ICS 29.120.70 SLOVENSKÁ TECHNICKÁ NORMA Jún 2025

STN	**Elektrické relé Skúšky a merania Časť 12: Vnútorná vlhkosť**	**STN EN IEC 63522-12** 35 3410

Electrical relays - Tests and measurements - Part 12: Internal moisture

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. 05/25

Obsahuje: EN IEC 63522-12:2025, IEC 63522-12:2025

140488

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 63522-12

March 2025

ICS 29.120.70

English Version

Electrical relays - Tests and measurements - Part 12: Internal moisture (IEC 63522-12:2025)

Relais électriques - Essais et mesurages - Partie 12: Humidité interne (IEC 63522-12:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 12: Interne Luftfeuchtigkeit (IEC 63522-12:2025)

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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

EN IEC 63522-12:2025 (E)

European foreword

The text of document 94/1050/FDIS, future edition 1 of IEC 63522-12, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-12:2025.

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) 2026-03-31
•	latest date by which the national standards conflicting with the document have to be withdrawn	(dow) 2028-03-31

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 63522-12:2025 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60068-2-14:2023 NOTE Approved as EN IEC 60068-2-14:2023 (not modified)

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	—[1]	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0	—[2]
IEC 63522-1[3]	-	Electrical relays - Tests and measurements - Part 1: Visual inspection and check of dimensions	EN IEC 63522-1[4]	-
IEC 63522-5[5]	-	Electrical relays - Tests and measurements - Part 5: Insulation resistance	EN IEC 63522-5[6]	-
IEC 63522-6	-	Electrical relays - Tests and measurements - Part 6: Contact-circuit resistance (or voltage drop)	EN IEC 63522-6[7]	-
IEC 63522-7[8]	-	Electrical relays - Tests and measurements - Part 7: Functional tests	EN IEC 63522-7[9]	-

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

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

[3] Under preparation. Stage at the time of publication: IEC FDIS 63522-1:2025.

[4] Under preparation. Stage at the time of publication: FprEN IEC 63522-1:2025.

[5] Under preparation. Stage at the time of publication: IEC FDIS 63522-5:2025.

[6] Under preparation. Stage at the time of publication: FprEN IEC 63522-5:2025.

[7] Under preparation. Stage at the time of publication: FprEN IEC 63522-6:2024.

[8] Under preparation. Stage at the time of publication: IEC FDIS 63522-7:2025.

[9] Under preparation. Stage at the time of publication: FprEN IEC 63522-7:2024.

IEC 63522-12

Edition 1.0 2025-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electrical relays – Tests and measurements – Part 12: Internal moisture

Relais électriques – Essais et mesurages – Partie 12: Humidité interne

IEC 63522-12:2025-02(en-fr)

IEC 63522-12

Edition 1.0 2025-02

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

ICS 29.120.70 ISBN 978-2-8327-0155-3

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 12: Internal moisture

FOREWORD

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IEC 63522-12 has been prepared by subcommittee 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
94/1050/FDIS	94/1108/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 the 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 12: Internal moisture

1 Scope

This document is used for testing electromechanical elementary relays (electromechanical relays, reed relays, reed contacts, reed switches and technology combinations of these) and evaluates their ability to perform under expected conditions of transportation, storage, and all aspects of operational use.

This document defines a standard test method to provoke internal moisture inside relays by different methods. The device under test (DUT) is tested at its specified energization values throughout the defined temperature range.

The test methods in this document are applicable to RT III, RT IV and RT V products only, i.e., wash-tight, sealed, and hermetically sealed DUTs.

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

IEC 63522-1, *Electrical relays – Tests and measurements – Part 1: Visual inspection and check of dimensions*[2]

IEC 63522-5, *Electrical relays – Tests and measurements – Part 5: Insulation resistance*[3]

IEC 63522-6, *Electrical relays – Tests and measurements – Part 6: Contact-circuit resistance (or voltage drop)*

IEC 63522-7, *Electrical relays – Tests and measurements – Part 7: Functional tests*

[1] First edition under preparation. Stage at the time of publication: IEC CDV 63522-0:2024.

[2] First edition under preparation. Stage at the time of publication: IEC FDIS 63522-1:2024.

[3] First edition under preparation. Stage at the time of publication: IEC FDIS 63522-5:2024.