

SLOVENSKI STANDARD
SIST EN 60320-2-2:1996**01-marec-1996**

**Appliance couplers for household and similar general purposes - Part 2:
Interconnection couplers for household and similar equipment (IEC 320-2-2:1990,
modified)**Appliance couplers for household and similar general purposes -- Part 2: Interconnection
couplers for household and similar equipmentGerätesteckvorrichtungen für den Hausgebrauch und ähnliche allgemeine Zwecke -- Teil
2: Netzweiterverbindungen für Geräte für den Hausgebrauch und ähnliche EinrichtungenConnecteurs pour usages domestiques et usages généraux analogues -- Partie 2:
Connecteurs d'interconnexion pour matériels électriques domestiques et analogues**Ta slovenski standard je istoveten z: EN 60320-2-2:1991****ICS:**

29.120.30	Vtiči, vtičnice, spojke	Plugs, socket-outlets, couplers
31.220.10	Vtiči in vtičnice, konektorji	Plug-and-socket devices. Connectors

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UDC 621.316.541:64.06-83:614.8

Descriptors: Low-voltage equipment, household appliance, similar general use, interconnection coupler, interconnection cord, rating, dimension, construction, test

ENGLISH VERSION

APPLIANCE COUPLERS FOR HOUSEHOLD AND SIMILAR
GENERAL PURPOSES
PART 2: INTERCONNECTION COUPLERS FOR HOUSEHOLD
AND SIMILAR EQUIPMENT
(IEC 320-2-2:1990, modified)

Connecteurs pour usages
domestiques et usages généraux
analogues

Deuxième partie:

Connecteurs d'interconnexion
pour matériels électriques
domestiques et analogues
(CEI 320-2-2:1990, modifiée)

Gerätesteckvorrichtungen für
den Hausgebrauch und ähnliche
allgemeine Zwecke

Teil 2:

Netzweiterverbindungen für
Geräte für den Hausgebrauch
und ähnliche Einrichtungen
(IEC 320-2-2:1990, modifiziert)

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This European Standard was approved by CENELEC on 1991-06-25. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 320-2-2:1990, as corrected by corrigendum August 1990, could be accepted without textual changes, has shown that some CENELEC common modifications were necessary for the acceptance as European Standard.

The reference document, together with the common modifications prepared by the CENELEC Reporting Secretariat SR 23G was submitted to the CENELEC members for formal vote.

The text of the draft was approved by CENELEC as EN 60320-2-2 on 25 June 1991.

The following dates were fixed:

- latest date of publication of
an identical national standard (dop) 1992-07-01
- latest date of withdrawal of
conflicting national standards (dow) 1992-07-01

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For products which have complied with the relevant national standard before 1992-07-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1997-07-01.

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Annexes designated "normative" are part of the body of the standard. In this standard, annex ZA is normative.

ENDORSEMENT NOTICE

The text of the International Standard IEC 320-2-2:1990 with its corrigendum August 1990 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Where in this standard reference is made to IEC 320 it shall be substituted by a reference to EN 60320-1

- 14 **Insulation resistance and electric strenght**
- 14.2 Substitute in the table the cord designations by the designations of the harmonized cord types.
- replace 227 IEC 53 by H05VV-F
 - replace 245 IEC 53 by H05RR-F
- 21 **Flexible cables and cords and their connection**
- 21.3 Substitute in the table the cord designation by the designation of the harmonized cord type.
- replace 245 IEC 53 by H05RR-F
- 21.4 Substitute in the table the cord designation by the designation of the harmonized cord type.
- replace 245 IEC 53 by H05RR-F

ANNEX ZA (normative)

OTHER INTERNATIONAL PUBLICATIONS QUOTED IN THIS STANDARD
WITH THE REFERENCES OF THE RELEVANT EUROPEAN PUBLICATIONS

<u>IEC Publication</u>	<u>Date</u>	<u>Title</u>	<u>EN/HD</u>	<u>Date</u>
83	1975	Plugs and socket-outlets for domestic and similar general use - Standards (IEC Report)	-	-
536	1976	Classification of electrical and electronic equipment with regard to protection against electric shock	HD 366 S1	1977
906-1	1986	IEC System of plugs and socket-outlets for household and similar purposes Part 1: Plugs and socket-outlets 16 A 250 V a.c.	-	-

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
320-2-2

Première édition
First edition
1990-01

**Connecteurs pour usages domestiques
et usages généraux analogues**

Deuxième partie:

**Connecteurs d'interconnexion pour matériels
électriques domestiques et analogues**

**Appliance couplers for household and
similar general purposes**

Part 2:

**Interconnection couplers for household
and similar equipment**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX 31
PRICE CODE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

APPLIANCE COUPLERS FOR HOUSEHOLD
AND SIMILAR GENERAL PURPOSESPart 2: Interconnection couplers for household
and similar equipment

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.
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- 4) The IEC has not laid down any procedure concerning marking as an indication of approval and has no responsibility when an item of equipment is declared to comply with one of its recommendations.

PREFACE

This standard has been prepared by Sub-Committee 23G: Appliance couplers, of IEC Technical Committee No. 23: Electrical accessories.

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

Six Months' Rule	Reports on Voting	Two Months' Procedure	Reports on Voting
23G(C0)53,54,55	23G(C0)59,60,61	23G(C0)62	23G(C0)63

Full information on the voting for the approval of this standard can be found in the Voting Reports indicated in the above table.

This standard is intended to be used in conjunction with IEC Publication 320: Appliance couplers for household and similar general purposes (second edition, 1981) and its Amendment No. 3 (1987).

The clauses of this standard supplement or modify the corresponding clauses of IEC Publication 320. Where there is no corresponding sub-clause in this standard, the sub-clause of IEC Publication 320 applies without modification as far as is reasonable. Where this standard states "addition", "modification" or "replacement", the relevant requirement, test specification or explanatory matter in IEC Publication 320 should be adapted accordingly.

In this publication:

- 1) The following print types are used:
 - Requirements proper: in roman type.
 - *Test specifications: in italic type.*
 - Explanatory matter: in smaller roman type.
- 2) Sub-clauses, figures or tables which are additional to those in Part 1 are numbered starting from 101.

Other IEC publications quoted in this standard:

Publications Nos. 83 (1975): Plugs and socket-outlets for domestic and similar general use. Standards. (IEC Report.)

536 (1976): Classification of electrical and electronic equipment with regard to protection against electric shock.

<https://standards.iteh.ai/catalog/standards/sist/bdc7ff4d-9f58-48e4-aa41-f7bf6927a74/sist-en-60320-2-2-1996>

906-1 (1986): IEC System of plugs and socket-outlets for household and similar purposes, Part 1: Plugs and socket-outlets 16 A 250 V a.c.

APPLIANCE COUPLERS FOR HOUSEHOLD AND SIMILAR GENERAL PURPOSES

Part 2: Interconnection couplers for household and similar equipment

INTRODUCTION

Where in IEC Publication 320 the words "appliance coupler", "connector" or "appliance inlet" appear, they should be deleted and replaced with "interconnection coupler", "plug connector" or "appliance outlet" respectively.

1. Scope

This clause of IEC Publication 320 is replaced as follows:

This standard is applicable to:

- two-pole interconnection couplers for a.c. only, with and without earthing contact, with a rated voltage not exceeding 250 V and a rated current not exceeding 10 A, for household and similar appliances and equipment and intended for the interconnection of the electrical supply to electrical appliances or equipment for 50 Hz or 60 Hz supply;
- interconnection cord sets incorporating plug connectors of such interconnection couplers.

Appliance outlets integrated in or incorporated in appliances or other equipment are within the scope of this standard. The dimensional and general requirements of this standard apply to such outlets, but certain tests may not be relevant.

The requirements for plug connectors are based on the assumption that the temperature of the socket contacts of the corresponding appliance outlets does not exceed 65 °C (cold conditions).

Interconnection couplers complying with this standard are suitable for use at ambient temperatures not normally exceeding 25 °C, but occasionally reaching 35 °C.

Interconnection couplers complying with the standard sheets in this standard are intended for the interconnection of appliances or equipment having no special protection against moisture; for the interconnection of other appliances or equipment and of an appliance or equipment which is subject to spillage of liquid in normal use, additional requirements are necessary.

Special constructions may be required:

- in locations where special conditions prevail as, for example, in ships, vehicles and the like;
- in hazardous locations, for example, where explosions are liable to occur.

2. Definitions

This clause of IEC Publication 320 applies with the following additions:

Additional definitions:

2.101 *An interconnection coupler* is a means enabling the connection and disconnection at will of an appliance or equipment to a flexible cable or cord leading to another appliance or equipment.

It consists of two parts:

- a *plug connector*, which is the part integral with, or intended to be attached to, the flexible cable or cord;
- an *appliance outlet*, which is the part integrated or incorporated in the appliance or equipment or intended to be fixed to it, and from which the supply is obtained.

An appliance outlet integrated in an appliance or equipment is an appliance outlet (the shroud and bottom of) which is formed by the housing of the appliance or equipment. An appliance outlet incorporated in an appliance or equipment is a separate appliance outlet built in or fixed to an appliance or equipment.

2.102 *An interconnection cord set* is an assembly consisting of a flexible cable or cord with an non-rewirable plug connector and a non-rewirable connector, intended for the interconnection of the electrical supply from one electrical appliance or equipment to another.

2.3 Replacement

The term "accessory" is used as a general term covering plug connectors and/or appliance outlets.

3. General requirements

This clause of IEC Publication 320 is replaced as follows:

Interconnection couplers shall be so designed and constructed that in normal use their performance is reliable and without danger to the user or surroundings.

In general, compliance is checked by carrying out all the tests specified.