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IEC 60364-7-704

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# INTERNATIONAL STANDARD

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**Low voltage electrical installations –  
Part 7-704: Requirements for special installations or locations – Construction  
and demolition site installations**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
704 Construction and demolition site installations .....	6
704.1 Scope .....	6
704.2 Normative references .....	6
704.3 Terms and definitions.....	7
704.30 Assessment of general characteristics .....	7
704.31 Purposes, supplies and structure .....	7
704.313 Supplies .....	7
704.4 Protection for safety.....	7
704.41 Protection against electric shock.....	7
704.410 Introduction.....	7
704.411 Protective measure: automatic disconnection of supply.....	8
704.414 Protective measure: Extra-low voltage provided by SELV and PELV .....	8
704.44 Protection against voltage disturbances and electromagnetic disturbances .....	8
704.443 Protection against transient overvoltages of atmospheric origin or due to switching.....	8
704.5 Selection and erection of equipment.....	8
704.51 Common rules .....	8
704.511 Compliance with standards.....	8
704.512 Operational conditions and external influences .....	9
704.52 Wiring systems.....	9
704.53 Isolation, switching and control .....	9
704.536 Isolation and switching .....	9
704.56 Safety services .....	10
704.6 Verification.....	10
Annex A (informative) List of notes concerning certain countries.....	11
Bibliography.....	15

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### LOW VOLTAGE ELECTRICAL INSTALLATIONS –

#### Part 7-704: Requirements for special installations or locations – Construction and demolition site installations

#### 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.
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International Standard IEC 60364-7-704 has been prepared by IEC technical committee 64: Electrical installations and protection against electric shock.

This third edition cancels and replaces the second edition published in 2005. This edition constitutes a technical revision.

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

- a) clarification of the Scope;
- b) clarification of compliance with standards;
- c) clarification of devices for isolation.

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

FDIS	Report on voting
64/2155/FDIS	64/2167/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-countries” 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.

A bilingual version of this publication may be issued at a later date.

## INTRODUCTION

For the purpose of this part of IEC 60364 (IEC 60364-7-704) 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 704.101, 704.102, 704.103 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 704 part may no longer align with the latest edition of the general part. Dated references should be observed.

## LOW VOLTAGE ELECTRICAL INSTALLATIONS –

### Part 7-704: Requirements for special installations or locations – Construction and demolition site installations

#### 704 Construction and demolition site installations

##### 704.1 Scope

The requirements of this part of IEC 60364 apply to installations for construction and demolition sites for use during the period of the construction or demolition work which are intended to be taken out of service upon completion of the works. Examples include the following:

- construction work of new buildings;
- repair, alteration, extension or demolition of existing buildings or parts of existing buildings;
- engineering works;
- earthworks;
- work of similar nature.

The requirements apply to fixed or moveable installations.

The requirements do not apply to installations in administrative locations of construction sites (e.g. offices, cloakrooms, meeting rooms, canteens, restaurants, dormitories, toilets).

##### 704.2 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 60245-4, *Rubber insulated cables – Rated voltages up to and including 450/750 V – Part 4: Cords and flexible cables*

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 60364 (all parts), *Low voltage electrical installations*

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

IEC 60364-5-53:2001<sup>1</sup>, *Electrical installations of buildings – Part 5-53: Selection and erection of electrical equipment – Isolation, switching and control*

IEC 60364-5-53:2001/AMD1:2002

IEC 60364-5-53:2001/AMD2:2015

IEC 61439-4, *Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)*

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<sup>1</sup> A consolidated version of this publication exists, comprising IEC 60364-5-53:2001, IEC 60364-5-53:2001/AMD 1:2002 and IEC 660364-5-53:2001/AMD 2:2015.