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

GB/T 2099.8-2017

**Plugs and socket-outlets for household and similar purposes --
Part 2-4: Particular requirements for plugs and socket-outlets
for SELV**

家用和类似用途插头插座 第2-4部分：安全特低电压(SELV)插头插座的特殊要求
(English Translation)

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Table of Contents

Foreword	
1 Scope	
2 Normative references	
3 Terms and definitions	
4 General Requirements	
5 General requirements for testing	
6 Rating	
7 Categories	
8 Logo	
9 Size check	
10 Anti-shock protection	
11 Grounding measures	
12 Terminals and end	
13 Fixed socket structure	
14 Plug and mobile socket structure	
15 Interlock socket	
16 Anti-aging, provided by the housing protection and moisture	
17 Insulation resistance and electrical strength	
18 Ground contact work	
19 Temperature rise	
20 Breaking capacity	
21 Normal operation	
22 The force required to pull out the plug	
23 Flexible cable and its connection	
24 Mechanical strength	
25 Heat	
26 Screws, current-carrying parts and their connection	
Creepage distances, clearances and distances through the sealant	
28 Insulation resistance to abnormal heat, flame and tracking resistance	
29 Rust performance	
Additional test of the pin with insulating sheath	

Appendix A (Normative) With the delivery of the state of the wire accessories of mobile appliances and safety-related routine testing (Protection against electric shock and correct polarity)

Appendix B (Normative) Test sample list required

And the relationship between the test current

Foreword

GB/T 2099 "Household and similar plugs and sockets" is divided into the following sections.

--- Part 1. General requirements

--- Part 2. Special requirements - Fuse plugs with special requirements - appliance socket special requirements - Converter special requirements - Fixed non-interlocking switch socket with special requirements - Fixed with interlock switch socket special requirements - Extension cord socket special requirements - Special Requirements for Safety Extra Low Voltage (SELV) Plug and Socket - Information socket special requirements this section GB/T 2099 Part 2-4.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the redrafted law Amendment uses IEC 60884-2-4:2007 "plugs and sockets for household and similar use Part 2-4.

Special low voltage (SELV) plug and socket special requirements. " this part of IEC 60884-2-4:2007 technical differences and the reasons are as follows.

--- On the normative references, this section made a technical difference with the adjustment to adapt to China's technical conditions, adjust the situation Concentration reflected in the second chapter "Normative references", the specific adjustments are as follows.

- Equivalent with the international standard GB/T 131 instead of ISO 1302:2002;
- Replaced IEC 60884-1:2006 with GB/T 2099.1-2008 modified to adopt international standards;
- Replaced IEC 60884-2-2 with revision GB/T 2099.2 adopting international standard;
- Replacing IEC 60906-3:1994 with modified GB/T 34134-2017 adopting international standards;

--- According to the application of safety extra-low voltage plug and socket, change the "rated current 16A" in Chapter 1 Scope to "rated current not more than 16A ";

--- Because GB/T 5023-2008 has been removed flat shielded cord 60227IEC 42, so the type of flexible cable in Table 17 60227IEC 42 revised to 60227IEC 52.

This section made the following editorial changes.

--- According to the relevant provisions of GB/T 1.1-2009, in Chapter 1, "Scope" added "This section provides for domestic and similar safety SELV plugs and sockets rated value, logo, anti-shock protection, structure, electrical performance, mechanical properties and other technologies Claim".

This part is proposed by China Electrical Equipment Industry Association.

This part of the National Electrical Accessories Standardization Technical Committee (SAC/TC67) centralized.

This part of the drafting unit. China Electric Apparatus Research Institute Co., Ltd., Hangzhou Hongyan Electric Co., Ltd., Zhejiang Chint Construction Electric Co., Ltd.

Company, Bulls Group Co., Ltd., Wei Kai Detection Technology Co., Ltd., Beijing Branch to Bo Electronic Technology Co., Ltd., Ningbo Huadian Ltd., Yue Hua Holdings Group Co., Ltd.

1 Scope

GB/T 2099.1-2008 replaced by this chapter.

This section provides for household and similar purposes Safety Extra Low Voltage (SELV) plug and socket ratings, signs, protection against electric shock, structure, Electrical performance, mechanical performance and other technical requirements.

This section applies to indoor or outdoor use, household and similar purposes, 6V ~ 48V (including 48V), direct current or alternating current (50/60 Hz) Safety Extra Low Voltage (SELV), plugs up to 16A, fixed or mobile sockets and appliance sockets.

Note 1: This section is being considered for expanding to higher frequencies.

This section does not include the requirements of the concealed installation box; only includes the socket for the test required for installation of Ming-mounted box requirements.

This part also applies to the plug installed in the cord assembly and integrated into the appliance or installed in the appliance or fixed to the appliance socket.

Note 2: A socket that is integral with an appliance or device is a socket into which the appliance or device forms its outer shell.

A socket installed in an appliance or device is a separate socket that is installed or fixed in an appliance or device.

In addition, the appliance or equipment socket belongs to GB/T 2099.2 range.

This section does not apply to.

--- Industrial plugs and sockets and couplers;

--- appliance coupler;

--- With fuse, automatic switch combination of fixed socket.

Plugs and fixed or mobile sockets in accordance with this standard are suitable for use at ambient temperatures typically not exceeding 35 ° C and occasionally up to 40 ° C Use.

Note 3: The socket in line with this section is suitable only in the installation method and installation location are unlikely to make the ambient temperature around the socket over 40 °C in the device use.

In special conditions, such as places on board, vehicles and similar places and possible dangerous places such as explosion, may require special structure.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2099.1-2008 plugs and sockets for household and similar use - Part 1. General requirements (IEC 60884-1:2006, MOD) this chapter adds the following references apply
GB/T 131 Geometrical Product Specifications (GPS) Technical product documentation representation of the surface structure (GB/T 131-2006, ISO 1302:2002, IDT) GB/T 2099.2 plugs and sockets for household and similar use - Part 2. Particular requirements for plugs and sockets (GB/T 2099.2-2012, IEC 60884-2-2:2006, MOD) GB/T 34134-2017 Household and Similar Safety Extra Low Voltage (SELV) AC and DC Plugs 16A6V, 12V, 24V, 48V Type, basic parameters and dimensions (IEC 60906-3:1994, MOD)