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SIST EN 60670-23:2009

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60670-23

December 2008

ICS 29.120.10

English version

**Boxes and enclosures for electrical accessories for
household and similar fixed electrical installations -
Part 23: Particular requirements for floor boxes and enclosures
(IEC 60670-23:2006, modified)**

Boîtes et enveloppes pour appareillage
électrique pour installations électriques
fixes pour usages domestiques
et analogues -
Partie 23: Règles particulières
pour les boîtes et enveloppes de sol
(CEI 60670-23:2006, modifiée)

Dosen und Gehäuse
für elektrische Installationsgeräte
für Haushalt und ähnliche ortsfeste
elektrische Installationen -
Teil 23: Besondere Anforderungen
für Unterflurdosen
(IEC 60670-23:2006, modifiziert)

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This European Standard was approved by CENELEC on 2008-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 60670-23:2006, prepared by SC 23B, Plugs, socket-outlets and switches, of IEC TC 23, Electrical accessories, together with the common modifications prepared by the Technical Committee CENELEC TC 23BX, d.c. plugs and socket outlets and switches for household and similar fixed electrical installations, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 60670-23 on 2008-11-01.

EN 60670-23:2008, which specifies particular requirements for floor boxes, is to be used in conjunction with EN 60670-1:2005.

EN 60670-23:2008 supplements or modifies the corresponding clauses of EN 60670-1. Where a particular clause or subclause of Part 1 is not mentioned in this Part 23, that clause or subclause applies as far as is reasonable. Where this Part 23 states “add”, “replace” or “delete”, the relevant text of Part 1 is to be adapted accordingly.

Subclauses, figures, tables or notes which are additional to those in Part 1 are numbered starting from 101.

In this standard, the following print types are used:

- requirements proper: in roman type;
- *test specifications: in italic type;*
- notes: in smaller roman type.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement **SIST EN 60670-23:2009** (dop) 2009-11-01
<https://standards.iteh.ai/catalog/standards/sist/48a1efed-5e45-413d-a7d6-60670-23-2009>
- latest date by which the national standards conflicting with the EN have to be withdrawn **EN 60670-23:2009** (dow) 2011-11-01

Annex ZB has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 60670-23:2006 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

1 Scope

Replace the whole Clause 1 by:

1 Scope

This clause of Part 1 is applicable except as follows:

Addition after the fourth paragraph:

This standard applies to floor boxes and floor enclosures.

The flush floor boxes and flush floor enclosures are intended to protect accessories against load up to and including 1 000 N.

NOTE Outdoor requirements are under consideration.

7 Classification

7.2 Delete the note.

7.2.101.3 Add the following note:

NOTE The IP X4 rating is fulfilled with the lid, if any, closed and without any cables connected.

12 Construction

12.101 Add at the end of the compliance sentence:

"and by the test of 13.2".

13 Resistance to ageing, protection against ingress of solid objects and against harmful ingress of water

13.3.101 Delete the first sentence.

Add the following at the end of the subclause:

Immediately after the test, there shall be no water in the box or enclosure.

15 Mechanical strength

15.101 Add at the end of the compliance paragraph:

"There shall be no damage neither to the means supporting the box in the floor nor to the lid."

Annex ZB (normative)

Special national conditions

Special national condition: National characteristic or practice that cannot be changed even over a long period, e.g. climatic conditions, electrical earthing conditions.

NOTE If it affects harmonization, it forms part of the European Standard.

For the countries in which the relevant special national conditions apply these provisions are normative, for other countries they are informative.

<u>Clause</u>	<u>Special national condition</u>
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	Denmark
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13.3.101	Change the last paragraph in Subclause 13.3.101 to:
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The floor enclosure shall be mounted as instructed to a level surface of impermeable material with the lid(s), if any, closed and with plugs and connectors connected as in normal use. The mounting surface shall extend 50 mm in each direction from the perimeter of the floor box cover at its interface with the mounting surface.

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60670-23

Première édition
First edition
2006-04

**Boîtes et enveloppes pour appareillage électrique
pour installations électriques fixes
pour usages domestiques et analogues –**

**Partie 23:
Règles particulières pour les boîtes
et enveloppes de sol**

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**Boxes and enclosures for electrical accessories
for household and similar fixed electrical
installations –**

**Part 23:
Particular requirements for floor boxes
and enclosures**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

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Pour prix, voir catalogue en vigueur
For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**BOXES AND ENCLOSURES FOR ELECTRICAL ACCESSORIES FOR
HOUSEHOLD AND SIMILAR FIXED ELECTRICAL INSTALLATIONS –****Part 23: Particular requirements for floor boxes and enclosures**

FOREWORD

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International Standard IEC 60670-23 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories.

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

FDIS	Report on voting
23B/814/FDIS	23B/820/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.