

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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

**Connecteurs pour usages domestiques et usages généraux analogues –  
Partie 2-3: Connecteurs avec degré de protection supérieur à 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**

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

This second edition cancels and replaces the first edition published in 1998 and Amendment 1:2004. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Aligned with IEC 60320-1:2015.
- b) The scope is extended to cover current ratings up to and including 16 A.
- c) The scope is extended to cover Class I appliance couplers.

- d) The scope is extended to cover appliance couplers for hot and very hot conditions.
- e) Added classification regarding the use of retaining devices.
- f) Added classification for indoor and outdoor use.

The text of this International Standard is based on the following documents:

|              |                  |
|--------------|------------------|
| FDIS         | Report on voting |
| 23G/401/FDIS | 23G/403/RVD      |

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

This Part 2-3 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 third edition of that standard (2015).

The clauses of this standard supplement or modify the corresponding clauses in IEC 60320-1. When a particular subclause or annex of Part 1 is not mentioned in this Part 2-3, the subclause or annex 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.

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

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.

A list of all parts in the IEC 60320 series, published under the general title *Appliance couplers for household and similar general purposes*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## 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 with the following addition:

This document applies to appliance couplers with a degree of protection against ingress of water higher than IPX0.

#### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

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

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

IEC 60320-3, *Appliance couplers for household and similar general purposes – Part 3: Standard sheets and gauges*

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

#### 3 Terms and definitions

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

##### 3.101

##### **accessible surface**

surface of an accessory that can be touched by means of the test probe B of IEC 61032 (standard test finger), when the accessory is assembled as in normal use and in the following conditions:

- a) for connectors and appliance outlets: 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).

##### 3.102

##### **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