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

**中华人民共和国国家标准**

GB 1002-2008

Replace GB 1002-1996

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**Single phase plugs and socket-outlets for household  
and similar purposes—Type, basic parameters and  
dimensions**

**家用和类似用途单相插头插座**

**型式、基本参数和尺寸**

**Issued on September 24, 2008**

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**Issued by General Administration of Quality Supervision, Inspection  
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of**



## Foreword

All the technical contents in this standard are mandatory.

This standard replaces and abolishes the GB 1002-1996 *Single Phase Plugs and Socket-outlets for Household and Similar Purposes—Types, Basic Parameters and Dimensions*.

The main differences between this standard and GB 1002-1996 are as follows:

- Requirement for distance between single phase socket with electrode sleeve and opening and closing surface is added in Chapter 5;
- Requirement for insertion force of gauge is added in Chapter 5;
- Provision for types of two-pole plugs with rated current of 16A is added in Chapter 5;
- The valid value of dimensional tolerance of opening distance of single phase plugs and sockets is simplified to 2 digits from 3 ones;
- Number of gauges for inspection is increased, tolerance and dimension of gauge design is overall modified;
- The largest and smallest go gauges for dimensional inspection of single phase two-pole sockets and those with grounding are added;
- Contactless gauge for dimensional inspection of single phase two-pole sockets and those with grounding is added;
- No-go gauge is added for round plug of single phase two-pole flat-round sockets.

This standard only stipulates types, basic parameters and dimensions of household and similar single phase plugs and sockets, the technical requirements and test methods of which shall comply with GB 2099.1—2008.

This Standard is proposed by China Electrical Equipment Industrial Association.

This standard is under the jurisdiction of national electrical accessories standardization technical committee (SAC/TC 67).

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This standard is drafted unit by: China National Electric Apparatus Research Institute, Hangzhou HONYAR Electrical Co., Ltd., Shenzhen Academy of Metrology & Quality Inspection, Panasonic Electric Works (Beijing) Co., Ltd., TCL International Electrical (Huizhou) Co., Ltd., Shunde Soben Electric Works Industrial Co., Ltd., Guangdong Lonon Electric Industrial Company, T & J Electric (Shenzhen) Co., Ltd., Luogelang (Beijing) Electric Co., Ltd., Beijing ABB Low-voltage Electrical Apparatus Co., Ltd., Guangzhou Electrical Safety Testing (CEST), Chipsal Industrial (Huizhou) Co., Ltd., Beijing Tupo Electric Co., Ltd., Cixi Bull Electric Co., Ltd.

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The issuances of previous versions of the standard replaced by this standard are as follows:

——GB 1002—1980, GB 1002—1996.

# Single phase plugs and socket-outlets for household and similar purposes—Type, basic parameters and dimensions

## 1 Scope

This standard specifies the types, basic parameters and dimensions of single phase plugs and socket-outlets for household and similar purposes

This standard is applicable to single phase plugs and fixed or portable sockets used in household and similar environments with AC frequency of 50Hz, rated voltage of 250V and rated current not more than 16A.

## 2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 2900.70-2008 Electro-technical terminology - Electrical accessories (IEC 60050-442: 1998, IDT)

GB 2900.1-2008 Electro-technical terminology—Fundamental terms (IEC 60884-1: 2006, MOD)

GB/T 1184-1996 Geometrical tolerancing-Geometrical tolerances for features without Individual tolerance indications (eqv ISO 2768-2: 1989)

## 3 Terms and definitions

For the purpose of this Standard, following terms and definitions those established in GB/T 2900. 70-2008 and GB 2099.1-2008 apply.

## 4 Technical requirements and test methods

The technical requirements and test methods of household and similar single phase plugs and sockets shall comply with GB 2099.1-2008.

## 5 Types, basic parameters and dimensions

5.1 Household and similar single phase plugs and sockets are divided into two basic types: two-pole without grounding and with grounding.

5.2 The types, basic parameters and dimensions of household and similar single phase plugs and sockets shall conform to Figure 1-5 and Table 1-5.

5.3 Special gauges and vernier calipers with division value of 0.02mm stipulated in Figure 6-18 and Table 6-18 shall be used to inspect the dimensions of household and similar single phase plugs and sockets,



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