

SLOVENSKI STANDARD
SIST EN IEC 60320-1:2022**01-maj-2022****Nadomešča:****SIST EN 60320-1:2015****SIST EN 60320-1:2015/A1:2021****SIST EN 60320-1:2015/AC:2016****SIST EN 60320-1:2015/AC:2019**

Aparatne spojke za gospodinjstva in podobne splošne namene - 1. del: Splošne zahteve (IEC 60320-1:2021)**ITeh STANDARD**

Appliance couplers for household and similar general purposes - Part 1: General requirements (IEC 60320-1:2021)

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Gerätesteckvorrichtungen für den Hausgebrauch und ähnliche allgemeine Zwecke –Teil 1: Allgemeine Anforderungen (IEC 60320-1:2021)

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Connecteurs pour usages domestiques et usages généraux analogues - Partie 1: Exigences générales (IEC 60320-1:2021)

Ta slovenski standard je istoveten z: EN IEC 60320-1:2021**ICS:**

29.120.30 Vtiči, vtičnice, spojke Plugs, socket-outlets, couplers

SIST EN IEC 60320-1:2022 en,fr,de

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EUROPEAN STANDARD

EN IEC 60320-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2021

ICS 29.120.30

Supersedes EN 60320-1:2015 and all of its amendments
and corrigenda (if any)

English Version

Appliance couplers for household and similar general purposes - Part 1: General requirements (IEC 60320-1:2021)

Connecteurs pour usages domestiques et usages généraux
analogues - Partie 1: Exigences générales
(IEC 60320-1:2021)

Gerätesteckvorrichtungen für den Hausgebrauch und
ähnliche allgemeine Zwecke - Teil 1: Allgemeine
Anforderungen
(IEC 60320-1:2021)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

EN IEC 60320-1:2021 (E)**European foreword**

The text of document 23G/464/FDIS, future edition 4 of IEC 60320-1, prepared by SC 23G "Appliance couplers" of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60320-1:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-05-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-08-31 document have to be withdrawn

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

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

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

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The text of the International Standard IEC 60320-1:2021 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60320-2-1	NOTE	Harmonized as EN IEC 60320-2-1
IEC 60320-2-3	NOTE	Harmonized as EN IEC 60320-2-3
IEC 60320-2-4	NOTE	Harmonized as EN IEC 60320-2-4
IEC 60364-4-44	NOTE	Harmonized as HD 60364-4-444
IEC 61140	NOTE	Harmonized as EN 61140
ISO 1456	NOTE	Harmonized as EN ISO 1456
ISO 2081	NOTE	Harmonized as EN ISO 2081

Annex ZA (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 Where 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-31	-	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens	EN 60068-2-31	2008
IEC 60068-2-60	-	Environmental testing - Part 2-60: Tests - Test Ke: Flowing mixed gas corrosion test	EN 60068-2-60	2015
IEC 60068-2-75	-	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	2014
IEC 60112	2020	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN IEC 60112	2020
IEC 60227	series	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V -	EN 50525	series
IEC 60245	series	Rubber insulated cables - Rated voltages up to and including 450/750 V	EN 50525	series
IEC 60320-3 +A1	2014 2018	Appliance couplers for household and similar general purposes - Part 3: Standard sheets and gauges	EN 60320-3 + A1	2014 2021
IEC 60417	-	Graphical symbols for use on equipment. Index, survey and compilation of the single sheets.	-	-
IEC 60664-1	2020	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN IEC 60664-1	2020
IEC 60695-2-11	2014	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2014
IEC 60695-10-2	2014	Fire hazard testing - Part 10-2: Abnormal heat - Ball pressure test method	EN 60695-10-2	2014
IEC 60730-2-11	2019	Automatic electrical controls for household and similar use - Part 2-11: Particular requirements for energy regulators	EN IEC 60730-2-11	2020

EN IEC 60320-1:2021 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60999-1	1999	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units - Part 1: General requirements and particular requirements for clamping units for conductors from 0,2 mm ² up to 35 mm ² (included)	EN 60999-1	2000
IEC 61058	series	Switches for appliances	EN 61058	series

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Annex ZZ (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 ZZ.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 ZZ.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)	8	
(1)(b)	4, 9, 12, 20	
(1)(c)	See below detailed clauses	
(2)(a)	4, 8, 6, 10, 11, 12, 13, 14, 15, 20, 21, 22, 23, 26, 27 9 in combination with EN 60320-3	https://standards.iteh.ai/catalog/standards/sist/c6f597ab-2c56-4e9c-9b10-683edd0666e5/sist-en-iec-60320-1-2022
(2)(b)	17, 19, 20, 21, 25, 27	
(2)(c)	N.A.	
(2)(d)	10, 14, 15, 20, 22, 26	
(3)(a)	22, 23	
(3)(b)	14, 22, 24, 28	
(3)(c)	21, 22	

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.

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NORME INTERNATIONALE

iTeh STANDARD

Appliance couplers for household and similar general purposes –
Part 1: General requirements

(standards.iteh.ai)

Connecteurs pour usages domestiques et usages généraux analogues –
Partie 1: Exigences générales

SIST EN IEC 60320-1:2022

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**APPLIANCE COUPLERS FOR HOUSEHOLD
AND SIMILAR GENERAL PURPOSES –****Part 1: General requirements**

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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IEC 60320-1 has been prepared by subcommittee 23G: Appliance couplers, of IEC technical committee 23: Electrical accessories. It is an International Standard.

This fourth edition cancels and replaces the third edition published in 2015 and Amendment 1:2018. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) introduction of necessary tolerances throughout this document;
- b) the heating test from edition 2 is reintroduced in 18.2;
- c) temperature rise added for plug connectors in Clause 21;
- d) change for better readability in 23.3;
- e) updated lateral pull test in 23.6 for connectors/plug connectors with separate front parts;