



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60670-22:2006

ICS 29.120.10

**BOXES AND ENCLOSURES FOR
ELECTRICAL ACCESSORIES FOR
HOUSEHOLD AND SIMILAR FIXED
ELECTRICAL INSTALLATIONS -- PART 22:
PARTICULAR REQUIREMENTS FOR
CONNECTING BOXES AND ENCLOSURES
(IEC 60670-22:2003 (MOD))**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60670-22

December 2006

ICS 29.120.10

English version

**Boxes and enclosures for electrical accessories
for household and similar fixed electrical installations
Part 22: Particular requirements
for connecting boxes and enclosures
(IEC 60670-22:2003, modified)**

Boîtes et enveloppes pour appareillage
électrique pour installations électriques
fixes pour usage domestique et analogue
Partie 22: Règles particulières concernant
les boîtes et enveloppes de connexion
(CEI 60670-22:2003, modifiée)

Dosen für Installationsgeräte
für Haushalt und ähnliche ortsfeste
elektrische Installationen
Teil 22: Besondere Anforderungen
für Verbindungsdosen
(IEC 60670-22:2003, modifiziert)

This European Standard was approved by CENELEC on 2006-07-01. 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, 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 60670-22:2003, 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 CENELEC Unique Acceptance Procedure and approved on 2005-08-26.

However, due to some omissions in the text and taking into account the comments submitted by National Committees during the voting period, the CLC/TC 23B Secretary asked BT not to ratify the document. A new draft was submitted to the formal vote and was approved by CENELEC as EN 60670-22 on 2006-07-01.

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) 2007-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2009-07-01

This Part 22, which specifies particular requirements for connecting boxes and enclosures, is to be used in conjunction with EN 60670-1:2005. This Part 22 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 22, that clause or subclause applies as far as is reasonable. Where this Part 22 states “add”, “replace” or “delete”, the relevant text of Part 1 is to be adapted accordingly.

Annexes ZA and ZB have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60670-22:2003 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

2 Normative references

Replace the reference to IEC 60999-1 by:

IEC 60999 (series), *Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units*

3 Definitions

3.107 Replace by:

3.107

terminal

conductive part of one pole comprising one or more clamping unit(s) and insulation if necessary

4 General requirements

Replace the text by:

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

Terminals and connecting devices incorporated in connecting boxes shall comply with the requirements of the EN 60998 series; integrated clamping units shall comply with the requirements of the EN 60999 series.

6 Ratings

6.1 Replace by:

6.1 The preferred values of the rated voltage of the integrated or incorporated connecting devices are 250 V, 300 V, 400 V, 500 V, 600 V, 690 V, 800 V, 1 000 V a.c. and 1 500 V d.c.

6.2 Delete notes 1, 2, 3 and 4.

8 Marking

8.1 Add the following paragraph after m):

The information l) and m) are optional for boxes classified according to 7.101.4.

8.101 Replace the second line by :

Rated connecting capacity..... mm² or □

17 Creepage distances, clearances and distances through sealing compound

Add after the first paragraph:

This test does not apply to boxes for floating terminals or connecting devices classified according to 7.101.4.

Delete the last but one paragraph.

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