

SLOVENSKI STANDARD
SIST EN 60320-2-4:2007/A1:2010
01-februar-2010

Aparatne spojke za gospodinjstva in podobne splošne namene - 2-4. del: Aparatne spojke, izdelane v odvisnosti od mase aparata (IEC 60320-2-4:2005/A1:2009)

Appliance couplers for household and similar general purposes - Part 2-4: Appliance couplers dependent on appliance weight for engagement (IEC 60320-2-4:2005/A1:2009)

Gerätesteckvorrichtungen für den Hausgebrauch und ähnliche allgemeine Zwecke - Teil 2-4: Gerätesteckvorrichtungen mit vom Gerätegewicht abhängiger Kupplung (IEC 60320-2-4:2005/A1:2009)

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Connecteurs pour usages domestiques et usages généraux analogues - Partie 2-4: Connecteurs à connexion par gravité (CEI 60320-2-4:2005/A1:2009)

<https://standards.iteh.ai/catalog/standards/sist/0c5c0040-87a0-4500-80dc-0a91e53f6341/sist-en-60320-2-4-2007-a1-2010>

Ta slovenski standard je istoveten z: EN 60320-2-4:2006/A1:2009

ICS:

29.120.30 Xa āāā } ā^ā Plugs, socket-outlets, couplers

SIST EN 60320-2-4:2007/A1:2010 en,fr

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SIST EN 60320-2-4:2007/A1:2010

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60320-2-4/A1

December 2009

ICS 29.120.20

English version

**Appliance couplers for household and similar general purposes -
Part 2-4: Appliance couplers dependent
on appliance weight for engagement
(IEC 60320-2-4:2005/A1:2009)**

Connecteurs pour usages domestiques
et usages généraux analogues -
Partie 2-4: Connecteurs à connexion
par gravité
(CEI 60320-2-4:2005/A1:2009)

Gerätesteckvorrichtungen
für den Hausgebrauch
und ähnliche allgemeine Zwecke -
Teil 2-4: Gerätesteckvorrichtungen
mit vom Gerätegewicht
abhängiger Kupplung
(IEC 60320-2-4:2005/A1:2009)

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This amendment A1 modifies the European Standard EN 60320-2-4:2006; it was approved by CENELEC on 2009-11-01. 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.

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 amendment 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.

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

CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 23G/290/CDV, future amendment 1 to IEC 60320-2-4:2005, 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 amendment A1 to EN 60320-2-4:2006 on 2009-11-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2010-08-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2012-11-01

Endorsement notice

The text of amendment 1:2009 to the International Standard IEC 60320-2-4:2005 was approved by CENELEC as an amendment to the European Standard without any modification.

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[SIST EN 60320-2-4:2007/A1:2010](https://standards.iteh.ai/catalog/standards/sist/6e3e604b-87a0-4306-86dc-0a91e53f6341/sist-en-60320-2-4-2007-a1-2010)

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Add the following Annex ZA to EN 60320-2-4:2006:

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC/TR 60083	- ¹⁾	Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC	-	-
IEC 60112	- ¹⁾	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	2003 ²⁾
IEC 60320-1	- ¹⁾	Appliance couplers for household and similar general purposes - Part 1: General requirements	EN 60320-1	2001 ²⁾
IEC 60320-2-2	- ¹⁾	Appliance couplers for household and similar general purposes - Part 2-2: Interconnection couplers for household and similar equipment	EN 60320-2-2	1998 ²⁾
IEC 60320-2-3	- ¹⁾	Appliance couplers for household and similar general purposes - Part 2-3: Appliance coupler with a degree of protection higher than IPX0	EN 60320-2-3	1998 ²⁾
IEC 60335-1 (mod)	- ¹⁾	Household and similar electrical appliances - Safety - Part 1: General requirements	EN 60335-1 + corr. July + A11 + A12 + corr. February + A13	2002 ²⁾ 2009 2004 2006 2007 2008
IEC 60664-1	- ¹⁾	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007 ²⁾
IEC 60695-11-5	- ¹⁾	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2005 ²⁾
IEC 60695-11-10	- ¹⁾	Fire hazard testing - Part 11-10: Test flames - 50 W horizontal and vertical flame test methods	EN 60695-11-10	1999 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60730 (mod)	series	Automatic electrical controls for household and similar use - Part 1: General requirements	EN 60730	series
IEC 61032	- ¹⁾	Protection of persons and equipment by enclosures - Probes for verification	EN 61032	1998 ²⁾
IEC 61058-1 (mod)	- ¹⁾	Switches for appliances - Part 1: General requirements	EN 61058-1	2002 ²⁾
ISO 9772	- ¹⁾	Cellular plastics - Determination of horizontal - burning characteristics of small specimens subjected to a small flame	-	-

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<https://standards.iteh.ai/catalog/standards/sist/6e3e604b-87a0-4306-86dc-0a91e53f6341/sist-en-60320-2-4-2007-a1-2010>



IEC 60320-2-4

Edition 1.0 2009-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

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

Connecteurs pour usages domestiques et usages généraux analogues –
Partie 2-4: Connecteurs à connexion par gravité

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

PRICE CODE
CODE PRIX



ICS 29.120.20

ISBN 2-8318-1065-9

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:

CDV	Report on voting
23G/290/CDV	23G/291/RVC

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site 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.

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1 Scope

[SIST EN 60320-2-4:2007/A1:2010](https://standards.iteh.ai/catalog/standards/sist/6e3e604b-87a0-4306-86dc-0a91e53f6341/sist-en-60320-2-4-2007-a1-2010)
<https://standards.iteh.ai/catalog/standards/sist/6e3e604b-87a0-4306-86dc-0a91e53f6341/sist-en-60320-2-4-2007-a1-2010>

Replace the existing NOTE 2 as follows:

NOTE 2 Appliance couplers dependent on appliance weight for engagement may be subject to spillage of liquid in normal use. They are classified according to whether protection against liquid spillage is provided, when installed in accordance with the manufacturer's installation instructions.

2 Normative references

Add the following new references to the list:

IEC/TR 60083, *Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC*

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

IEC 60730 (all parts), *Automatic electrical controls for household and similar use*

IEC 61058-1, *Switches for appliances – Part 1: General requirements*

Modify the following references:

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

IEC 60335-1, *Household and similar electrical appliances – Safety – Part 1: General requirements*

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

5 General notes on tests

5.2

Replace the third paragraph as follows:

For those clauses requiring the tests to be carried out on weight-engaged connectors and weight-engaged appliance inlets installed in accordance with the manufacturer's instructions, representative appliances or appliance parts shall be supplied.

5.5

Replace the second dashed item in the second paragraph by the following:

- set 2 of three specimens is subjected to the tests of Clauses 14, 15, 16, 19, 20, 21 and 25.101 (including the repetition of Clause 16).

Replace the third paragraph as follows:

For weight-engaged connectors which are declared as providing protection against liquid spillage, three additional specimens are required, which are subjected to the test of 14.2.

7 Classification

7.1.1

Replace the existing text with the following new text:

According to whether or not protection against liquid spillage is provided when the connector is installed according to the manufacturer's instructions.

7.1.5

Add the following text to the note:

A cycle is two strokes as defined in Clause 19; that is one connection followed by one disconnection.

Add the following new Subclauses 7.1.6 to 7.1.6.7:

7.1.6 The following information is recorded to cover required tests.

7.1.6.1 According to the specified minimum cross-sectional area of cord.

7.1.6.2 According to the maximum allowable terminal temperature rise.

7.1.6.3 According to the maximum allowable termination temperature rise.

7.1.6.4 According to the maximum allowable contact temperature rise.

7.1.6.5 According to the minimum appliance weight required for correct engagement.