

CONSOLIDATED VERSION

VERSION CONSOLIDÉE



**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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CONTENTS

| | |
|---|----|
| FOREWORD..... | 5 |
| 530 Introduction | 7 |
| 530.1 Scope..... | 7 |
| 530.2 Normative references | 7 |
| 530.3 (530) General and common requirements | 8 |
| 531 Devices for protection against indirect contact by automatic disconnection of supply..... | 9 |
| 531.1 Overcurrent protective devices | 9 |
| 531.2 Residual current protective devices | 9 |
| 531.3 Insulation monitoring devices..... | 10 |
| 532 Devices for protection against thermal effects..... | 11 |
| 533 Devices for protection against overcurrent | 11 |
| 533.1 General requirements | 11 |
| 533.2 Selection of devices for protection of wiring systems against overloads | 11 |
| 533.3 Selection of devices for protection of wiring systems against short circuits | 11 |
| 534 Devices for protection against electromagnetic and voltage disturbances transient overvoltages..... | 12 |
| 534.1 (534) Devices for protection against overvoltage General | 12 |
| 534.2 Erection of surge protective devices in building installations Void | 12 |
| 534.3 Devices for protection against undervoltage Terms and definitions | 14 |
| 534.4 Selection and erection of SPDs | 16 |
| 535 (539) Co-ordination of various protective devices | 31 |
| 535.1 (539.1) Discrimination between overcurrent protective devices | 31 |
| 535.2 (539.2) Association of residual current protective devices with overcurrent protective devices | 31 |
| 535.3 (539.3) Discrimination between residual current protective devices | 32 |
| 536 (46) Isolation and switching | 32 |
| 536.0 (460) Introduction | 32 |
| 536.1 (461) General | 32 |
| 536.2 (462) Isolation | 32 |
| 536.3 (463) Switching-off for mechanical maintenance | 34 |
| 536.4 (464) Emergency switching..... | 35 |
| 536.5 (465) Functional switching (control) | 37 |
| Annex A (informative) Installation of surge protective devices in TN-systems..... | |
| Annex A (informative) SPD installation – Examples of installation diagrams according to system configurations | 40 |
| A.1 IT system – 3 phase supply plus neutral | 40 |
| A.2 TN-C and TN-C-S systems – 3 phase supply | 44 |
| A.3 TN-S system – 3 phase supply plus neutral | 48 |
| A.4 IT system – 3 phase supply with or without neutral | 50 |
| Annex B (informative) Installation of surge protective devices in TT-systems..... | |
| Annex B (informative) Installation supplied by overhead lines | 55 |
| Annex C (informative) Installation of surge protective devices in IT-systems..... | |
| Annex C (informative) List of notes concerning certain countries | 57 |
| Annex D (informative) IEC 60364 – Parts 1 to 6: Restructuring | 60 |

| | |
|--|-----------|
| Bibliography..... | 64 |
| Figure 534.1 – Example of installation of class I, class II and class III tested SPDs | 14 |
| Figure 534.2 – Connection type CT1 (4+0-configuration) for a three-phase system with neutral | 15 |
| Figure 534.3 – Connection type CT1 (3+0-configuration) for a three-phase system..... | 15 |
| Figure 534.4 – Connection type CT2 (e.g. 3+1-configuration) for a three-phase system with neutral..... | 16 |
| Figure 534.5 – Connection points of an SPD assembly | 21 |
| Figure 534.6 – Example of overcurrent protection in the SPD branch by using a dedicated external overcurrent protective device | 22 |
| Figure 534.7 – Protective device, which is a part of the installation, also used to protect the SPD | 24 |
| Figure 534.8 – Connection of the SPD | 26 |
| Figure 534.9 – Example of installation of an SPD in order to decrease lead length of SPD supply conductors..... | 27 |
| Figure A.1 – SPDs in TN-systems | 37 |
| Figure A.1 – Example of SPDA installation with connexion type CT2 on the supply side (upstream) of the main RCD in TT system | 37 |
| Figure A.2 – Example of SPD installation with connexion type CT2 on the supply side (upstream) of the main RCD in TT system | 38 |
| Figure A.3 – Example of SPDA installation on the load side (downstream) of the main RCD in TT system..... | 39 |
| Figure A.4 – Example of SPD installation on the load side (downstream) of the RCD in TT system..... | 40 |
| Figure A.5 – Example of SPDA installation in TN-C system..... | 41 |
| Figure A.6 – Example of SPD installation with connexion type CT1 in TN-C system..... | 42 |
| Figure A.7 – Example of SPD installation in TN-C-S system where the PEN is separated into PE and N at the origin of the installation (upstream of the SPD) | 43 |
| Figure A.8 – Example of SPD installation in TN-C-S in different distribution boards | 44 |
| Figure A.9 – Example of SPD installation in TN-S system..... | 45 |
| Figure A.10 – Example of SPDs installation in TN-S | 46 |
| Figure A.11 – Example of SPDA installation in IT system with neutral..... | 47 |
| Figure A.12 – Example of SPD installation in IT system without neutral | 48 |
| Figure A.13 – Example of SPD installation in IT system with neutral | 49 |
| Figure B.1 – SPDs on the load side of RCD | 50 |
| Figure B.2 – SPDs on the supply side of RCD..... | 51 |
| Figure B.3 – SPDs on the load side of RCD..... | 52 |
| Table 534.1 – Required rated impulse voltage of equipment | 18 |
| Table 534.2 – U_C of the SPD dependent on supply system configuration | 19 |
| Table 534.3 – Nominal discharge current (I_n) in kA depending on supply system and connection type | 20 |
| Table 534.4 – Selection of impulse discharge current (I_{imp}) where the building is protected against direct lightning strike | 20 |
| Table 534.5 – Connection of the SPD dependent on supply system | 25 |

| | |
|---|----|
| Table 53A – Impulse-withstand voltage as a function of the nominal voltage..... | 30 |
| Table B.1 – Selection of impulse discharge current (I_{imp}) | 52 |
| Table D.1 – Relationship between restructured and original parts | 57 |
| Table D.2 – Relationship between new and old clause numbering | 59 |

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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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In this Redline version, a vertical line in the margin shows where the technical content is modified by amendments 1 and 2. Additions are in green text, deletions are in strikethrough red text. A separate Final version with all changes accepted is available in this publication.

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

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- 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:~~2004~~ 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:~~2004~~ 2008, Electrical installations of buildings – Part 4-43: Protection for safety – Protection against overcurrent

IEC 60364-4-44:~~2004~~ 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