

# CONSOLIDATED VERSION

# VERSION CONSOLIDÉE



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**Electrical installations of buildings –  
Part 5-53: Selection and erection of electrical equipment – Isolation, switching  
and control**

**Installations électriques des bâtiments –  
Partie 5-53: Choix et mise en oeuvre des matériels électriques – Sectionnement,  
coupure et commande**



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ICS 29.130; 91.140.50

ISBN 978-2-8322-2931-6

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**ELECTRICAL INSTALLATIONS OF BUILDINGS –**

**Part 5-53: Selection and erection of electrical equipment –  
Isolation, switching and control**

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International Standard IEC 60364-5-53 has been prepared by IEC technical committee 64: Electrical installations and protection against electric shock.

The IEC 60364 series (parts 1 to 6), is currently being restructured, without any technical changes, into a more simple form (see annex D).

The text of this third edition of IEC 60364-5-53 is compiled from and replaces

- IEC 60364-5-53, second edition (1994) and its corrigendum 1 (1996),
- IEC 60364-5-534, first edition (1997),
- IEC 60364-5-537, first edition (1981) and its amendment 1 (1989) and
- IEC 60364-4-46, first edition (1981).

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## ELECTRICAL INSTALLATIONS OF BUILDINGS –

### Part 5-53: Selection and erection of electrical equipment – Isolation, switching and control

#### 530 Introduction

##### 530.1 Scope

This part of IEC 60364 deals with general requirements for isolation, switching and control and with the requirements for selection and erection of the devices provided to fulfil such functions.

##### 530.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60364. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60364 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid International Standards.

*IEC 60038, IEC standard voltages*

*IEC 60269-3:1987, Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications)*

*IEC 60364-4-41:~~2001~~ 2005, Electrical installations of buildings – IEC 60364-4-41: Protection for safety – Protection against electric shock*

*IEC 60364-4-42:2001, Electrical installations of buildings – Part 4-42: Protection for safety – Protection against thermal effects*

*IEC 60364-4-43:~~2001~~ 2008, Electrical installations of buildings – Part 4-43: Protection for safety – Protection against overcurrent*

*IEC 60364-4-44:~~2001~~ 2007, Electrical installations of buildings – Part 4-44: Protection for safety – Protection against voltage disturbances and electromagnetic disturbances*

*IEC 60364-5-54, Low-voltage electrical installations – Part 5-54: Selection and erection of electrical equipment – Earthing arrangements and protective conductors*

*IEC 60364-6-61:2001, Electrical installations of buildings – Part 6-61: Verification – Initial verification*

*IEC 60364-7-705:1984, Electrical installations of buildings – Part 7: Requirements for special installations or locations – Section 705: Electrical installations of agricultural and horticultural premises*

*IEC 60664-1:1992, Insulation coordination for equipment within low-voltage systems – Part 1: Principles, requirements and tests*

*IEC 61008-1:~~1996~~ 2010, Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules*