

Appliance coupler for household and similar general purposes —

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

The European Standard EN 60320-2-3:1998, with the incorporation of amendment A1:2005, has the status of a British Standard

ICS 29.120.30

National foreword

This British Standard is the English language version of EN 60320-2-3:1998, including amendment A1:2005. It is identical with IEC 60320-2-3:1998, including amendment 1:2004.

The start and finish of text introduced or altered by IEC amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated in the text by **A1** **A1**.

The UK participation in its preparation was entrusted by Technical Committee PEL/23, Electrical accessories, to Subcommittee PEL/23/3, Appliance couplers, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 21 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 January 1999

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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

(includes amendment A1:2005)
(IEC 60320-2-3:1998 + A1:2004)

Connecteurs pour usages domestiques
et usages généraux analogues
Partie 2-3: Connecteurs avec degré de
protection supérieur à IPX0
(inclut l'amendement A1:2005)
(CEI 60320-2-3:1998 + A1:2004)

Gerätesteckvorrichtungen für den
Hausgebrauch und ähnliche allgemeine Zwecke
Teil 2-3: Gerätesteckvorrichtungen mit einem
Schutzgrad höher als IPX0
(enthält Änderung A1:2005)
(IEC 60320-2-3:1998 + A1:2004)

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CENELEC

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

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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.

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.

Foreword to amendment A1

The text of document 23G/243/FDIS, future amendment 1 to IEC 60320-2-3:1998, 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 60320-2-3 on 2005-02-01.

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) 2005-11-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2008-02-01

Endorsement notice

The text of amendment 1:2004 to the International Standard IEC 60320-2-3:1998 was approved by CENELEC as an amendment to the European Standard without any modification.

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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.

A1 They are intended for the connection of the circular supply cord to electrical appliances of class II for household, commercial and light industrial use. **A1**

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.

NOTE 5 This note of IEC 60320-1 applies.

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.

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:

- for connectors: without the complementary accessory in engagement but with the cover in the open position;
- 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.

5.2 Replacement:

Unless otherwise specified, the specimens are tested as delivered and under normal conditions of use, at an ambient temperature of $20\text{ °C} \pm 5\text{ °C}$; they are tested with a.c. at 50 Hz or 60 Hz.

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: