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STN	**Elektrické relé Skúšky a meranie Časť 5: Izolačný odpor**	**STN EN IEC 63522-5** 35 3410

Electrical relays - Tests and measurements - Part 5: Insulation resistance

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

Obsahuje: EN IEC 63522-5:2025, IEC 63522-5:2025

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63522-5

July 2025

ICS 29.120.70

English Version

Electrical relays - Tests and measurements - Part 5: Insulation resistance (IEC 63522-5:2025)

Relais électriques - Essais et mesurages - Partie 5: Résistance d'isolement (IEC 63522-5:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 5: Isolationswiderstand (IEC 63522-5:2025)

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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

Ref. No. EN IEC 63522-5:2025 E

EN IEC 63522-5:2025 (E)

European foreword

The text of document 94/1139/FDIS, future edition 1 of IEC 63522-5, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-5:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2026-07-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-07-31

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Endorsement notice

The text of the International Standard IEC 63522-5:2025 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 60038	NOTE	Approved as EN 60038
IEC 60068-1	NOTE	Approved as EN 60068-1
IEC 60664-1	NOTE	Approved as EN IEC 60664-1
IEC 60664-3	NOTE	Approved as EN 60664-3
IEC 61557-2	NOTE	Approved as EN IEC 61557-2
IEC 61810-1:2008	NOTE	Approved as EN 61810-1:2008[1] (not modified)
IEC 61810-4:2020	NOTE	Approved as EN IEC 61810-4:2020 (not modified)
IEC 62246-1:2015	NOTE	Approved as EN 62246-1:2015 (not modified)
IEC 62631-3-3:2015	NOTE	Approved as EN 62631-3-3:2016 (not modified)

[1] This standard has been withdrawn and replaced with EN 61810-1:2015.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 63522-0	—[2]	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0	—[3]
IEC 63522-9	2025	Electrical relays - Tests and measurements - Part 9: Climatic tests	EN IEC 63522-9	2025

[2] Under preparation. Stage at the time of publication: IEC CDV 63522-0:2024.

[3] Under preparation. Stage at the time of publication: prEN IEC 63522-0:2024.

IEC 63522-5

Edition 1.0 2025-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electrical relays – Tests and measurements – Part 5: Insulation resistance

Relais électriques – Essais et mesurages – Partie 5: Résistance d'isolement

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 5: Insulation resistance

FOREWORD

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IEC 63522-5 has been prepared by IEC technical committee 94: Electrical relays. It is an International Standard.

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

Draft	Report on voting
94/1139/FDIS	94/1149/RVD

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

The language used for the development of this International Standard 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.

A list of all parts of IEC 63522 series, published under the general title *Electrical relays – Tests and measurements* can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 5: Insulation resistance

1 Scope

This part of IEC 63522 is used for testing all kinds of electrical relays and for evaluating their ability to perform under expected conditions of transportation, storage and all aspects of operational use.

NOTE Examples for electrical relays in the sense of this document include electromechanical relays, reed relays, reed contacts, reed switches, solid state relays, time relays and technology combinations of these.

This document defines a standard test method for insulation resistance.

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 63522-0:—, *Electrical relays – Tests and measurements – Part 0: General and guidance*[1]

IEC 63522-9:—, *Electrical relays – Tests and measurements – Part 9: Climatic tests*[2]

1 Under preparation. Stage at the time of publication: IEC CDV 63522-0:2024.

2 Under preparation. Stage at the time of publication: IEC FDIS 63522-9:2024.