

Nástrčky a prívodky na spotrebiče pre domácnosť a na podobné všeobecné účely. Časť 1: Všeobecné požiadavky.

STN EN 60320-1

35 4508

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

Táto norma obsahuje anglickú verziu európskej normy. This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/16

Obsahuje: EN 60320-1:2015, IEC 60320-1:2015

Oznámením tejto normy sa od 29.07.2018 ruší STN EN 60320-1 (35 4508) z februára 2003 STN EN 60320-1: 2016

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Appliance couplers for household and similar general purposes Part 1: General requirements (IEC 60320-1:2015)

Connecteurs pour usages domestiques et usages généraux analogues - Partie 1: Exigences générales (IEC 60320-1:2015) Gerätesteckvorrichtungen für den Hausgebrauch und ähnliche allgemeine Zwecke -Teil 1: Allgemeine Anforderungen (IEC 60320-1:2015)

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European foreword

The text of document 23G/345/FDIS, future edition 3 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 60320-1:2015.

The following dates are fixed:

150 00004 4 44

- latest date by which the document has to be implemented at (dop) 2016-04-29 national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2018-07-29 the document have to be withdrawn

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Endorsement notice

The text of the International Standard IEC 60320-1:2015 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 60364-4-44	NOTE	Harmonized as HD 60364-4-44.
IEC 61140	NOTE	Harmonized as EN 61140.
ISO 1466	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, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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.

Publication IEC 60068-2-31	<u>Year</u> -	Title EN/HD Environmental testing Part 2-31: Tests -EN 60068-2-31 Test Ec: Rough handling shocks, primarily	<u>Year</u> -
IEC 60068-2-60	-	for equipment-type specimens Environmental testing Part 2-60: Tests -EN 60068-2-60 1) Test Ke: Flowing mixed gas corrosion test	-
IEC 60068-2-75	-	Environmental testing - Part 2-75: Tests -EN 60068-2-75 Test Eh: Hammer tests	-
IEC 60112	-	Method for the determination of the proofEN 60112 and the comparative tracking indices of solid insulating materials	-
IEC 60227	series	Polyvinyl chloride insulated cables of rated- voltages up to and including 450/750 V	series
IEC 60245	series	Rubber insulated cables - Rated voltages- up to and including 450/750 V	series
IEC 60320	series	Appliance couplers for household and EN 60320 similar general purposes	series
IEC 60320-3	2014	Appliance couplers for household andEN 60320-3 similar general purposes - Part 3: Standard sheets and gauges	2014
IEC 60417	-	Graphical symbols for use on equipment Index, survey and compilation of the single sheets.	-
IEC 60664-1	2007	Insulation coordination for equipmentEN 60664-1 within low-voltage systems Part 1: Principles, requirements and tests	2007
IEC 60695-2-10	2000	Fire hazard testing Part 2-10:EN 60695-2-10 Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	2001
IEC 60695-2-11	2000	Fire hazard testing Part 2-11:EN 60695-2-11 Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	2001

¹⁾ To be published

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IEC 60695-2-12	2000	Fire hazard testing Part 2-12:EN 60695-2-12 Glowing/hot-wire based test methods - Glow-wire flammability test method for materials	2001	
IEC 60695-2-13	2000	Fire hazard testing Part 2-13:EN 60695-2-13 Glowing/hot-wire based test methods - Glow-wire ignitability test method for materials	2001	
IEC 60695-10-2	-	Fire hazard testing Part 10-2: AbnormalEN 60695-10-2 heat - Ball pressure test method	-	
IEC 60730-2-11	-	Automatic electrical controls for householdEN 60730-2-11 and similar use Part 2-11: Particular requirements for energy regulators	-	
IEC 60999-1	-	Connecting devices - Electrical copperEN 60999-1 - 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 mm² up to 35 mm² (included)		
IEC 61058	series	Switches for appliances EN 61058	series	



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Edition 3.0 2015-06

INTERNATIONAL STANDARD

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





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IEC Central Office Tel.: +41 22 919 02 11 3, rue de Varembé Fax: +41 22 919 03 00

CH-1211 Geneva 20 info@iec.ch Switzerland www.iec.ch

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Edition 3.0 2015-06

INTERNATIONAL STANDARD

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

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

This third edition cancels and replaces the second edition published in 2001 and Amendment 1:2007. This edition constitutes a technical revision.

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

- a) Standard sheets moved from IEC 60320-1 to IEC 60320-3.
- b) Clarification of requirements for non-standardized appliance couplers.

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

FDIS	Report on voting
23G/345/FDIS	23G/346/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.

A list of all the parts in the IEC 60320 series, under the general title *Appliance couplers for household and similar general purposes*, can be found on the IEC website.

Part 1 is to be used in conjunction with the following parts of the IEC 60320 series, if applicable.

IEC 60320-2-1, Appliance couplers for household and similar general purposes – Part 2-1: Sewing machine couplers

IEC 60320-2-3, Appliance coupler for household and similar general purposes – Part 2-3: Appliance coupler with a degree of protection higher than IPX0

IEC 60320-2-4, Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement

IEC 60320-3, Appliance couplers for household and similar general purposes – Part 3: Standard sheets and gauges

NOTE If these standards are referring to another edition of IEC 60320-1, that edition is applicable.

The committee has decided that the contents of this 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.

A bilingual version of this publication may be issued at a later date.

APPLIANCE COUPLERS FOR HOUSEHOLD AND SIMILAR GENERAL PURPOSES –

Part 1: General requirements

1 Scope

This part of IEC 60320 sets the general requirements for appliance couplers for two poles and two poles with earth contact and for the connection of electrical devices for household and similar onto the mains supply.

This part of IEC 60320 is also valid for appliance inlets/appliance outlets integrated or incorporated in appliances.

The rated voltage does not exceed 250 V (a.c.) and the rated current does not exceed 16 A.

Appliance couplers complying with this part of IEC 60320 are suitable for normal use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of -5 °C.

Appliance couplers are not suitable for

- use in place of plug and socket-outlet systems according to IEC 60884-1.
- use in place of devices for connecting luminaires (DCLs) according to IEC 61995 or luminaire supporting couplers (LSCs).

NOTE Requirements for d.c. are under consideration.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60068-2-31, Environmental testing – Part 2-31: Tests – Test Ec: Rough handling shocks, primarily for equipment-type specimens

IEC 60068-2-60, Environmental testing – Part 2-60: Tests – Test Ke: Flowing mixed gas corrosion test

IEC 60068-2-75, Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests

IEC 60112, Method for the determination of the proof and the comparative tracking indices of solid insulating materials

IEC 60227 (all parts), Polyvinyl chloride insulated cables of rated voltages up to and including $450/750\ V$

IEC 60245 (all parts), Rubber insulated cables – Rated voltages up to and including $450/750 \ V$

IEC 60320 (all parts), Appliance couplers for household and similar general purposes

IEC 60320-3:2014, Appliance couplers for household and similar general purposes – Part 3: Standard sheets and gauges

IEC 60417, *Graphical symbols for use on equipment* (available from: http://www.graphical-symbols.info/equipment)

IEC 60664-1:2007, Insulation coordination for equipment within low voltage systems – Part 1: Principles, requirements and tests

IEC 60695-2-10:2000, Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure

IEC 60695-2-11:2000, Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products (GWEPT)

IEC 60695-2-12:2000, Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials

IEC 60695-2-13:2000, Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials

IEC 60695-10-2, Fire hazard testing - Part 10: Abnormal heat - Ball pressure test method

IEC 60730-2-11, Automatic electrical controls for household and similar use – Part 2-11: Particular requirements for energy regulators

IEC 60999-1, 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 mm² up to 35 mm² (included)

IEC 61032, Protection of persons and equipment by enclosures – Probes for verification

IEC 61058 (all parts), Switches for appliances

koniec náhľadu – text ďalej pokračuje v platenej verzii STN