

SLOVENSKI STANDARD
SIST FprEN 62368-3:2017/kprAA:2018
01-julij-2018

**Oprema za avdio/video, informacijsko in komunikacijsko tehnologijo - 3. del:
Varnostni vidiki za DC prenos moči skozi komunikacijske kable ali vrata**

Audio/video, information and communication technology equipment - Part 3: Safety aspects for DC power transfer through communication cables and ports

Einrichtungen für Audio/Video, Informations- und Kommunikationstechnik - Sicherheit - Teil 3: Gleichstrom-Leistungsübertragung über Kommunikationskabel der Informationstechnik

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Équipements des technologies de l'audio/vidéo, de l'information et de la communication - Partie 3: Aspects liés à la sécurité relatifs au transfert de puissance en courant continu au moyen de câbles et d'accès de communication

Ta slovenski standard je istoveten z: FprEN 62368-3:2017/prAA:2018

ICS:

33.160.01	Avdio, video in avdiovizualni sistemi na splošno	Audio, video and audiovisual systems in general
35.020	Informacijska tehnika in tehnologija na splošno	Information technology (IT) in general

SIST FprEN 62368-3:2017/kprAA:2018 en,fr,de

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[SIST FprEN 62368-3:2017/kprAA:2018](https://standards.iteh.ai/catalog/standards/sist/d7636b7d-0472-4014-b157-ef8c3f6eba93/sist-fpren-62368-3-2017-kpraa-2018)

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
FprEN 62368-3:2017

prAA

April 2018

ICS 33.160.01; 35.020

English Version

Audio/video, information and communication technology equipment - Part 3: Safety aspects for DC power transfer through communication cables and ports

Équipements des technologies de l'audio/vidéo, de
l'information et de la communication - Partie 3: Aspects liés
à la sécurité relatifs au transfert de puissance en courant
continu au moyen de câbles et d'accès de communication

Einrichtungen für Audio/Video, Informations- und
Kommunikationstechnik - Sicherheit - Teil 3: Gleichstrom-
Leistungsübertragung über Kommunikationskabel der
Informationstechnik

This draft amendment prAA, if approved, will modify the European Standard FprEN 62368-3:2017; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2018-07-13.

It has been drawn up by CLC/TC 108X.

If this draft becomes an amendment, 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.

This draft amendment was established by CENELEC 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

FprEN 62368-3:2017/FprAA:2018 (E)

1 European foreword

2 This draft amendment to the draft European Standard FprEN 62368-3:2017 was prepared by
3 CLC/TC 108X "Safety of electronic equipment within the fields of Audio/Video, Information Technology
4 and Communication Technology". It contains common modifications to 108/695/FDIS (future IEC 62368-
5 3, Ed. 1) and is submitted to the Enquiry.

6 If approved, this draft amendment will be merged together with FprEN 62368-3:2017 and both drafts will
7 be published as one single document, i.e. EN 62368-3:201X (based on IEC 62368-3:2017, modified), with
8 the implementation dates of this FprAA.

9 The following dates are proposed:

- latest date by which the existence of (doa) dor + 6 months
this document has to be announced at
national level
- latest date by which this document has to be (dop) dor + 12 months
implemented at national level by publication
of an identical national standard or by
endorsement
- latest date by which the national standards (dow) dor + 36 months (to be confirmed or
conflicting with this document have to be modified when voting)
withdrawn

10 Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-
11 3:2017 are prefixed "Z". [https://standards.iteh.ai/catalog/standards/sist/d7636b7d-0472-4014-](https://standards.iteh.ai/catalog/standards/sist/d7636b7d-0472-4014-b157-ef8c3f6eba93/sist-fpren-62368-3-2017-kpraa-2018)

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

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

16 **1 Scope**

17 *Add the following sentence at the end of the scope:*

18 The objective of this standard is to reduce the likelihood of fire and electric shock hazards arising under
19 foreseeable usage conditions.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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

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

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34 NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here:
35 www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62368-1	2014	Audio/video, information and communication technology equipment – Part 1: Safety requirements	EN 62368-1	2014 (mod)
IEC Guide 104	-	The preparation of safety publications and the use of basic safety publications and group safety publications	-	-
ISO/IEC Guide 51	-	Safety aspects – Guidelines for their inclusion in standards	-	-

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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 standardisation request relating to harmonised 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 harmonisation 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.

**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. General conditions	(standards.iteh.ai) SIST FprEN 62368-3:2017/kprAA:2018	
a) the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document;		Covered in EN 62368-1
(b) the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected;		Covered in EN 62368-1
c) the electrical equipment shall be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained.		Covered in EN62368-1
3. Protection against hazards arising from the electrical		

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equipment		
a) Persons and domestic animals are adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact;	5.2 Electrical-caused injury, electrical sources and safeguards 6.3 Electrically caused injury	
b) temperatures, arcs or radiation which would cause a danger, are not produced;		Covered in EN 62368-1
c) Persons, domestic animals and property are protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;	5.3 Electrical-caused fire, power sources and safeguards 6.4 Electrically caused fire	
d) the insulation is suitable for foreseeable conditions.		Covered in EN 62368-1
3. Protection against hazards which may be caused by external influences on the electrical equipment		
a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered;		Covered in EN 62368-1
b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered		Covered in EN 62368-1
c) does not endanger persons, domestic animals and property in foreseeable conditions of overload		Covered in EN 62368-1

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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.

Annex ZZB
(informative)

Relationship between this European standard and the essential requirements of Directive 2014/53/EU [2014 OJ L153] aimed to be covered

This European Standard has been prepared under a Commission's standardization request as regards radio equipment in support of Directive 2014/53/EU, M/536 / C(2015) 5376 final, to provide one voluntary means of conforming to essential requirements of Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC [2014 OJ L153].

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 ZZB.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive, and associated EFTA regulations.

Table ZZB.1 – Correspondence between this European standard and Article 3 of Directive 2014/53/EU [2014 OJ L153]

Essential Requirements of Directive 2014/53/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
Article 3(1)(a) As in Annex I (1)(a) of Directive 2014/35/EU the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document;		Covered in EN 62368-1
Article 3(1)(a) As in Annex I (1)(b) of Directive 2014/35/EU the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected;		Covered in EN 62368-1
Article 3(1)(a) As in Annex I (1)(c) of Directive 2014/35/EU		Covered in EN62368-1