

CONSOLIDATED VERSION

VERSION CONSOLIDÉE



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

Part 23: Particular requirements for floor boxes and enclosures

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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VERSION REDLINE



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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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This Consolidated version of IEC 60670-23 bears the edition number 1.1. It consists of the first edition (2006-04) [documents 23B/814/FDIS and 23B/820/RVD] and its amendment 1 (2016-02) [documents 23B/1199/FDIS and 23B/1204/RVD]. The technical content is identical to the base edition and its amendment.

In this Redline version, a vertical line in the margin shows where the technical content is modified by amendment 1. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

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

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

This part of IEC 60670 shall be used in conjunction with IEC 60670-1 ~~(2002)~~. It lists the changes necessary to convert that standard into a specific standard for floor boxes and enclosures.

In this publication, the following print types are used:

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

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

The IEC 60670 series comprises the following parts, under the general title *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations*:

- Part 1: General requirements
- Part 21: Particular requirements for boxes and enclosures with provision for suspension means
- Part 22: Particular requirements for connecting boxes and enclosures
- Part 23: Particular requirements for floor boxes and enclosures
- Part 24: Particular requirements for enclosures for housing protective devices and similar power consuming devices

The committee has decided that the content of the base publication and its amendment 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,
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- replaced by a revised edition, or
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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

1 Scope

This clause of Part 1 is applicable except as follows:

Addition after the fourth paragraph:

This standard applies to boxes and enclosures ~~intended to be installed in any kind of floor, and to protect accessories against load up to and including 1 000 N.~~

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

NOTE Outdoor requirements are under consideration.

2 Normative references

This clause of Part 1 is applicable.

3 Definitions

This clause of Part 1 is applicable with the following additions:

3.106

finished floor (for indoor application)

floor which carries the load and which is completed with or without a floor covering material such as carpet, tile, vinyl or wood

3.107

dry treatment of floor

process for cleaning and/or care by which the floor is treated without liquids or with only a small quantity of liquid. The required agents are applied and spread in such quantities that no pools are formed and soaking of the floor covering does not occur

NOTE Examples for dry treatment are: Sweeping with a broom or carpet-sweeper, vacuum cleaning, brushing, cleaning with a dry cleaning powder, dry shampoo treatment, wet shampooing of carpets, treatment with cleaning litter (liquid chemical cleaning agent on a solid material used as carrier, e.g. soaked sawdust, damp cloth, etc.).

3.108

wet treatment of floor

process for cleaning and/or care by which the floor is treated with liquid agents such that pools of liquid, or soaking of the floor covering for a brief period of time, cannot be excluded

NOTE Examples of wet treatment are: wet scrubbing, manual or mechanical wiping.

4 General requirements

This clause of Part 1 is applicable.