

SLOVENSKI STANDARD SIST EN 60320-2-3:2000

01-april-2000

Appliances couplers for household and similar general purposes - Part 2-3: Appliance couplers with a degree of protection higher than IPX0 (IEC 60320-2-3:1998)

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

Gerätesteckvorrichtungen für den Hausgebrauch und ähnliche allgemeine Zwecke -- Teil 2-3: Gerätesteckvorrichtungen mit einem Schutzgrad höher als IPXO (standards.iteh.ai)

Connecteurs pour usages domestiques et usages généraux analogues -- Partie 2-3: Connecteurs avec degré de protection supérieur à IPXO_{7ff-490f-450e-b651-}

c99f49910442/sist-en-60320-2-3-2000

Ta slovenski standard je istoveten z: EN 60320-2-3:1998

ICS:

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

couplers

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 60320-2-3

November 1998

ICS 29.120.30

Descriptors: Appliance couplers, household appliances, connectors, reinforced protection, requirements, dimension, construction,

test

English version

Appliance coupler for household and similar general purposes

Part 2-3: Appliance coupler with a degree of protection higher than IPX0

(IEC 60320-2-3:1998)

Connecteurs pour usages domestiques et usages généraux analogues
Partie 2-3: Connecteurs avec degré de protection supérieur à IPXO (CEI 60320-2-3:1998) ETANDARD

Gerätesteckvorrichtungen für den Hausgebrauch und ähnliche allgemeine Zwecke

Teil 2-3: Gerätesteckvorrichtungen mit STANDARD Peinem Schutzgrad höher als IPX0 (standards.ite (IEC 60320-2-3:1998)

<u>SIST EN 60320-2-3:2000</u> https://standards.iteh.ai/catalog/standards/sist/940077ff-490f-450e-b651c99f49910442/sist-en-60320-2-3-2000

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard 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 Central Secretariat has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Foreword

The text of document 23G/185/FDIS, future edition 1 of IEC 60320-2-3, prepared by SC 23G, Appliance couplers, of IEC TC 23, Electrical accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60320-2-3 on 1998-10-01.

The following dates were fixed:

 latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement

(dop) 1999-07-01

 latest date by which the national standards conflicting with the EN have to be withdrawn

(dow) 2001-07-01

This part 2 is to be used in conjunction with EN 60320-1. It was established on the basis of the 1996 edition of that part 1 and its amendments 1 (1996) and 2 (1998).

This part 2 supplements or modifies the corresponding clauses of EN 60320-1.

Where a particular subclause of part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. Where this part 2 states "addition", "amendment" or "replacement", the relevant text of part 1 is to be adapted accordingly.

Subclauses which are additional to those in part 1 are numbered starting from 101.

Annexes designated "normative" are part of the body of the standard. Annexes designated informative are given for information only e-b651-In this standard, annex ZA is normative and annex A-is informative. Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60320-2-3:1998 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

Addition:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60320-1 (mod)	1994	Appliance couplers for household and similar general purposes Part 1: General requirements	EN 60320-1	1996
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 1993

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NORME INTERNATIONALE INTERNATIONAL STANDARD

CEI IEC 60320-2-3

> Première édition First edition 1998-09

Connecteurs pour usages domestiques et usages généraux analogues –

Partie 2-3:

Connecteurs avec degré de protection supérieur à IPXO PREVIEW

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Appliance coupler for household and similar https://generalapurposes/sis/940077ff-490f-450e-b651-

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Part 2-3:

Appliance coupler with a degree of protection higher than IPX0

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

APPLIANCE COUPLERS FOR HOUSEHOLD AND SIMILAR GENERAL PURPOSES –

Part 2-3: Appliance couplers with a degree of protection higher than IPX0

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60320-2-3 has been prepared by subcommittee 23G: Appliance couplers, of IEC technical committee 23: Electrical accessories.

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

FDIS	Report on voting	
23G/185/FDIS	23G/188/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 part 2 is to be used in conjunction with IEC 60320-1: Appliance couplers for household and similar general purposes – Part 1: General requirements. It was established on the basis of the first edition of that standard (1994) and its amendments 1 (1995) and 2 (1996).

The clauses of this standard supplement or modify the corresponding clauses in IEC 60320-1.

When a particular subclause of part 1 is not mentioned in this part 2, the subclause of IEC 60320-1 applies as far as is reasonable. Where this standard states "addition", "amendment" or "replacement", the relevant requirement, test specification or explanatory matter in IEC 60320-1 is to be adapted accordingly.

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Subclauses which are additional to those in part 1 are numbered starting from 101.

Annex A is for information only.

In this particular standard the following print types are used:

requirements: in roman type;

test specifications: in italic type;

- explanatory matter: in smaller roman type.

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APPLIANCE COUPLERS FOR HOUSEHOLD AND SIMILAR GENERAL PURPOSES –

Part 2-3: Appliance couplers with a degree of protection higher than IPX0

1 Scope

This clause of IEC 60320-1 applies amended as follows:

This standard applies to two-pole non-reversible appliance couplers for cold conditions for a.c. only, with a degree of protection against ingress of water higher than IPX0, with a rated voltage not exceeding 250 V and a rated current not exceeding 10 A for a 50 Hz or 60 Hz supply.

They are intended for the connection of the supply cord to portable electrical appliances of class II for household, commercial and light industrial use.

NOTE 1 - This note of IEC 60320-1 applies.

NOTE 2 - This note of IEC 60320-1 applies.

NOTE 3 - This note of IEC 60320-1 applies.

NOTE 4 – This note of IEC 60320-1 does not apply. A R D PREVIEW

NOTE 5 - This note of IEC 60320-1 applies.

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Additional notes:

NOTE 6 – IEC 60529 specifies the degree of protection against the ingress of water (IP code).

NOTE 7 – IEC 60536 specifies the class of equipment and ards/sist/940077ff-490f-450e-b651-c99f49910442/sist-en-60320-2-3-2000

2 Normative references

This clause of IEC 60320-1 applies with the following additions:

IEC 60320-1:1994, Appliance couplers for household and similar general purposes – Part 1: General requirements

IEC 60529:1989, Degrees of protection provided by enclosures (IP code)

3 Definitions

This clause of IEC 60320-1 applies with the following additions:

3.101

plug connector

appliance inlet intended to be attached by a cord to equipment

3.102

accessible surface of an accessory

surface of an accessory that can be touched by means of the test finger shown in figure 10 of IEC 60320-1, when the accessory is assembled as in normal use and in the following conditions:

 a) for connectors: without the complementary accessory in engagement but with the cover in the open position; b) for plug connectors and appliance inlets: with the complementary accessory in the most unfavourable degree of engagement but such that electrical contact is made between the contacts (pins and tubes).

3.103

cover

part that is accessible when the accessory is in normal use and removable only with the use of a tool, but which does not require the use of a tool to open it

3.104

type test sample

sample consisting of one or more similar specimens submitted for the purpose of a type test.

4 General requirements

This clause of IEC 60320-1 applies.

5 General notes on tests

This clause of IEC 60320-1 applies amended as follows:

5.1 This subclause of IEC 60320-1 applies.

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5.2 Replacement:

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Unless otherwise specified, the specimens are tested as delivered and under normal conditions of use, at an ambient temperature of $20\%C \pm 6\%C$; they are tested with a.c. at 50 Hz or 60 Hz.

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The specimens used for the tests shall be substantially identical to normal production items in respect of all details which may affect the test results.

Non-rewirable accessories shall be submitted with a cord at least 1 m long. The cord used for testing rewirable accessories shall be a sheathed circular flexible cord complying with 60227 IEC 53 unless otherwise specified in a particular clause.

- **5.3** This subclause of IEC 60320-1 does not apply.
- **5.4** This subclause of IEC 60320-1 does not apply.

5.5 Replacement:

A total sample comprising 18 specimens, of any one type, shall be submitted to inspection and tests as given in the following table:

Test		Number of specimens	Order of tests (clause and subclause references)
Visual inspection and manual examination		3	7, 8, 9, 10, 12, 13, 24.1, 25, 26, 28
2	General tests	3	14 (except 14.101), 15
3	General tests	3	22 (except 22.4), 16, 17, 19, 20, 21
4	Flexing test	3	22.4
5	Material test	3	23, 24.2, 14.101, 15.3
6	Material test	3	24.2, 27