

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Boxes and enclosures for electrical accessories for household and similar fixed electrical installations –  
Part 1: General requirements**

**Boîtes et enveloppes pour appareillage électrique pour installations électriques fixes pour usages domestiques et analogues –  
Partie 1: Règles générales**



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## FOREWORD

This amendment has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories.

The text of this amendment is based on the following documents:

FDIS	Report on voting
23B/981/FDIS	23B/991/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## CONTENTS

*Add, in the list of contents, the following new titles:*

### **11.3 Boxes or enclosures with removable sides according to 7.1.2**

### **11.4 Earthing terminal threads**

*Replace the title of Subclause 12.1.3 by the following new title:*

### **12.1.3 Non screw-type fixing operable with the use of a tool or a key**

*Replace the titles of Subclause 12.8 by the following:*

### **12.8 Knock-outs intended to be removed by mechanical impact**

#### **12.8.1 General**

#### **12.8.2 Knock-out retention**

#### **12.8.3 Knock-out removal**

#### **12.8.4 Flat surfaces surrounding knock-outs**

*Replace the title of Subclause 12.10 by the following:*

### **12.10 Fixing of boxes and enclosures classified according to 7.2.1.1 and 7.2.1.2**

*Replace the title of Subclause 12.12 by the following:*

## 12.12 Fixing of boxes and enclosures classified according to 7.7.2

*Add the following new titles:*

### 12.15 Internal volume of boxes and enclosures

#### 16.3.1 Mechanical strength

#### 16.3.2 Parts of insulating material necessary to retain parts of the earthing circuit

*Replace the title of Figure 4 by the following:*

**Figure 4 – Volume measurement** (see 12.15)

*Replace the title of Figure 5 by the following:*

**Figure 5 – Test wall** (see 13.3.2)

*Replace the title of Figure 7 by the following:*

**Figure 7 – Mounting block for flush type boxes and enclosures in order to apply blows on the rear surface** (See 15.3)

*Replace the title of Figure 9 by the following:*

**Figure 9 – Height of fall for blows for part A** ( See 15.3)

*Replace the title of Figure 19 by the following:*

**Figure 19 – Test according to 12.12.3**

*Add the following new titles:*

**Figure 22 – Example of mounting block for boxes to be embedded in masonry (flush type and semi-flush type) according to 12.10**

**Figure 23 – Example of the fixing of the auxiliary device mounted on a specimen according to 12.10**

**Figure 24 – Example of test apparatus for the test according to 12.10**

**Figure 25 – Example of the protected volume** (See 13.3.4)

**Figure 26 – Demonstration of the non-penetration of the internal volume**

## 2 Normative references

*Add the following new reference:*

IEC 62444:2010, *Cable glands for electrical installations*

### 3 Definitions

#### 3.10 cable gland

*Replace the definition of 3.10 by the following:*

a device designed to permit the entry of a cable, flexible cable or insulated conductor into an enclosure, and which provides sealing and retention. It may also provide other functions such as earthing, bonding, insulation, cable guarding, strain relief or a combination of these

*Add the following new definition after Definition 3.19:*

#### 3.20 blanking-plug

a blanking-plug is a component used to close an open inlet or an open knock out

#### Table 1 – Classification of boxes and enclosures

*Add the following new row after the row concerning 7.7:*

7.8 The provision for fixing accessories to boxes	7.8.1 Boxes supplied with screws
	7.8.2 Boxes intended to receive screws
	7.8.3 Boxes intended to receive claws
	7.8.4 Boxes intended to receive other means

### 8 Marking

#### 8.1

*Move item e) after the third paragraph, before the paragraph commencing with “The following information...”.*

*Add the following NOTE after 8.1 e):*

NOTE In the following country the marking of the type reference is not used: UK.

*Replace the reference to 12.12.5 in 8.1i) by 12.15.*

#### 8.2

*Replace NOTE 1 by the following:*

NOTE 1 Marking made by moulding, pressing or engraving is considered durable and is therefore not subjected to this test.

### 10 Protection against electric shock

*Replace the existing text by the following:*