SLOVENSKI STANDARD

SIST EN 50085-2-1:2007/A1:2012

01-januar-2012

Sistemi kabelskih korit in sistemi kabelskih cevi za električne inštalacije - 2-1. del: Sistemi kabelskih korit in sistemi kabelskih cevi za montažo na stene in strope

Cable trunking systems and cable ducting systems for electrical installations - Part 2-1: Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 2-1: Besondere Anforderungen für Elektroinstallationskanalsysteme für Wand und Decke

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-1: Systèmes de goulottes et systèmes de conduits-profilés prévus pour être montés sur les murs et les plafonds

Ta slovenski standard je istoveten z: **EN 50085-2-1:2006/A1:2011**

ICS:

29.120.10	Inštalacijske cevi za električne namene	Conduits for electrical purposes

SIST EN 50085-2-1:2007/A1:2012 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50085-2-1/A1

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ICS 29.120.10

English version

Cable trunking systems and cable ducting systems for electrical installations - Part 2-1: Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings

Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques - Partie 2-1: Systèmes de goulottes et systèmes de conduits-profilés prévus pour être montés sur les murs et les plafonds

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 2-1: Besondere Anforderungen für Elektroinstallationskanalsysteme für Wand und Decke

This amendment A1 modifies the European Standard EN 50085-2-1:2006; it was approved by CENELEC on 2011-10-10. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CEN-CENELEC Management Centre or to any CENELEC member.

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CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Ref. No. EN 50085-2-1:2006/A1:2011 E

Foreword

This document (EN 50085-2-1:2006/A1:2011) has been prepared by the Technical Committee CENELEC TC 213, "Cable management systems".

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) 2012-10-10
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2014-10-10

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

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Text of A1 to EN 50085-2-1:2006

10.101 Compression test for CDS

Replacement:

CDS shall have adequate resistance to compression to ensure that insulated conductors or cables can be drawn in.

Compliance is checked by the following test:

The test is carried out on a ducting length (250 ± 5) mm long. The sample is positioned on a flat and horizontal steel support simulating the mounting surface, in its most unfavourable stable position allowed by the manufacturer's instruction.

NOTE In case of doubt over the most unfavourable position, more than one position can be tested.

A steel cube of (50 ± 0,5) mm with an edge radius of approximately 1 mm is placed with one face horizontal approximately in the middle of the length of the sample and in the most unfavourable position in the width of the sample. The distance D (Figure 109) between the horizontal support and the face of the cube in contact with the sample is measured as D1.

An increasing vertical compression force reaching within (30 ± 3) s the value according to 6.104 with a tolerance of $^{+4}_{0}$% is applied through the cube. The cube is only allowed to move in the vertical direction without rotation.

After the force has been applied for (60 ± 2) s, the distance D between the horizontal support and the face of the cube in contact with the sample is measured as D2 without removing the force.

The difference between D1 and D2 shall not exceed 25 % of D1.

The force and the cube are removed.

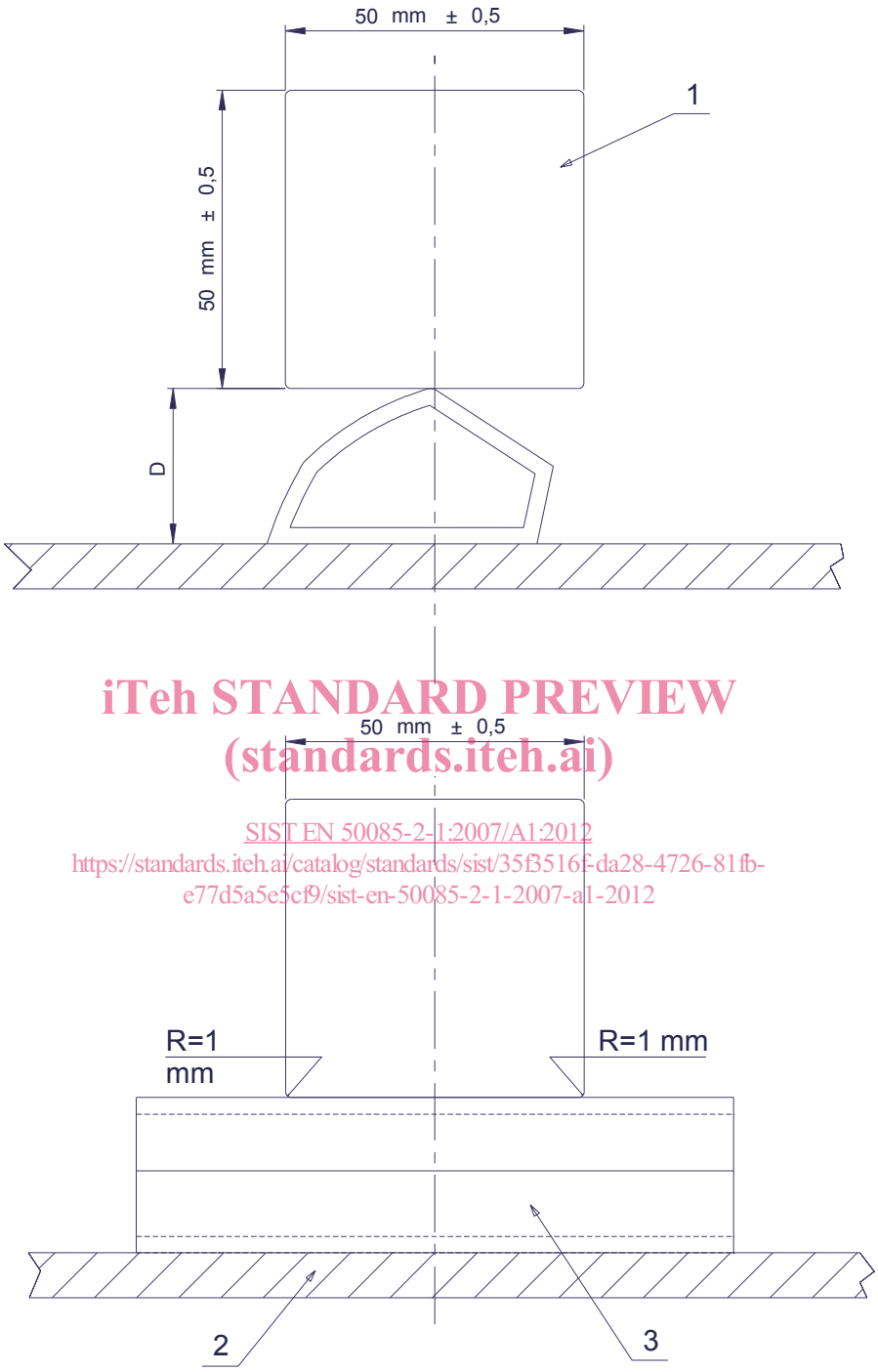
Within (15 ± 1) min after the removal of the cube, it is placed on the sample in its original horizontal position and the distance D between the horizontal support and the face of the cube coming into contact with the sample is measured as D3.

The difference between D1 and D3 shall not exceed 10 % of D1.

After the test, the sample shall show no cracks visible to normal or corrected vision without additional magnification.

Figure 109 - Example of arrangement for CDS compression test

Replacement:



Key

1 steel cube

2 flat steel support

3 sample

D distance between the horizontal support and the face of the cube in contact with the sample

Figure 109 - Example of arrangement for CDS compression test

***Add** the following annex*:

Annex D
(normative)

Compliance checks to be carried out for cable trunking systems and cable ducting systems intended for mounting on walls and ceilings complying with EN 50085-2-1:2006

This normative annex relates to changed requirements. It informs where compliance checks are not required and where compliance checks are required to be carried out in order that a cable trunking system or cable ducting system intended for mounting on walls and ceilings can be declared to meet the requirements of EN 50085-2-1:2006 and EN 50085-2-1:2006/A1:2011 if it already complies with EN 50085-2-1:2006.

Compliance with 10.101 “Compression test for CDS” is required for cable ducting systems only.

EN 50085-2-1:2006/A1:2011 is not applicable to cable trunking systems.