# IEC 60364-7-711

Edition 2.0 2018-03

# REDLINE VERSION

colour inside

**Low voltage electrical installations ~~of buildings~~ –**
**Part 7-711: Requirements for special installations or locations – Exhibitions, shows and stands**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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# LOW VOLTAGE ELECTRICAL INSTALLATIONS ~~OF BUILDINGS~~ –

# Part 7-711: Requirements for special installations or locations – Exhibitions, shows and stands

## 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.
2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
6) All users should ensure that they have the latest edition of this publication.
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8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
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**This Redline version is not an official IEC Standard and is intended only to provide the user with an indication of what changes have been made to the previous version. Only the current version of the standard is to be considered the official document.**

**This Redline version provides you with a quick and easy way to compare all the changes between this standard and its previous edition. A vertical bar appears in the margin wherever a change has been made. Additions are in green text, deletions are in strikethrough red text.**

International Standard IEC 60364-7-711 has been prepared by IEC technical committee 64: Electrical installations and protection against electric shock.

This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) in 711.3.1 and 711.3.2 addition of "outdoors" to the list of suitable locations;

b) alignment with IEC 60364-4-41.

The text of this International Standard is based on the following documents:

| FDIS | Report on voting |
|---|---|
| 64/2248/FDIS | 64/2260/RVD |

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60364 series, published under the general title *Low voltage electrical installations*, can be found on the IEC website.

The reader's attention is drawn to the fact that Annex A lists all of the “in-some-country” clauses on differing practices of a less permanent nature relating to the subject of this standard.

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

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

**IMPORTANT – The “colour inside” logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this publication using a colour printer.**

# 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.~~

For the purpose of this part of IEC 60364 (IEC 60364-7-711) the requirements of the general Parts 1 to 6 of IEC 60364 apply.

The IEC 60364-7-7XX parts of IEC 60364 contain particular requirements for special installations or locations which are based on the requirements of the general parts of IEC 60364 (IEC 60364-1 to IEC 60364-6). These IEC 60364-7-7XX parts are considered in conjunction with the requirements of the general parts.

The particular requirements of this part of IEC 60364 supplement, modify or replace certain of the requirements of the general parts of IEC 60364 being valid at the time of publication of this part. The absence of reference to the exclusion of a part or a clause of a general part means that the corresponding clauses of the general part are applicable (undated reference).

Requirements of other 7XX parts being relevant for installations covered by this part also apply. This part may therefore also supplement, modify or replace certain of these requirements valid at the time of publication of this part.

The clause numbering of this part follows the pattern and corresponding references of IEC 60364. The numbers following the particular number of this part are those of the corresponding parts, or clauses of the other parts of the IEC 60364 series, valid at the time of publication of this part, as indicated in the normative references of this document (dated reference).

If requirements or explanations additional to those of the other parts of the IEC 60364 series are needed, the numbering of such items appears as 711.101, 711.102, 711.103 etc.

In the case where new or amended general parts with modified numbering were published after this part was issued, the clause numbers referring to a general part in this 711 part may no longer align with the latest edition of the general part. Dated references should be observed.

# LOW VOLTAGE ELECTRICAL INSTALLATIONS ~~OF BUILDINGS~~ –

# Part 7-711: Requirements for special installations or locations – Exhibitions, shows and stands

## 711 Exhibitions, shows and stands

~~711.1 Scope, object and fundamental principles~~

### 711.1 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~~ of 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.~~

### 711.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

~~IEC 60038:1983, *IEC standard voltages*~~

~~IEC 60050(826):1982, *International Electrotechnical Vocabulary (IEV) – Chapter 826: Electrical installation of buildings*~~

~~IEC 60204-1:1992, *Electrical equipment of industrial machines – Part 1: General requirements*~~

~~IEC 60227-1:1993, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 1: General requirements*~~

~~IEC 60245-1:1994, *Rubber insulated cables of rated voltages up to and including 450/750 V – Part 1: General requirements*~~

~~IEC 60332-1:1993, *Tests on electric cables under fire conditions – Part 1: Test on a single vertical insulated wire or cable*~~

~~IEC 60332-3:1992, *Tests on electric cables under fire conditions – Part 3: Tests on bunched wires or cables*~~

~~IEC 60364-3:1993, *Electrical installations of buildings – Part 3: Assessment of general characteristics*~~

~~IEC 60364-4-41:1992, *Electrical installations of buildings – Part 4: Protection for safety – Chapter 41: Protection against electric shock*~~

~~IEC 60364-4-42:1980, *Electrical installations of buildings – Part 4: Protection for safety – Chapter 42: Protection against thermal effects*~~

~~IEC 60364-4-481:1993, *Electrical installations of buildings – Part 4: Protection for safety – Chapter 48: Choice of protective measures as a function of external influences – Section 481: Selection of measures for protection against electric shock in relation to external influences*~~

~~IEC 60364-5-537:1981, *Electrical installations of buildings – Part 5: Selection and erection of electrical equipment – Chapter 53: Switchgear and controlgear – Section 537: Devices for isolation and switching*~~

~~IEC 60364-5-54:1980, *Electrical installations of buildings – Part 5: Selection and erection of electrical equipment – Chapter 54: Earthing arrangements and protective conductors*~~

~~IEC 60364-6-61:1986, *Electrical installations of buildings – Part 6: Verification – Chapter 61: Initial verification*~~

~~IEC 60742:1983, *Isolating transformers and safety isolating transformers – Requirements*~~

~~IEC 60947-2:1995, *Low-voltage switchgear and controlgear – Part 2: Circuit-breakers*~~

~~IEC 61008-1:1990, *Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules*~~

~~IEC 61009-1:1991, *Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1: General rules*~~

~~IEC 61046:1993, *DC or a.c. supplied electronic step-down converters for filament lamps – General and safety requirements*~~

IEC 60227 (all parts), *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V*

IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*

IEC 60309-1, *Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements*

IEC 60309-2, *Plugs, socket-outlets and couplers for industrial purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories*

IEC 60332-1-1, *Tests on electric and optical fibre cables under fire conditions – Part 1-1: Test for vertical flame propagation for a single insulated wire or cable – Apparatus*

IEC 60332-3 (all parts), *Tests on electric and optical fibre cables under fire conditions – Part 3: Test for vertical flame spread of vertically-mounted bunched wires or cables*

IEC 60364-4-41:2005, *Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock*
IEC 60364-4-41:2005/AMD1:2017

IEC 60364-7-705, *Low-voltage electrical installations – Part 7-705: Requirements for special installations or locations – Agricultural and horticultural premises*

IEC 61034 (all parts), *Measurement of smoke density of cables burning under defined conditions*

IEC 61084 (all parts), *Cable trunking and ducting systems for electrical installations*

IEC 61386 (all parts), *Conduit systems for cable management*

IEC 61558 (all parts), *Safety of transformers, reactors, power supply units and combination thereof*

IEC 61347 (all parts), *Lamp controlgear*

# IEC 60364-7-711

Edition 2.0 2018-03

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Low voltage electrical installations –**
**Part 7-711: Requirements for special installations or locations – Exhibitions, shows and stands**

**Installations électriques a basse tension –**
**Partie 7-711: Exigences pour les installations ou emplacements spéciaux – Expositions, spectacles et stands**



IEC 60364-7-711:2018-03(en-fr)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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# Part 7-711: Requirements for special installations or locations – Exhibitions, shows and stands

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# LOW VOLTAGE ELECTRICAL INSTALLATIONS –

# Part 7-711: Requirements for special installations or locations – Exhibitions, shows and stands

## 711 Exhibitions, shows and stands

### 711.1 Scope

The particular requirements of this part of IEC 60364 apply to the temporary electrical installations of exhibitions, shows and stands (including mobile and portable displays and equipment).

### 711.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*

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IEC 60309-2, *Plugs, socket-outlets and couplers for industrial purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories*

IEC 60332-1-1, *Tests on electric and optical fibre cables under fire conditions – Part 1-1: Test for vertical flame propagation for a single insulated wire or cable – Apparatus*

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IEC 61386 (all parts), *Conduit systems for cable management*

IEC 61558 (all parts), *Safety of transformers, reactors, power supply units and combination thereof*

IEC 61347 (all parts), *Lamp controlgear*

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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# INSTALLATIONS ÉLECTRIQUES A BASSE TENSION –

## Partie 7-711: Exigences pour les installations ou emplacements spéciaux – Expositions, spectacles et stands

## AVANT-PROPOS

1) La Commission Electrotechnique Internationale (IEC) est une organisation mondiale de normalisation composée de l'ensemble des comités électrotechniques nationaux (Comités nationaux de l'IEC). L'IEC a pour objet de favoriser la coopération internationale pour toutes les questions de normalisation dans les domaines de l'électricité et de l'électronique. À cet effet, l'IEC – entre autres activités – publie des Normes internationales, des Spécifications techniques, des Rapports techniques, des Spécifications accessibles au public (PAS) et des Guides (ci-après dénommés "Publication(s) de l'IEC"). Leur élaboration est confiée à des comités d'études, aux travaux desquels tout Comité national intéressé par le sujet traité peut participer. Les organisations internationales, gouvernementales et non gouvernementales, en liaison avec l'IEC, participent également aux travaux. L'IEC collabore étroitement avec l'Organisation Internationale de Normalisation (ISO), selon des conditions fixées par accord entre les deux organisations.
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La Norme internationale IEC 60364-7-711 a été établie par le comité d'études 64 de l'IEC: Installations électriques et protection contre les chocs électriques.

Cette deuxième édition annule et remplace la première édition parue en 2007. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à l'édition précédente:

a) en 711.3.1 et 711.3.2, ajout de «à l'extérieur» à la liste des emplacements appropriés;
b) alignement sur l'IEC 60364-4-41.

Le texte de cette Norme internationale est issu des documents suivants:

| FDIS | Rapport de vote |
|---|---|
| 64/2248/FDIS | 64/2260/RVD |

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à l'approbation de cette Norme internationale.

Ce document a été rédigé selon les Directives ISO/IEC, Partie 2.

Une liste de toutes les parties de la série IEC 60364, publiées sous le titre général *Installations électriques à basse tension,* peut être consultée sur le site web de l'IEC.

L'attention du lecteur est attirée sur le fait que l'Annexe A énumère tous les articles traitant des différences à caractère moins permanent inhérentes à certains pays, concernant le sujet de la présente norme.

Le comité a décidé que le contenu de ce document ne sera pas modifié avant la date de stabilité indiquée sur le site web de l'IEC sous "http://webstore.iec.ch" dans les données relatives au document recherché. À cette date, le document sera

- reconduit,
- supprimé,
- remplacé par une édition révisée, ou
- amendé.

# INTRODUCTION

Pour les besoins de la présente partie de l'IEC 60364 (IEC 60364-7-711), les exigences des parties 1 à 6 générales de l'IEC 60364 s'appliquent.

Les parties IEC 60364-7-7XX de l'IEC 60364 contiennent des exigences particulières concernant les installations ou les emplacements spéciaux qui sont basées sur les exigences des parties générales de l'IEC 60364 (IEC 60364-1 à IEC 60364-6). Ces parties IEC 60364-7-7XX sont prises en compte conjointement avec les exigences des parties générales.

Les exigences particulières de la présente partie de l'IEC 60364 complètent, modifient ou remplacent certaines des exigences des parties générales de l'IEC 60364 valides au moment de sa publication. L'absence de référence à l'exclusion d'une partie ou d'un article d'une partie générale signifie que les articles correspondants de la partie générale s'appliquent (référence non datée).

Les exigences des autres parties 7XX appropriées aux installations couvertes par la présente partie s'appliquent également. La présente partie peut par conséquent également compléter, modifier ou remplacer certaines de ces exigences valides au moment de sa publication.

La numérotation de la présente partie suit le plan et les références correspondant à l'IEC 60364. Les numéros qui suivent le numéro particulier de la présente partie sont ceux des parties correspondantes, ou des articles des autres parties de la série IEC 60364, valides au moment de la publication de la présente partie, comme l'indiquent les références normatives du présent document (référence datée).

Lorsque des exigences ou des explications complémentaires à celles des autres parties de la série IEC 60364 s'avèrent nécessaires, la numérotation de ces éléments se présente sous la forme 711.101, 711.102, 711.103, etc.

Dans le cas où des parties générales nouvelles ou amendées avec modification de la numérotation ont été publiées après la diffusion de la présente partie, les numéros d'articles faisant référence à une partie générale dans cette partie 711 peuvent ne plus être alignés sur la dernière édition de la partie générale. Il convient de respecter les références datées.

# INSTALLATIONS ÉLECTRIQUES A BASSE TENSION –

# Partie 7-711: Exigences pour les installations ou emplacements spéciaux – Expositions, spectacles et stands

## 711 Expositions, spectacles et stands

### 711.1 Domaine d'application

Les exigences particulières de la présente partie de l'IEC 60364 s'appliquent aux installations électriques temporaires des expositions, spectacles et stands (y compris les étalages et les matériels mobiles et portables).

### 711.2 Références normatives

Les documents suivants cités dans le texte constituent, pour tout ou partie de leur contenu, des exigences du présent document. Pour les références datées, seule l'édition citée s'applique. Pour les références non datées, la dernière édition du document de référence s'applique (y compris les éventuels amendements).

IEC 60227 (toutes les parties), *Conducteurs et câbles isolés au polychlorure de vinyle, de tension nominale au plus égale à 450/750 V*

IEC 60245 (toutes les parties), *Conducteurs et câbles isolés au caoutchouc – Tension assignée au plus égale à 450/750 V*

IEC 60309-1, *Prises de courant pour usages industriels – Partie 1: Règles générales*

IEC 60309-2, *Prises de courant pour usages industriels – Partie 2: Règles d'interchangeabilité dimensionnelle pour les appareils à broches et alvéoles*

IEC 60332-1-1, *Essais des câbles électriques et à fibres optiques soumis au feu – Partie 1-1: Essai de propagation verticale de la flamme sur conducteur ou câble isolé – Appareillage d'essai*

IEC 60332-3 (toutes les parties), *Essais des câbles électriques et à fibres optiques soumis au feu – Partie 3: Essai de propagation verticale de la flamme des fils ou câbles en nappes en position verticale*

IEC 60364-4-41:2005, *Installations électriques à basse tension – Partie 4-41: Protection pour assurer la sécurité – Protection contre les chocs électriques*
IEC 60364-4-41:2005/AMD1:2017

IEC 60364-7-705, *Installations électriques basse tension – Partie 7-705: Exigences pour les installations ou emplacements spéciaux – Établissements agricoles et horticoles*

IEC 61034 (toutes les parties), *Mesure de la densité de fumées dégagées par des câbles brûlant dans des conditions définies*

IEC 61084 (toutes les parties), *Systèmes de goulottes et systèmes de conduits-profilés pour installations électriques*

IEC 61386 (toutes les parties), *Systèmes de conduits pour la gestion du câblage*

IEC 61558 (toutes les parties), *Sécurité des transformateurs, bobines d'inductance, blocs d'alimentation et des combinaisons de ces éléments*

IEC 61347 (toutes les parties), *Appareillages de lampes*