

**Appliance couplers for household and similar general purposes - Part 1: General requirements
(IEC 60320-1:2015 + IEC 60320-1:2015/A1:2018)**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 60320-1:2015 +A1:2021 sisaldab Euroopa standardi EN 60320-1:2015 ja selle muudatuse A1:2021 ja paranduste AC:2016 ja AC:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 60320-1:2015 +A1:2021 consists of the English text of the European standard EN 60320-1:2015 and its amendment A1:2021 and its corrigendae AC:2016 and AC:2019.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 18.09.2015, muudatus A1 19.03.2021.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation. Date of Availability of the European standard is 18.09.2015, for A1 19.03.2021.
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**Appliance couplers for household and similar general purposes -
Part 1: General requirements
(IEC 60320-1:2015 + IEC 60320-1:2015/A1:2018)**

Connecteurs pour usages domestiques et usages généraux
analogues - Partie 1: Exigences générales
(IEC 60320-1:2015 + IEC 60320-1:2015/A1:2018)

Gerätesteckvorrichtungen für den Hausgebrauch und
ähnliche allgemeine Zwecke -Teil 1: Allgemeine
Anforderungen
(IEC 60320-1:2015 + IEC 60320-1:2015/A1:2018)

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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:

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- latest date by which the national standards conflicting with (dow) 2018-07-29
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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.

A1 Amendment A1 European foreword

The text of document 23G/405/FDIS, future IEC 60320-1:2015/A1, 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/A1:2021.

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CONSOLIDATED VERSION

VERSION CONSOLIDÉE



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

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



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CONSOLIDATED VERSION

VERSION CONSOLIDÉE



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

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

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

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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.

This bilingual version (2016-11) corresponds to the monolingual English version, published in 2015-06.

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.

The French version of this standard has not been voted upon.

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.

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The contents of the corrigenda of January 2016 and May 2019 have been included in this copy.

A1 AMENDMENT A1 FOREWORD

This amendment has been prepared by subcommittee 23G: Appliance couplers, of IEC technical committee 23: Electrical accessories.

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

FDIS	Report on voting
23G/405/FDIS	23G/409/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.

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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*

Ⓐ₁ IEC 60695-10-2, *Fire hazard testing – Part 10-2: Abnormal heat – Ball pressure test method* Ⓐ₁

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*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

appliance coupler

means enabling the connection and disconnection of an appliance or equipment to the supply

SEE: Figure 1.