



SLOVENSKI STANDARD SIST EN 60670-21:2007

01-september-2007

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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

STANDARD PREVIEW
(standard preview)

Dosen und Gehäuse für elektrische Installationsgeräte für Haushalt und ähnliche ortsfeste elektrische Installationen -- Teil 21: Besondere Anforderungen für Dosen und Gehäuse mit Aufhängemitteln

[SIST EN 60670-21:2007](https://standards.iteh.ai/catalog/standards/sist/41d7fa3d-58e3-4003-bad3-)

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Boîtes et enveloppes pour appareillage électrique pour installations électriques fixes pour usages domestiques et analogues -- Partie 21: Règles particulières concernant les boîtes et enveloppes avec dispositifs de suspension

Ta slovenski standard je istoveten z: EN 60670-21:2007

ICS:

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SIST EN 60670-21:2007

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60670-21:2007

<https://standards.iteh.ai/catalog/standards/sist/41d7fa3d-58e3-4003-bad3-95a4396f584d/sist-en-60670-21-2007>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60670-21

June 2007

ICS 29.120.99

English version

**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
(IEC 60670-21:2004, modified)**

Boîtes et enveloppes
pour appareillage électrique
pour installations électriques fixes
pour usages domestiques et analogues -
Partie 21: Règles particulières
concernant les boîtes et enveloppes
avec dispositifs de suspension
(CEI 60670-21:2004, modifiée)

Dosen und Gehäuse
für elektrische Installationsgeräte
für Haushalt und ähnliche ortsfeste
elektrische Installationen -
Teil 21: Besondere Anforderungen
für Dosen und Gehäuse
mit Aufhängemitteln
(IEC 60670-21:2004, modifiziert)

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<https://standards.iteh.ai/catalog/standards/sist/41d7fa3d-58e3-4003-bad3-95a4396f584d/sist-en-60670-21-2007>

This European Standard was approved by CENELEC on 2007-03-01. 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 60670-21:2004, 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 23B, Switches for household and similar fixed electrical installations, was submitted to the formal vote and was approved by CENELEC as EN 60670-21 on 2007-03-01.

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 (dop) 2008-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-03-01

This European Standard shall be used in conjunction with EN 60670-1:2005. It lists the changes necessary to convert that standard into a specific standard for boxes and enclosures with provision for suspension means.

When a particular subclause of Part 1 is not mentioned in this part, that subclause applies as far as reasonable.

iTeh STANDARD PREVIEW

In this document, the following print types are used:

- requirements proper: in roman type, (standards.iteh.ai)
- *test specifications: in italic type;* [SIST EN 60670-21:2007](#)
- notes: in smaller roman type, [standards.iteh.ai/catalog/standards/sist/41d7fa3d-58e3-4003-bad3-95a4396f584d/sist-en-60670-21-2007](#)

Subclauses, figures, tables or notes which are additional to those in Part 1 are numbered starting from 101, table footnotes additional to those in Part 1 are lettered aa, bb, etc.

Subclauses, figures, tables or notes which are additional to those in IEC 60670-21:2004 are prefixed 'Z'.

Annex ZB has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60670-21:2004 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

8 Marking

8.1 **Delete** NOTE 1 and NOTE 2.

10 Protection against electric shock

Replace the text as follows:

This clause of Part 1 is applicable with the following addition.

10.Z101 Metal parts of suspension means inside the enclosure shall either be

- protected by additional insulation complying with tests made by insulating linings or insulating barriers fixed to the suspension means or to the body of the box or enclosure,

or

- reliably connected through a low resistance connection to the earthing means complying with requirements in 11.1.1 when fitted as for normal use.

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15 Mechanical strength

15.101.1 **Delete** NOTES 1, 2 and 3.

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.

Clause Special national condition

8.1 **Denmark**

The marking in kg shall reflect a safety factor of 5 times.

8.1 **Finland, Norway, Sweden**

The marking in kg reflects a safety factor as follows:

- 5 times for boxes with components supporting the load classified according to 7.1.1 or 7.1.3;
- 2,5 times for boxes with components supporting the load classified according to 7.1.2.

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15.101.1 **Denmark** <https://standards.iteh.ai/catalog/standards/sist/41d7fa3d-58e3-4003-bad3-95a4396f584d/sist-en-60670-21-2007>

The force Y corresponds to 5 times the marking in kg as required in 8.1, item k).

15.101.1 **Finland, Norway, Sweden**

The force Y corresponds to the following marking in kg as required in 8.1, item k):

- 5 times for boxes with components supporting the load classified according to 7.1.1 or 7.1.3;
- 2,5 times for boxes with components supporting the load classified according to 7.1.2.

15.101.1 **Netherlands**

The test of this clause shall be carried out at $(80 \pm 2) ^\circ\text{C}$ instead of $(90 \pm 2) ^\circ\text{C}$.

15.101.1 **United Kingdom**

There is no requirement for all boxes and enclosures for suspension means to withstand 250 N and no requirement for non-metallic boxes and enclosures to withstand $90 ^\circ\text{C}$.

15.101.2 **United Kingdom**

There is no requirement for all suspension means to withstand 100 N.

**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

60670-21

Première édition
First edition
2004-04

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

Partie 21:

**Règles particulières concernant les boîtes
et enveloppes avec dispositifs de suspension**

**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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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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For price, see current catalogue

CONTENTS

FOREWORD.....	5
1 Scope.....	9
2 Normative references	9
3 Definitions	9
4 General requirements	9
5 General notes on tests	9
6 Ratings.....	9
7 Classification.....	11
8 Marking	11
9 Dimensions	11
10 Protection against electric shock	11
11 Provision for earthing	11
12 Construction	13
13 Resistance to ageing, protection against ingress of solid objects and against harmful ingress of water	13
14 Insulation resistance and electric strength	13
15 Mechanical strength	13
16 Resistance to heat.....	17
17 Creepage distances, clearances and distances through sealing compound	17
18 Resistance of insulating material to abnormal heat and to fire	17
19 Resistance to tracking	17
20 Resistance to corrosion	17
21 Electromagnetic compatibility	17
Figure 101 – Examples of suspension means	19
Figure 102 – Inclined ceiling test	21

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**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**

FOREWORD

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International Standard IEC 60670-21 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories.