



SLOVENSKI STANDARD
oSIST prEN IEC 61084-2-3:2023
01-februar-2023

Sistemi kabelskih korit in sistemi kabelskih cevi za električne inštalacije - 2-3. del: Posebne zahteve - Utorski sistemi kabelskih korit za inštalacije v priključnih omaricah

Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 2-3: Besondere Anforderungen an Verdrahtungskanäle zum Einbau in Schaltschränke

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-3: Exigences particulières - Systèmes de goulottes de câblage pour installation dans les armoires

Ta slovenski standard je istoveten z: prEN IEC 61084-2-3:2022

ICS:

29.120.10	Inštalacijske cevi za električne namene	Conduits for electrical purposes
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN IEC 61084-2-3

December 2022

ICS 29.060.01; 29.120.10

Will supersede EN 50085-2-3:2010

English Version

**Cable trunking systems and cable ducting systems for electrical installations - Part 2-3: Particular requirements - Slotted cable trunking systems intended for installation in cabinets
(IEC 61084-2-3:2017)**

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-3: Exigences particulières - Systèmes de goulottes de câblage pour installation dans les armoires
(IEC 61084-2-3:2017)

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 2-3: Besondere Anforderungen an Verdrahtungskanäle zum Einbau in Schaltschränke
(IEC 61084-2-3:2017)

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2023-03-03.

The text of this draft consists of the text of IEC 61084-2-3:2017.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CENELEC 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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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

prEN IEC 61084-2-3:2022 (E)**European foreword**

This document (prEN IEC 61084-2-3:2022) consists of the text of document IEC 61084-2-3:2017, prepared by SC 23A "Cable management systems" of IEC/TC 23 "Electrical accessories".

This document is currently submitted to the Enquiry.

The following dates are proposed:

- latest date by which the existence of this document (doa) dor + 6 months
has to be announced at national level
- latest date by which this document has to be (dop) dor + 12 months
implemented at national level by publication of an
identical national standard or by endorsement
- latest date by which the national standards (dow) dor + 60 months
conflicting with this document have to be withdrawn
(to be confirmed or
modified when voting)

This document will supersede EN 50085-2-3:2010 and all of its amendments and corrigenda (if any).

This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of prEN IEC 61084-2-3:2022/prAA:2022.

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NORME INTERNATIONALE

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Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques – Partie 2-3: Exigences particulières – Systèmes de goulottes de câblage pour installation dans les armoires

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CABLE TRUNKING SYSTEMS AND CABLE DUCTING
SYSTEMS FOR ELECTRICAL INSTALLATIONS –****Part 2-3: Particular requirements – Slotted cable
trunking systems intended for installation in cabinets**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61084-2-3 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories.

This International standard is to be used in conjunction with IEC 61084-1:2017.

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

FDIS	Report on voting
23A/829/FDIS	23A/835/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.

This Part of the IEC 61084 series supplements or modifies the corresponding clauses of IEC 61084-1:2017 as follows:

- where no particular clause or subclause of IEC 61084-1 is mentioned, the corresponding clause or subclause applies as far as it is reasonable;
- where "addition", "modification" or "replacement" is stated, the relevant text of IEC 61084-1 is to be adapted accordingly;
- subclauses, figures and tables which are additional to those in IEC 61084-1 are numbered starting from 101.

In this standard, the following print types are used:

- requirements and definitions: roman type;
- *compliance statements: italic type.*

A list of all parts in the IEC 61084 series, published under the general title *Cable trunking and cable ducting systems for electrical installations*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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CABLE TRUNKING SYSTEMS AND CABLE DUCTING SYSTEMS FOR ELECTRICAL INSTALLATIONS –

Part 2-3: Particular requirements – Slotted cable trunking systems intended for installation in cabinets

1 Scope

This part of the IEC 61084 series specifies requirements and tests for cable trunking systems (CTS) and cable ducting systems (CDS) intended for the accommodation, and where necessary for the electrically protective separation, of insulated conductors, cables and possibly other electrical equipment in electrical and/or communication systems installations. The maximum voltage of these installations is 1 000 V AC and 1 500 V DC.

Slotted cable trunking systems are intended for mounting inside cabinets in electrical and/or communication system installations.

This document does not apply to conduit systems, cable tray systems, cable ladder systems, power track systems or equipment covered by other standards.

NOTE Wherever reference is made in this document to IEC 61084-1:2017, this does not apply to cable ducting systems.

2 Normative references

This clause of Part 1 is applicable, except as follows:

Addition:

IEC 60228:2004, *Conductors of insulated cables*

IEC 60695-11-5:2004, *Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance*¹

IEC 61084-1:2017, *Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements*

3 Terms and definitions

This clause of Part 1 is applicable, except as follows:

Addition:

3.101

slotted cable trunking system

system comprising a slotted trunking length and possibly other slotted cable trunking system components for the accommodation and laying in of insulated conductors or cables intended for use in a cabinet or similar

¹ This publication was withdrawn.

3.102**slotted cable trunking system component**

part of the system which includes

- a) slotted trunking length;
- b) trunking fitting;
- c) fixing device;
- d) system accessory

Note 1 to entry: The above mentioned system components are not necessarily included all together in a system. Different combinations of system components can be used.

3.103**slotted trunking length**

trunking length with slotted walls and with cover(s) which may be integral part of the base and/or may be slotted

3.104**slotted wall**

wall with openings allowing cables to pass through

Note 1 to entry: The openings can be with open or closed boundary and may have different shapes, normally designed to maintain wiring in position.

3.105**wall finger**

part of a slotted wall between two consecutive slots with open boundary

3.106**break-out line**

line which may be available on the walls of a trunking length to facilitate the breaking of walls or parts thereof, such as a wall finger

4 General requirements

This clause of Part 1 is applicable, except as follows:

Replacement:

Slotted cable trunking systems shall be so designed and constructed that where required they ensure reliable support, accommodation and segregation of the insulated conductors and/or cables contained therein.

Equipment associated with or incorporated in a system component but which is not a system component, shall and need only comply with the relevant standard of this equipment, if any. However it may be necessary to include such equipment in a test arrangement for the purpose of testing its interface with the slotted cable trunking system.

Compliance is checked by carrying out all the tests specified.

5 General conditions for tests

This clause of Part 1 is applicable.

6 Classification

This clause of Part 1 is applicable, except as follows.

6.2 According to resistance to impact for installation and application

Not applicable.

6.1 According to temperatures

Table 2 of Part 1 is not applicable.

6.5 According to electrical continuity characteristic

Not applicable.

6.6 According to electrical insulating characteristic

Not applicable.

6.7 According to degrees of protection provided by enclosure according to IEC 60529:1989

Not applicable.

6.9 According to the system access cover retention

Not applicable.

Additional subclauses:

6.101 According to the intended installation positions

6.101.1 Mounted on vertical or horizontal surface

6.101.2 Mounted on vertical or horizontal surface except in a cover down position

7 Marking and documentation

This clause of Part 1 is applicable.

8 Dimensions

This clause of Part 1 is applicable, except as follows.

Additional subclause:

8.101 The preferred solution for fixing holes, if any, in the base of the slotted trunking lengths according to the different trunking widths as shown in Figure 101 is as follows:

- trunking lengths with a nominal width less or equal to 12,5 mm should preferably have one row of small holes only, as shown in Figure 102 b);
- trunking lengths with a nominal width greater than 12,5 mm and less or equal to 62,5 mm, should preferably have one row of holes only, alternately as shown in Figure 102 a) and in Figure 102 b);
- trunking lengths with a nominal width greater than 62,5 mm should preferably have two or more rows of holes alternately as shown in Figure 102 a) and in Figure 102 b), positioned