

STN	Koordinácia izolácie zariadení v nízkonapäťových napájacích sieťach Časť 1: Zásady, požiadavky a skúšky Zmena A1	STN EN IEC 60664-1/A1 33 0420
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Insulation coordination for equipment within low-voltage supply systems. Part 1: Principles, requirements and tests

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/25

STN EN IEC 60664-1 z marca 2022 sa bez tejto zmeny A1 môže používať do 30. 6. 2028.

Obsahuje: EN IEC 60664-1:2020/A1:2025, IEC 60664-1:2020/AMD1:2025

141275

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii
v znení neskorších predpisov.

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 60664-1:2020/A1

June 2025

ICS 29.080.30

English Version

**Insulation coordination for equipment within low-voltage supply
systems - Part 1: Principles, requirements and tests
(IEC 60664-1:2020/AMD1:2025)**

Coordination de l'isolement des matériels dans les réseaux
d'énergie électrique à basse tension - Partie 1: Principes,
exigences et essais
(IEC 60664-1:2020/AMD1:2025)

Isolationskoordination für Betriebsmittel in
Niederspannungs-Stromversorgungssystemen - Teil 1:
Grundsätze, Anforderungen und Prüfungen
(IEC 60664-1:2020/AMD1:2025)

This amendment A1 modifies the European Standard EN IEC 60664-1:2020; it was approved by CENELEC on 2025-06-10. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60664-1:2020/A1:2025 (E)**European foreword**

The text of document 109/235/FDIS, future edition 3 of IEC 60664-1/AMD1, prepared by TC 109 "Insulation co-ordination for low-voltage equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60664-1:2020/A1:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-06-30 level by publication of an identical national standard or by endorsement
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The text of the International Standard IEC 60664-1:2020/AMD1:2025 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 61643 (series) NOTE Approved as EN IEC 61643 (series)

IEC 60364-1 NOTE Approved as HD 60364-1



IEC 60664-1

Edition 3.0 2025-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

BASIC SAFETY PUBLICATION**PUBLICATION FONDAMENTALE DE SÉCURITÉ****HORIZONTAL PUBLICATION****PUBLICATION HORIZONTALE****AMENDEMENT 1****AMENDEMENT 1****Insulation coordination for equipment within low-voltage supply systems –
Part 1: Principles, requirements and tests****Coordination de l'isolement des matériels dans les réseaux d'énergie électrique
à basse tension –
Partie 1: Principes, exigences et essais**

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IEC Secretariat
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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WITHIN LOW-VOLTAGE SUPPLY SYSTEMS –****Part 1: Principles, requirements and tests****AMENDMENT 1****FOREWORD**

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Amendment 1 to IEC 60664:2020 has been prepared by IEC technical committee 109: Insulation co-ordination for low-voltage equipment.

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

Draft	Report on voting
109/235/FDIS	109/240/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

IEC 60664-1:2020/AMD1:2025
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The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications/.

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- reconfirmed,
- withdrawn, or
- revised.

Throughout the document (except in the Bibliography), delete:

IEC 60364-4-44:2007

and replace with:

IEC 60364-4-44:2024.

1 Scope

Replace the first paragraph with the following:

This part of IEC 60664 deals with **insulation coordination** for **electrical equipment** having a **rated voltage** up to AC 1 000 V or DC 1 500 V connected to **low-voltage supply systems**.

NOTE 1 Throughout this document, the term equipment is used with the meaning of **electrical equipment**.

Renumber NOTE 1 and NOTE 2 respectively as NOTE 2 and NOTE 3.

Add, at the end of the existing last paragraph, the following NOTE:

NOTE 4 Further explanations and examples with regard to the use of this document are provided in IEC TR 60664-2-1.

koniec náhľadu – text ďalej pokračuje v platenej verzii STN