

INTERNATIONAL STANDARD

IEC 60364-7-702

Second edition
1997-11

Electrical installations of buildings –

Part 7-702:

Requirements for special installations or locations – Swimming pools and other basins

*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*



Reference number
IEC 60364-7-702:1997(E)

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

Q

For price, see current catalogue

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL INSTALLATIONS OF BUILDINGS –

**Part 7: Requirements for special installations or locations –
Section 702: Swimming pools and other basins**

FOREWORD

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International Standard IEC 60364-7-702 has been prepared by IEC technical committee 64: Electrical installations of buildings.

This second edition cancels and replaces the first edition published in 1983 and constitutes a technical revision.

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

FDIS	Report on voting
64/906/FDIS	64/969/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.

Annex A is for information only.

INTRODUCTION

The requirements of Part 7 supplement, modify or replace the general requirements of the other parts of IEC 60364. The numbers following the particular number of section 702 are those of the corresponding parts, chapters, sections or clauses of IEC 60364. The absence of reference to a chapter, section or a clause means that the corresponding general requirements are applicable.

ELECTRICAL INSTALLATIONS OF BUILDINGS –

Part 7: Requirements for special installations or locations – Section 702: Swimming pools and other basins

702 Swimming pools and other basins

702.1 Scope, object and fundamental principles

702.11 Scope

The particular requirements of this Section apply to the basins of swimming pools, the basins of fountains and the basins of paddling pools. They also apply to the surrounding zones of all these basins. In these areas, in normal use, the effect of an electric shock is increased by a reduction in body resistance and contact of the body with earth potential.

The requirements for swimming pools are applicable for paddling pools.

For swimming pools for medical use, special requirements may be necessary.

702.12 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this section of IEC 60364-7. At the time of the publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreement based on this section of IEC 60364-7 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

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

IEC 60245-4: 1994, *Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 4: Cords and flexible cables*

IEC 60364-2-21: 1993, *Electrical installations of buildings – Part 2: Definitions – Chapter 21: Guide to general terms*

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

IEC 60364-7-701: 1984, *Electrical installations of buildings – Part 7: Requirements for special installations or locations – Section 701: Locations containing a bath tub or shower basin*

IEC 60529: 1989, *Degrees of protection provided by enclosures (IP code)*

IEC 60536: 1976, *Classification of electrical and electronic equipment with regard to protection against electric shock*

IEC 60598-2-18: 1993, *Luminaires – Part 2: Particular requirements – Section 18: Luminaires for swimming pools and similar applications*

IEC 61140:1997, *Protection against electric shock – Common aspects for installation and equipment* (2nd edition)