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ELEKTRIPAIGALDISTE ELEKTRISEADMEKASTID JA -
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-ÜMBRISTELE**

**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 +
IEC 60670-22:2003/A1:2015)**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN 60670-22:2007+A1+A11:2024 sisaldab Euroopa standardi EN 60670-22:2006 ja selle muudatuste A1:2024 ja A11:2024, ingliskeelset teksti.	This Estonian standard EVS-EN 60670-22:2007+A1+A11:2024 consists of the English text of the European standard EN 60670-22:2006 and its amendments A1:2024 and A11:2024.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas. Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 17.01.2007, muudatused A1 30.08.2024 ja A11 30.08.2024.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation. Date of Availability of the European standard is 17.01.2007, for A1 30.08.2024 and A11 30.08.2024.
Muudatusega A1 lisatud või muudetud teksti algus ja lõpp on tekstis tähistatud sümbolitega $\boxed{A1}$ $\langle A1 \rangle$. Muudatusega A11 lisatud või muudetud teksti algus ja lõpp on tekstis tähistatud sümbolitega $\boxed{A11}$ $\langle A11 \rangle$. Selles standardis on rahvusvahelise standardi ühismuudatused tähistatud püstkriipsuga teksti vasakul veerisel. Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.	The start and finish of text introduced or altered by amendment A1 is indicated in the text by tags $\boxed{A1}$ $\langle A1 \rangle$. The start and finish of text introduced or altered by amendment A11 is indicated in the text by tags $\boxed{A11}$ $\langle A11 \rangle$. In this document, the common modifications to the International Standard are indicated by a vertical line in the left margin of the text. The standard is available from the Estonian Centre for Standardisation and Accreditation.

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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 + IEC 60670-22:2003/A1:2015)**

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 + IEC 60670-
22:2003/A1:2015)

Dosen und Gehäuse für elektrische Installationsgeräte für
Haushalt und ähnliche ortsfeste elektrische Installationen -
Teil 22: Besondere Anforderungen für Verbindungsdosen
(IEC 60670-22:2003, modifiziert + IEC 60670-
22:2003/A1:2015)

This European Standard was approved by CENELEC on 2006-07-01. Amendment A1 was approved by CENELEC on 2024-07-29. Amendment A11 was approved by CENELEC on 2024-07-29. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard and its amendments the status of a national standard without any alteration.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 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.

A1 Amendment A1 European foreword

This document (EN 60670-22:2006/A1:2024) consists of the text of IEC 60670-22:2003/A1:2015 prepared by IEC/SC 23B "Plugs, socket-outlets and switches" of IEC/TC 23 "Electrical accessories".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2025-07-29
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2027-07-29

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This part of EN 60670 is read in conjunction with EN IEC 60670-1:2021 and EN IEC 60670-1:2021/A11:2021. It lists the changes necessary to convert that standard into a specific standard for connecting boxes and enclosures.

This document is read in conjunction with EN 60670-22:2006/A11:2024.

This document has been prepared under a standardization request addressed to [the relevant ESO] by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of EN 60670-22:2006/A11:2024.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60670-22:2003/A1:2015 was approved by CENELEC as a European Standard without any modification. **A1**

A11 Amendment A11 European foreword

This document (EN 60670-22:2006/A11:2024) has been prepared by CLC/TC 23BX "Switches, boxes and enclosures for household and similar purposes, plugs and socket outlet for D.C."

The following dates are fixed:

- latest date by which this document has to be (dop) 2025-07-29 implemented at national level by publication of an identical national standard or by endorsement
- latest date by which the national standards (dow) 2027-07-29 conflicting with this document have to be withdrawn

This document amends EN 60670-22:2006/A1:2024.

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This Part 22 is read in conjunction with EN IEC 60670-1:2021 and EN IEC 60670-1:2021/A11:2021. It lists the changes necessary to convert that standard into a specific standard for connecting boxes and enclosures.

This document has been prepared under a Standardization Request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For relationship with EU Legislation, see informative Annex ZZ, which is an integral part of this document.

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VERSION CONSOLIDÉE



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

Part 22: Particular requirements for connecting boxes and enclosures

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



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
Fax: +41 22 919 03 00
info@iec.ch
www.iec.ch

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CONSOLIDATED VERSION

VERSION CONSOLIDÉE



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

Part 22: Particular requirements for connecting boxes and enclosures

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

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**BOXES AND ENCLOSURES FOR ELECTRICAL ACCESSORIES FOR
HOUSEHOLD AND SIMILAR FIXED ELECTRICAL INSTALLATIONS –****Part 22: Particular requirements for connecting boxes and enclosures**

FOREWORD

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International Standard IEC 60670-22 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 standard shall be used in conjunction with IEC 60670-1. It lists the changes necessary to convert that standard into a specific standard for connecting boxes and enclosures.

In this publication:

- a) the following print types are used:
 - requirements proper: in roman type.
 - *test specifications: in italic type.*
 - notes: in smaller roman type.
- b) subclauses, figures or tables which are additional to those in Part 1 are numbered starting from 101.

Annex AA and Annex BB are for information only.

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Amendment A1 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/1174/FDIS	23B/1182/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.

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BOXES AND ENCLOSURES FOR ELECTRICAL ACCESSORIES FOR HOUSEHOLD AND SIMILAR FIXED ELECTRICAL INSTALLATIONS –

Part 22: Particular requirements for connecting boxes and enclosures

1 Scope

This clause of Part 1 applies with the following addition:

Add after the fourth paragraph:

This standard applies to connecting boxes for junction(s) and/or tapping(s).

NOTE Unless otherwise stated, throughout the document the term “boxes” also applies to “enclosures”.

2 Normative references

This clause of Part 1 applies with the following addition:

Ⓐ₁₁ IEC 60998-1:2002, *Connecting devices for low-voltage circuits for household and similar purposes - Part 1: General requirements*

IEC 60998-2-1:2002, *Connecting devices for low-voltage circuits for household and similar purposes - Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units*

IEC 60998-2-2:2002, *Connecting devices for low-voltage circuits for household and similar purposes - Part 2-2: Particular requirements for connecting devices as separate entities with screwless-type clamping units*

IEC 60998-2-3:2002, *Connecting devices for low-voltage circuits for household and similar purposes - Part 2-3: Particular requirements for connecting devices as separate entities with insulation-piercing clamping units*

IEC 60998-2-4:2004, *Connecting devices for low-voltage circuits for household and similar purposes - Part 2-4: Particular requirements for twist-on connecting devices* Ⓐ₁₁

Ⓐ₁₁ *deleted text* Ⓐ₁₁

3 Definitions

This clause of Part 1 applies with the following additions:

3.101

connecting box

junction box

box allowing connection of conductors

3.101.1

junction connecting box

connecting box allowing connection of one or more junctions