SLOVENSKI STANDARD
SIST EN 50085-1:2006/oprAA:2011

01-januar-2011

Sistemi kabelskih korit in sistemi kabelskih cevi za električne inštalacije - 1. del: Splošne zahteve

Cable trunking systems and cable ducting systems for electrical installations - Part 1: General requirements

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 1: Allgemeine Anforderungen

Systèmes de goulottes et de conduits profilés pour installations électriques - Partie 1: Règles générales

Ta slovenski standard je istoveten z: **EN 50085-1:2005/prAA:2010**

ICS:

29.120.10	Inštalacijske cevi za električne namene	Conduits for electrical purposes

SIST EN 50085-1:2006/oprAA:2011 **en,fr,de**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English version

Cable trunking systems and cable ducting systems for electrical installations - Part 1: General requirements

Systèmes de goulottes et de conduits profilés pour installations électriques - Partie 1: Règles générales

Elektroinstallationskanalsysteme für elektrische Installationen - Teil 1: Allgemeine Anforderungen

This draft amendment prAA, if approved, will modify the European Standard EN 50085-1:2005; it is submitted to CENELEC members for CENELEC enquiry.
Deadline for CENELEC: 2011-01-21.

It has been drawn up by CLC/TC 213.

If this draft becomes an amendment, 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.

This draft amendment 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 Central Secretariat 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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CENELEC
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Comité Européen de Normalisation Electrotechnique
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SIST EN 50085-1:2006/oprAA:2011

1 # Foreword

2 This draft amendment to the European Standard EN 50085-1:2005 was prepared by the Technical
3 Committee CENELEC TC 213, Cable management systems. It is submitted to the CENELEC enquiry.

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SIST EN 50085-1:2006/oprAA:2011

Text of FprAA to EN 50085-1:2005

3 Definitions

In Definition 3.13, **replace** the term and definition by:

"**non-flame propagating system component**
system component which can catch fire as a result of an applied flame, in which the resulting flame does not propagate and self extinguishes within a limited time after the applied flame is removed".

6 Classification

6.8 According to protection against corrosive or polluting substances

Replace subclauses 6.8.1 to 6.8.6 by “Under consideration.”.

7 Marking and documentation

In 7.1, **replace** the note by the following:

"Flame propagating system component shall be clearly marked on the system component as being flame propagating.

When it is not possible to have this marking on small system components, due to the small size of the item, it is sufficient to place this marking on the smallest supplied package.".

9 Construction

9.4 Mechanical connections

In 9.4.1, Table 4:

- **replace** “Torque for metal screws” by “Torque”;
- **replace** “Over 3“ by “Over 3,0“;
- **delete** NOTE 1 in its entirety;
- **replace** "NOTE 2" by "NOTE".

9.11 Internal protective partition

Replace “Under consideration.” by:

"**9.11.1** Internal protective partition of CTS/CDS declared according to 6.10.2 shall provide electrically protective separation between circuits in one compartment and circuits located in other compartments. The electrically protective separation shall be achieved by one of the following methods:

– supplementary insulation, or
– electrically protective screening.

9.11.2 Internal protective partition shall prevent unintentional physical contact between the separated circuits in normal use.

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Compliance is checked on assembly or assemblies made of one or more trunking lengths or ducting lengths of 250 mm ± 5 mm with the relevant system component, if any, to fulfil the various purposes of the system.

As a general requirement, the maximum straight length of any gap in the partition shall be less than 12,5 mm, unless any gap having a straight length of at least 12,5 mm has a width measured perpendicularly to this length smaller than 2,5 mm. When cable retainers are provided and requested to be installed with a 500 mm maximum distance between cable retainers, the maximum width of the gap between the partition and the cover can be more than 2,5 mm but shall be smaller than 3,5 mm.

Compliance is checked by using a straight rigid test probe as shown in Figure 10. The probe is applied with a force of (3,0 ± 0,3) N in every possible position, if necessary after cutting the sample apart in areas which do not contribute to separation.

NOTE Separation by labyrinth is under consideration.

The full cross section of the probe shall not enter from one compartment to a separated compartment.

In situations where circuits from separated compartments cross each other (e.g. T diversion), the following exception is permitted.

A system component is provided and its use is required by the manufacturer's instructions to prevent unintentional physical contact between the separated circuits in normal use.

When this exception is used care should be taken that the physical contact between the circuits which do not cross each other from separated compartments is still prevented.

For the exception, compliance is checked by inspection.

9.11.3 Parts providing electrically protective separation by electrically protective screening shall be provided with means for earthing and have adequate electrical continuity.

Compliance is checked by the test of 11.1.

9.11.4

Parts providing electrically protective separation by supplementary insulation shall have adequate solid insulation.

Compliance is checked by the test of 11.2.".

10.6 System access cover retention

Replace the whole sub-clause by:

"10.6 System access cover retention

Access cover of system components of systems classified according to 6.9.2 shall not be capable of being opened without a tool.

Compliance is checked by the following test.

Before the test, non-metallic system components and composite system components are aged.

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The test is carried out on an assembly made of one or more trunking lengths or ducting lengths with the relevant system component, if any, to fulfil the various functions of the system and prepared according to the manufacturer's instructions. More than one assembly may be necessary to fulfil the various functions of the system. In each direction, the length L of trunking length or ducting length coming out of the functional area associated with the function of the system is as long as the width W of the trunking length or ducting length, or 250 mm, whichever is the greater. The tolerance of L is ± 25 mm.

NOTE 1 Functional area refers, for example, to a fitting, an apparatus mounting device, a junction as shown in Figure 11.

The samples are mounted on a rigid smooth support such as a plywood board 16 mm thick, with a 50 mm minimum spacing between the assembly and the edge of the support.

NOTE 2 Other system components may be included, if necessary, to prevent movements. These system components are the system components to terminate the trunking length or ducting length, if any. When there is no such system component, a system component chosen by the manufacturer is used.

Examples for arrangement are shown in Figure 12.

Before the test non metallic system components and composite components are aged at a temperature declared according to Table 3 for (168 ± 4) h continuously.

Without the use of a tool, reasonable manual effort is made to open the access cover. Reasonable effort is intended to simulate action and instinctive handling likely to occur.

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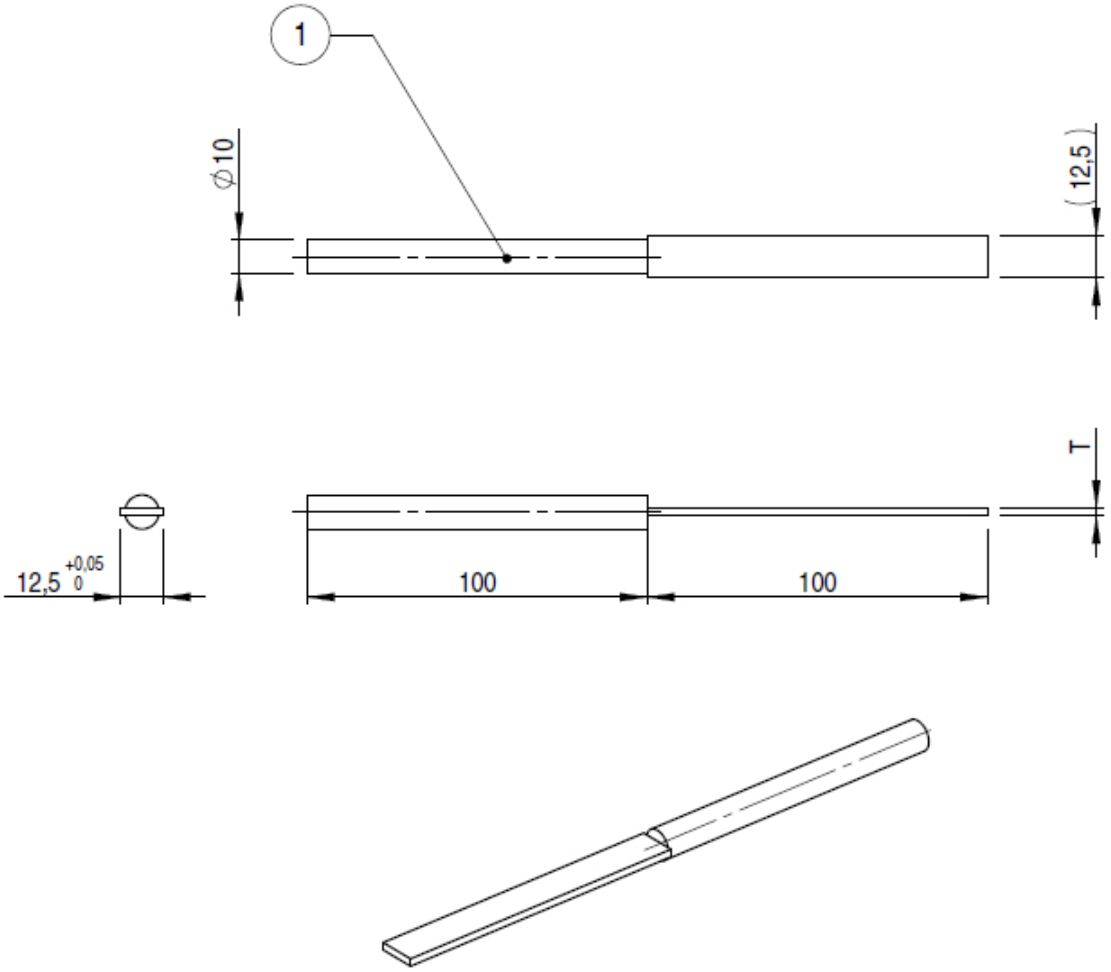
92 **Figures**

93 **Add** the following: "

94 Dimensions in millimetres



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Key

1 handle

T thickness $2,5^{+0,05}_{0}$ mm or $3,5^{+0,05}_{0}$ mm pending the use

97 **Figure 10 – Probe for test of internal protective partition**

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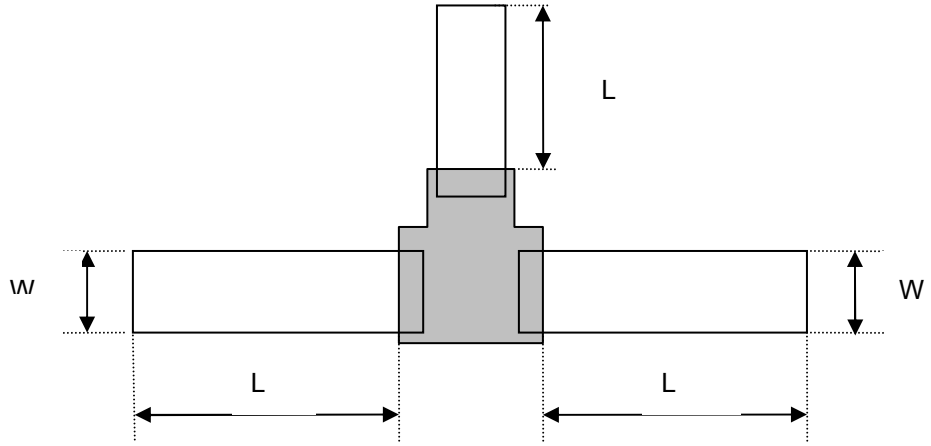

Figure 11a – Example with fitting

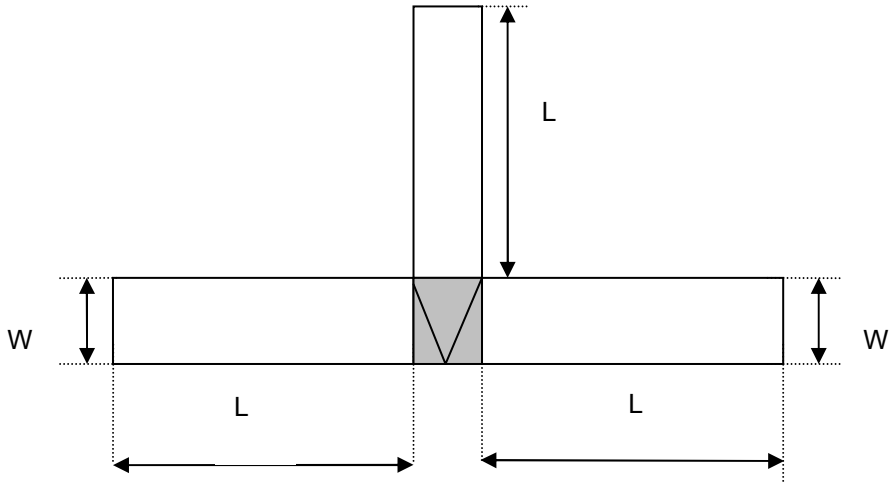

Figure 11b – Example without fitting

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Key

functional area associated with the function of the system (T derivation in this example)

W width of the trunking length

L maximum between W and 250 mm

101 **Figure 11 – Principles for arrangement**

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