



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

**GB/T 17466.21-2022**

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**Boxes and enclosures for electrical accessories for household and  
similar fixed electrical installations - Part 21: Particular requirements  
for boxes and enclosures with provision for suspension means**

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### foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1. Structure and Drafting Rules of Standardization Documents" drafted.

This document is Part 21 of GB/T 17466 "Installation Boxes and Enclosures for Electrical Accessories for Household and Similar Fixed Electrical Installations".

GB/T 17466 has released the following parts.

--- Part 1. General requirements;

--- Part 2. Special requirements.

\* Part 21. Particular requirements for mounting boxes and enclosures for suspension devices;

\* Part 22. Particular requirements for connection boxes and enclosures;

\* Part 23. Particular requirements for ground-mounted boxes and enclosures;

\* Part 24. Particular requirements for enclosures of residential protection devices and other power-consuming electrical appliances.

This document replaces GB/T 17466.21-2008 "Installation boxes and enclosures of electrical accessories for household and similar fixed electrical installations

Part 21. Particular requirements for mounting boxes and enclosures for suspension devices", compared with GB/T 17466.21-2008, except for structural adjustment and

In addition to editorial changes, the main technical changes are as follows.

--- Increased the requirements for the conductive part of the suspension device in the installation box or enclosure (see Chapter 10);

--- Increased the ambient temperature requirements for the installation box and enclosure test classified in 7.1.2 and 7.1.4 (see 15.101.1);

--- Deleted the ambient temperature requirements for installation boxes and enclosures classified in 7.1.1 and 7.1.3 (see 15.101.2 of the 2008 edition).

This document is modified to adopt IEC 60670-21:2016 "Installation boxes and enclosures of electrical accessories for fixed electrical installations for household and similar purposes.

Part 21. Particular requirements for mounting boxes and enclosures for suspension devices.

The technical differences between this document and IEC 60670-21:2016 and their reasons are as follows.

--- Added "This document specifies the marking, protection against electric shock, structure, mechanical properties, electrical

Gas performance and other technical requirements", in order to comply with the provisions of GB/T 1.1.

The following editorial changes have been made to this document.

--- Deleted the notes applicable to other countries in IEC 60670-21:2016, such as Note 4 of 15.101.1.

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

## Introduction

GB/T 17466 aims to standardize the technical requirements for the installation boxes and enclosures of electrical accessories for household and similar fixed electrical installations.

The safe use of certified products is intended to consist of the following parts.

--- Part 1. General requirements. The purpose is to specify electrical accessory boxes and enclosures for household and similar fixed electrical installations.

General requirements for shell structure, mechanical properties, electrical properties, etc.

--- Part 21. Particular requirements for mounting boxes and enclosures for suspension devices. The purpose is to specify the mounting box for the suspension device

And the technical requirements of anti-shock protection, structure, mechanical properties and electrical properties of the shell.

--- Part 22. Particular requirements for connection boxes and enclosures. The purpose is to

specify the protection against electric shock, structure, mechanical performance, electrical performance and other technical requirements.

--- Part 23. Particular requirements for ground-mounted boxes and enclosures. The purpose is to specify the protection against electric shock of ground-mounted boxes and enclosures, Technical requirements for structure, mechanical properties, electrical properties, etc.

--- Part 24. Particular requirements for enclosures of residential protection devices and other power-consuming electrical appliances. The purpose is to specify residential protective equipment

Technical requirements such as protection against electric shock, structural requirements, mechanical properties, and electrical properties of enclosures and other power-consuming electrical appliances.

This document can provide guidance for the production of mounting boxes and housing products for suspension devices, and improve the technical performance, safety and reliability of the products.

to ensure the safety of people's electricity consumption.

Household and similar fixed electrical installations

Electrical accessory mounting boxes and enclosures part 21.

Particular requirements for mounting boxes and enclosures for suspension devices

## 1 Scope

This document specifies the marking, protection against electric shock, structure, mechanical properties, electrical properties, etc.

Require.

This chapter of GB/T 17466.1-2019 applies after adding the following content.

Add after the fourth paragraph.

This document applies to mounting boxes and enclosures fitted with suspension devices.

## 2 Normative references

This chapter of GB/T 17466.1-2019 applies.

## 3 Terms and Definitions

This chapter of GB/T 17466.1-2019 applies to this document after adding the following terms and definitions.

### 3.101

A mounting box intended for suspending the load and receiving the suspending device.

### 3.102

Suspension device suspension means

The unit consists of any necessary parts (hooks, brackets, etc.) that can be used in combination with the mounting box and enclosure or alone (see

Figure 101).

## 4 General requirements

This chapter of GB/T 17466.1-2019 applies.

## 5 General notes on the test

This chapter of GB/T 17466.1-2019 applies.

## 6 Rating

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