



**SLOVENSKI STANDARD**  
**SIST HD 384.7.711 S1:2004**  
**01-februar-2004**

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**Električne inštalacije zgradb – 7-711. del: Zahteve za posebne inštalacije ali prostore – Razstave, predstave in stojnice (IEC 60364-7-711:1998, spremenjen)**

Electrical installations of buildings -- Part 7-711: Requirements for special installations or locations - Exhibitions, shows and stands

Elektrische Anlagen von Gebäuden -- Teil 7-711: Anforderungen für Betriebsstätten, Räume und Anlage besonderer Art - Ausstellungen, Shows und Stände

Installations électriques des bâtiments -- Partie 7-711: Règles pour les installations et emplacements spéciaux - Expositions, spectacles et stands

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**Ta slovenski standard je istoveten z: HD 384.7.711 S1:2003**

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**ICS:**

91.140.50	Sistemi za oskrbo z elektriko	Electricity supply systems
97.200.99	Druga oprema za razvedrilo	Other equipment for entertainment

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**en**

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HARMONIZATION DOCUMENT  
DOCUMENT D'HARMONISATION  
HARMONISIERUNGSDOKUMENT

**HD 384.7.711 S1**

July 2003

ICS 29.020; 91.140.50

English version

**Electrical installations of buildings**  
**Part 7-711: Requirements for special installations or locations -**  
**Exhibitions, shows and stands**  
(IEC 60364-7-711:1998, modified)

Installations électriques des bâtiments  
Partie 7-711: Règles pour les installations  
et emplacements spéciaux -  
Expositions, spectacles et stands  
(CEI 60364-7-711:1998, modifiée)

Elektrische Anlagen von Gebäuden  
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This Harmonization Document was approved by CENELEC on 2003-02-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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 60364-7-711:1998, prepared by IEC TC 64, Electrical installations and protection against electric shock, together with the common modifications prepared by SC 64B, Protection against thermal effects, of Technical Committee CENELEC TC 64, Electrical installations and protection against electric shock, was submitted to the formal vote and was approved by CENELEC as HD 384.7.711 S1 on 2003-02-01.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2003-08-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2004-02-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2006-02-01

Subclauses which are additional to those in IEC 60364-7-711 are prefixed “Z”.

In this Harmonization Document the common modifications to the International Standard are indicated by a vertical line in the left margin of the text.

Annexes designated „normative“ are part of the body of the standard.  
In this standard, Annexes ZA and ZB are normative.  
Annexes ZA and ZB have been added by CENELEC.

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## Introduction

The requirements of this part of IEC 60364 modify or replace certain of the general requirements of IEC 60364.

The clause numbering of part 7-711 follows the pattern and corresponding references of IEC 60364.

The numbers following the particular number of part 7-711 are those of the corresponding parts or clauses of IEC 60364.

The absence of reference to a part or a clause means that the general requirements of IEC 60364 are applicable.

Numbering in parentheses corresponds to the numbering of the “non restructured” IEC 60364 dated before 2002.

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## 711 Exhibitions, shows and stands

### 711.1 Scope, object and fundamental principles

#### 711.1.1 Scope

The particular requirements of this part of IEC 60364, in association with IEC 60364, parts 1 to 6, apply to the temporary electrical installations in exhibitions, shows and stands (including mobile and portable displays and equipment) to protect users.

Unless specifically stated, this part does not apply to exhibits for which requirements are given in the relevant standards.

This part does not apply to the fixed electrical installation of the building, if any, in which the exhibition, shows or stands may take place.

#### 711.1.2 Normative references

See Annex ZA.

### 711.2 Definitions

For the purpose of this part of IEC 60364, the following definitions apply.

#### 711.2.1 exhibition

event intended for the purpose of displaying and/or selling products etc., which can take place in any suitable location, either a room, building or temporary structure

#### 711.2.2 show

display or performance in any suitable location, either a room, building or temporary structure

#### 711.2.3 stand

area or temporary structure used for display, marketing, sales, entertainment etc.

#### 711.2.4 temporary structure

a unit or a part of a unit including mobile portable units, situated indoors or outdoors, designed and intended to be assembled and dismantled

#### 711.2.5 temporary electrical installation

electrical installation erected and dismantled at the same time as the stand or the display with which it is associated

#### 711.2.6 origin of the temporary electrical installation

point on the permanent installation or other source of supply from which electrical energy is delivered

**711.3 (711.30) Assessment of general characteristics****711.313 Supplies**

The nominal supply voltage of temporary electrical installations in exhibitions, shows and stands shall not exceed 230/400 a.c. or 500 V d.c.

**711.32 (711.5.512.2) Classification of external influences**

The external influence conditions of the particular location where temporary electrical installations are erected, e.g. presence of water, mechanical stresses, shall be taken into account.

**711.4 Protection for safety****711.41 Protection against electric shock****711.413 Protection against indirect contact****711.413.1 Protection by automatic disconnection of supply****711.413.1.3 TN system**

Where the type of system earthing is TN, the installation shall be TN-S.

[subclause 711.413.1.3.4 deleted]

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**711.413.1.6 Supplementary equipotential bonding**

[subclause 711.413.1.6.1 deleted]

**711.413.1.6.2** The extraneous-conductive-parts of a vehicle, wagon, caravan or container shall be bonded to the protective conductor of the installation in more than one place if the type of construction does not ensure continuity. The nominal cross-sectional area of conductors used for this purpose shall be not less than 4 mm<sup>2</sup> copper.

If the vehicle, wagon, caravan or container is made substantially of insulating material, these requirements do not apply to metal parts which are unlikely to become live in the event of a fault.

**711.42 Protection against thermal effects****711.42.01**

NOTE Attention is drawn to the increased risk of fire and burns in these locations and the need to comply with the requirements of IEC 60364-4-42.

**711.42.02** Where SELV or PELV is used, the protection of conductors shall be provided by insulation capable of withstanding a test voltage of 500 V a.c. for 1 min, or by barriers or enclosures affording a degree of protection of at least IP4X or IPXXD.



**711.462 (711.5.536.2) Isolation**

**711.462.5 (711.5.536.2.3)** Every separate temporary structure, such as a vehicle, a stand or a unit, intended to be occupied by one specific user and each distribution circuit supplying outdoor installations shall be provided with their own readily accessible and properly identifiable means of isolation. The means of isolation shall be selected and erected in accordance with IEC 60364-5-537, clause 537.2. Switches, circuit-breakers, residual current devices etc. considered suitable for isolation by the relevant IEC standards may be used.

**711.47 Application of protective measures for safety****711.471 Measures of protection against electric shock****711.471.1 (711.4.410.3.2.1) Protection against electric shock in normal service**

Protective measures against direct contact by means of obstacles (see IEC 60364-4-41, clause 412.3) and by placing out of reach (see IEC 60364-4-41, clause 412.4) shall not be used.

**711.471.2 (711.4.410.3.3) Protection against electric shock in case of a fault**

Protective measures against indirect contact by non-conducting location (see IEC 60364-4-41, clause 413.3) and by earth-free equipotential bonding (see IEC 60364-4-41, clause 413.4) shall not be used.

**711.48 Choice of protective measures as a function of external influences**

**711.481.3.1.3 (711.4.410.3.4.3)** Cables intended to supply temporary structures should be protected at their origin by residual current devices whose rated residual operating current does not exceed 300 mA. These devices shall provide a delay by using a device in accordance with IEC 60947-2, or be of the S-type in accordance with IEC 61008-1 or IEC 61009-1 for discrimination with RCDs protecting final circuits.

NOTE The recommendation for additional protection relates to the increased risk damage to cables in temporary locations.

**711.481.3.1.4 (711.4.410.3.4.3)** All circuits for socket-outlets rated up to 32 A and all final circuits other than for emergency lighting shall be protected by an RCD with a rated residual operating current not exceeding 30 mA.

**711.482 (711.4.422) Protection against fire**

**711.482.2.8 (711.4.422.3.8)** A motor which is automatically or remotely controlled and which is not continually supervised shall be fitted with a manual reset protective device against excess temperature.

**711.482.3.2 (711.4.422.4.2) Heat generation**

Lighting equipment such as incandescent lamps, spotlights and small projectors, and other equipment or appliances with high temperature surfaces shall be suitably guarded, and installed and located in accordance with the relevant standard. All such equipment shall be arranged well away from combustible material to prevent contact.

Showcases and signs shall be constructed of material having an adequate heat resistance, mechanical strength, electrical insulation and ventilation, taking into account the combustibility of exhibits in relation to the heat generation.