement notice

The text of the International Standard IEC 60335-2-87:2002/A2:2012 was approved by CENELEC as a European Standard without any modification.

## Annex ZC (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

*In Annex ZC of EN 60335-2-87:2002, **replace** IEC 61558-2-4:1997 by:*

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61558-2-4	-	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V - Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers	EN 61558-2-4	2009

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[SIST EN 60335-2-87:2003/A2:2019](https://standards.iteh.ai/catalog/standards/sist/7a028b46-ac9d-409e-9b0d-0bbe99f3c6ba/sist-en-60335-2-87-2003-a2-2019)

<https://standards.iteh.ai/catalog/standards/sist/7a028b46-ac9d-409e-9b0d-0bbe99f3c6ba/sist-en-60335-2-87-2003-a2-2019>

EN 60335-2-87:2002/A2:2019 (E)

**Replace Annex ZZA in the part 1 by the following:****Annex ZZA**  
(informative)**Relationship between this European Standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered**

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Compliance with this Part 2 when used together with the Part 1 provides one means of conformity with the safety objectives.

**Table ZZA.1 – Correspondence between this European Standard and Annex I of Directive 2014/35/EU [2014 OJ L96]**

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks/ Notes
1 a)	Clauses 4, 7	None
1 b)	Clauses 4, 7	None
1 c)	Clauses 4, 7	None
2 a)	Clauses 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31	None
2 b)	Clauses 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31	None
2 c)	Clauses 6, 7, 11, 15, 17, 18, 19, 20, 21, 22, 24, 25, 30, 32	None
2 d)	Clauses 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31	None
3 a)	Clauses 6, 7, 11, 17, 18, 19, 20, 21, 22	None
3 b)	Clauses 7, 11, 15, 19, 22, 25, 32	None
3 c)	Clauses 6, 7, 9, 10, 11, 14, 17, 18, 19, 21, 22	None

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.



IEC 60335-2-87

Edition 3.0 2018-02

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



AMENDMENT 1  
AMENDEMENT 1

Household and similar electrical appliances – Safety –  
Part 2-87: Particular requirements for electrical animal stunning equipment

Appareils électrodomestiques et analogues – Sécurité –  
Partie 2-87: Exigences particulières pour les appareils électriques  
d'insensibilisation des animaux

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## FOREWORD

This amendment has been prepared by subcommittee 61H: Safety of electrically-operated farm appliances, of IEC technical committee 61: Safety of household and similar electrical appliances.

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

FDIS	Report on voting
61H/362/FDIS	61H/364/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website 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.

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**IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.**

NOTE 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.

It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 12 months or later than 36 months from the date of publication.

## INTRODUCTION

*Delete the last two paragraphs.*