

INTERNATIONAL STANDARD

NORME INTERNATIONALE



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

**Connecteurs pour usages domestiques et usages généraux analogues –
Partie 3: Feuilles de norme et calibres**

IEC 60320-3:2014

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**APPLIANCE COUPLERS FOR HOUSEHOLD
AND SIMILAR GENERAL PURPOSES –****Part 3: Standard sheets and gauges**

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In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

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

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

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

This part is to be used in conjunction with IEC 60320-1.

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APPLIANCE COUPLERS FOR HOUSEHOLD AND SIMILAR GENERAL PURPOSES –

Part 3: Standard sheets and gauges

1 Scope

This part of the IEC 60320 sets the dimensions for appliance couplers for two poles and two poles with earth contact

- for the connection of electrical devices for household and similar onto the mains supply and
- for the interconnection of the electrical supply to appliance or equipment
- and dimensions for gauges.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60227 (all parts), *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*

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

IEC 60320-2-3:2018, *Appliance couplers for household and similar general purposes – Part 2-3: Appliance couplers with a degree of protection higher than IPX0*

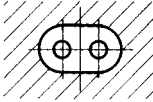
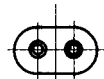
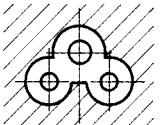
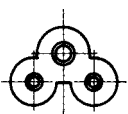
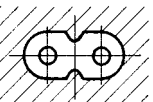
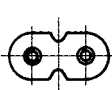
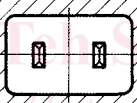
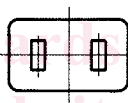
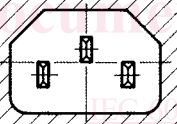
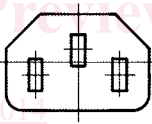
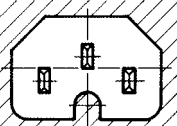
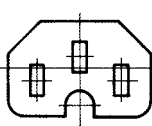
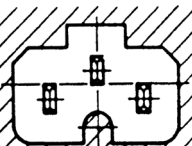
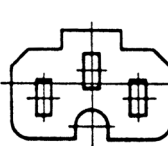
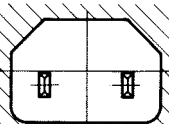
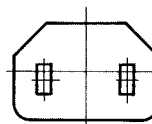
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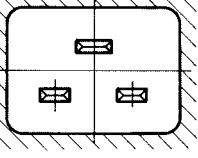
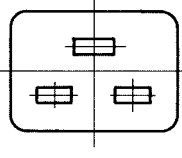
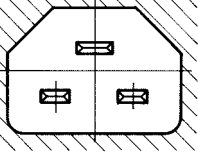
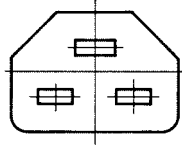
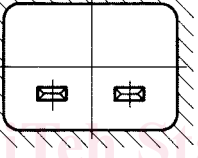
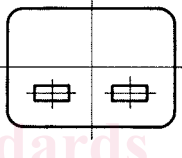
For the purposes of this document, the terms and definitions given in IEC 60320-1 apply.

4 General requirements

The general requirements for connecting appliance couplers to the electrical mains supply are detailed in Table 1.

Table 1 – Appliance couplers C1 up to C24 – Standard sheets

Rated current of appliance coupler A	Class of equipment	Maximum pin temperature of appliance inlet °C	APPLIANCE COUPLER		Type of cord		
			Number of standard sheet for:		Rewirable construction allowed	Lightest type allowed	Minimum cross-section mm ²
			appliance inlet	connector			
0,2	II	70	 C2	 C1	No	60227 IEC 41	– ^a
2,5	I	70	 C6	 C5	No	60227 IEC 52	0,75
2,5	II	70	 C8	 C7	No	60227 IEC 52	0,75 ^b
6	II	70	 C10	 C9	No	60227 IEC 52	0,75
10	I	70	 C14	 C13	Yes	60227 IEC 53 or 60245 IEC 53	0,75 ^c
10	I	120	 C16	 C15	Yes	60245 IEC 53 or 60245 IEC 89	0,75 ^c
10	I	155	 C16A	 C15A	Yes	60245 IEC 53 or 60245 IEC 89	0,75 ^c
10	II	70	 C18	 C17	No	60227 IEC 53 or 60245 IEC 53	0,75 ^c

Rated current of appliance coupler A	Class of equipment	Maximum pin temperature of appliance inlet °C	APPLIANCE COUPLER		Type of cord		
			Number of standard sheet for:		Rewirable construction allowed	Lightest type allowed	Minimum cross-section mm ²
			appliance inlet	connector			
16	I	70			Yes	60227 IEC 53 or 60245 IEC 53	1 ^c
16	I	155			Yes	60245 IEC 53 or 60245 IEC 89	1 ^c
16	II	70			No	60227 IEC 53 or 60245 IEC 53	1 ^c

^a Only for small hand-held appliances, in length not exceeding 2 m, if allowed by the relevant appliance standard.

^b 0,5 mm² is allowed for lengths not exceeding 2 m.

^c If the cord has a length exceeding 2 m or is of the retractable coiled (pre-coiled) type, nominal cross-sectional areas shall be
 - 1 mm² for 10 A connectors
 - 1,5 mm² for 16 A connectors.

<https://standards.iteh.ai/catalog/standards/iec/4ca05525-7f8b-45af-8f5d-00d69383751a/iec-60320-3-2014>

Table 2 gives the general requirements for appliance couplers for the interconnection of the electrical supply to appliance or equipment.