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Electrical relays - Tests and measurements - Part 34: Fluid contamination

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. 12/25

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EUROPEAN STANDARD
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EN IEC 63522-34

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English Version

**Electrical relays - Tests and measurements - Part 34: Fluid
contamination
(IEC 63522-34:2025)**

Relais électriques - Essais et mesurages - Partie 34:
Contamination par des fluides
(IEC 63522-34:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 34:
Kontamination durch Flüssigkeiten
(IEC 63522-34:2025)

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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 63522-34:2025 (E)**European foreword**

The text of document 94/1130/FDIS, future edition 1 of IEC 63522-34, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-34:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-10-31 level by publication of an identical national standard or by endorsement
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Endorsement notice

The text of the International Standard IEC 63522-34:2025 was approved by CENELEC as a European Standard without any modification.

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

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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 63522-0	— ²	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0	— ³
IEC 63522-1 ⁴	-	Electrical relays - Tests and measurements - Part 1: Visual inspection and check of dimensions	EN IEC 63522-1 ⁵	-
IEC 63522-5	-	Electrical relays - Tests and measurements - Part 5: Insulation resistance	EN IEC 63522-5	-
IEC 63522-7	-	Electrical relays - Tests and measurements - Part 7: Functional tests	EN IEC 63522-7	-
IEC 63522-11	-	Electrical relays - Tests and measurements - Part 11: Enclosure protection and degree of protection	EN IEC 63522-11	-

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.

⁴ Under preparation: Stage at the time of publication: IEC/AFDIS 63522-1:2024.

⁵ Under preparation. Stage at the time of publication: FprEN IEC 63522-1:2025.



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INTERNATIONAL STANDARD

**Electrical relays - Tests and measurements -
Part 34: Fluid contamination**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Electrical relays - Tests and measurements -
Part 34: Fluid contamination**

FOREWORD

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IEC 63522-34 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
94/1130/FDIS	94/1162/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.

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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.

This International Standard is to be used in conjunction with IEC 63522-0:—¹.

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.

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

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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 provides tests to ensure that a relay is suitable for use when subjected to contamination by fluids found in aerospace applications and similar. This test applies to RT III to RT V relays only.

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: Testing - General and guidance*²

IEC 63522-1, *Electrical relays - Tests and measurements - Part 1: Visual inspection and check of dimensions*³

IEC 63522-5, *Electrical relays - Tests and measurements - Part 5: Insulation resistance*⁴

IEC 63522-7, *Electrical relays - Tests and measurements - Part 7: Functional tests*⁵

IEC 63522-11, *Electrical relays - Tests and measurements - Part 11: Enclosure protection and degree of protection*⁶

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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

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⁴ Under preparation: Stage at the time of publication: IEC/AFDIS 63522-5:2024.

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