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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 17465.2-2009

Replacing GB 17465.2-1998

**Appliance couplers for household and similar general purposes
-- Part 2: Interconnection couplers for household and similar
equipment**

家用和类似用途器具耦合器 第2部分：家用和类似设备用互连耦合器

(English Translation)

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Table of Contents

Introduction	
Introduction	
1 Scope	
2 Normative references	
3 Terms and definitions	
4 2 General requirements	
5 General notes	
6 Standard Rating	
7 Category	
8 Mark	
9 Dimensions and interchangeability	
10 5 Protection against electric shock	
11 Grounding	
12 Terminals and terminations	
13 Structure	
14 Moisture	
15 Insulation resistance and electric strength	
16 Connector insertion and removal force required	
8 Work 17 contacts	
18 For hot conditions or appliance couplers for very hot conditions the heat resistance of	
19 Breaking capacity	
20 Normal operation	
21 Temperature	
22 And its connecting cord	
Mechanical strength 23	
24 Heat-resistant and anti-aging properties	
25 Screws, current-carrying parts and connections	
26 Creepage distances, clearances and distances through insulation	
27 Heat-resistant insulating material, fire resistance and electrical traces of	
28 Rust	
29 Electromagnetic compatibility (EMC) requirements	
Standard Binder Class A I equipment 2.5A plug connector (limited to non-rewirable type)	

Standard Binder Class B I equipment 2.5A appliance outlet
Binder C II class standard equipment 2.5A plug connector (limited to non-rewirable type)
Standard sheets D II class equipment 2.5A appliance outlet
E I standard sheet-type device with a 10A plug connector
Standard sheet Class F I equipment 10A appliance outlet
Standard leaflet G II class equipment 10A plug connector (limited to non-rewirable type)
Standard sheet H II class equipment 10A appliance outlet
Standard sheet Class I I equipment 16A plug connector
Standard Binder Class J I equipment 16A appliance outlet
Binder K II class standard equipment 16A plug connector
Standard sheet L II class equipment 16A appliance outlet

Foreword

GB 17465 all the technical content of this section is mandatory.

GB 17465 "Household and similar appliances couplers" is divided into the following sections.

Part 1. General requirements (GB 17465.1) Part 2. Particular requirements (GB 17465.2 ~ GB 17465.4)

--- Household and similar equipment Interconnection couplers

--- Protection higher than IPX0 appliance couplers

--- Appliance weight for engagement by a coupler this section GB 17465 Part 2 for household and similar equipment interconnection couplers. This section should cooperate with the GB 17465.1 use.

The partial modification of the use of IEC 60320-2-2:1998 Part (2nd Edition) "Household and similar appliances couplers 2-2. Household and Similar equipment interconnection couplers General requirements. " IEC 60320-2-2:1998 with the IEC 60320-1:1994 (first edition) supporting the use. Since the revised IEC standard speed, According to the national standard GB 17465.1-2009 has IEC 60320-1:2007 (Version 2.1) revision, so there use different versions of the problem, to make the series of standards supporting the use of more sophisticated, reasonable and based on this part of IEC 60320-1:2007 modification using IEC 60320-2-2:1998.

This part of IEC 60320-2-2:1998 The main differences are as follows.

1) on the use of ambient temperature.

Some areas of the subtropical climate, high ambient temperature, according to China's geographical and climatic features in this section Regulation Fixed interconnection couplers ambient temperature "usually not more than 35 °C, but occasionally reach 40 °C". IEC 60320-2-2 in Regulation Fixed. Interconnection couplers operating ambient temperature "usually not more than 25 °C, but occasionally reach 35 °C".

2) In order to correspond with GB 17465.1-2009 standard, 8.6 ground terminal symbols, increase circled ground symbol.

3) In order to correspond with GB 17465.1-2009 standards and comply with the basic principles of product testing, increasing 16.3, the minimum withdrawal force Test method to assess a single pin gauge.

4) According to GB/T 5023-2008 "rated voltage 450/750V and below PVC insulated cables," the provisions of the cord type as 60227IEC 53 of 3 x 0.75mm², the maximum diameter of 8.0mm to 7.6mm; 3 x 1.0mm², the maximum diameter the 8.4mm to 8.0mm; 3 x 1.5mm², by the maximum diameter of 9.8mm to 9.4mm.

5) According to GB/T 5013-2008 "rated voltage 450/750V and below rubber insulated cables," the provisions of the cord of type 60245IEC 53 of 3 x 0.75mm², the maximum diameter of 8.8mm to 8.1mm; 3 x 1.0mm², by the maximum diameter 9.2mm to 8.5mm; 3 x 1.5mm², by the maximum diameter of 11.0mm to 10.4mm.

6) Because IEC 60536:1997 corresponding to our standard GB/T 12501-1990 been set aside, and just 7.1 in this section

Note that the reference standard, delete the IEC 60320-2-2:1998 in reference to the standard IEC 60536:1997, delete

7.1 NOTE provisions.

The standard page is just 7.1 Note.

This Part replaces GB 17465.2-1998 "the second part of appliance couplers for household and similar purposes. Household and similar equipment interoperability Even coupler. " this section compared with GB 17465.2-1998, the main changes are as follows.

1) In order to facilitate to find and use, modify GB 17465.2-1998 standard sheet number name, according to IEC 60320-2-2.

1998 standard sheet attached to the name are numbered.

2) Chapter 3, delete the words "interconnection cable assembly" definition, the product cord set into the GB 15934 standards, this section all details about the interconnection wire assembly moved in GB 15934.

3) In order to correspond with GB 17465.1-2009 standard, 8.6 ground terminal symbols, increase circled ground symbol.

4) In order to correspond with GB 17465.1-2009 standard, Chapter 15, Note 1, "the body" interpretation of the word to delete "a ground terminal, connected to plug or ground contact."

5) In order to correspond with GB 17465.1-2009 standards and comply with the basic principles of product testing, increasing 16.3, the minimum withdrawal force Test method to assess a single pin gauge.

6) Chapter 21 temperature test current to 1.25 times the rated current.

7) 23.7 plug connector having a separate front part of the package insert set of tensile test.

8) increased 23.8 pairs of the plug connector housing pressure test.

9) According to GB/T 5023-2008 "rated voltage 450/750V and below PVC insulated cables," the provisions of the cord type as 60227IEC 53 of 3 x 0.75mm², the maximum diameter of 8.0mm to 7.6mm; 3 x 1.0mm², the maximum diameter the 8.4mm to 8.0mm; 3 x 1.5mm², by the maximum diameter of 9.8mm to 9.4mm.

10) according to GB/T 5013-2008 "rated voltage 450/750V and below rubber insulated cables," the provisions of the cord of type 60245IEC 53 of 3 x 0.75mm², the maximum diameter of 8.8mm to 8.1mm; 3 x 1.0mm², by the maximum diameter 9.2mm to 8.5mm; 3 x 1.5mm², by the maximum diameter of 11.0mm to 10.4mm.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Electric annex Standardization Technical Committee (SAC/TC67) centralized.

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Introduction

GB 17465.1-2009 in each chapter, where the article appeared, "appliance couplers", "connector" or "appliance inlet" and other words were, these words, should be deleted, and were replaced by "Interconnection couplers", "plug connector" or "appliance outlet." Household and similar appliances couplers Part 2. Household and similar equipment interconnection couplers