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Reläer – Provningsmetoder och mätning – Del 2: Mekaniska provningar och vägning

*Electrical relays –
Tests and measurements –
Part 2: Mechanical tests and weighing*

Som svensk standard gäller europastandarden EN IEC 63522-2:2025. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 63522-2:2025.

Nationellt förord

Europastandarden EN IEC 63522-2:2025

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 63522-2, First edition, 2025 - Electrical relays - Tests and measurements - Part 2: Mechanical tests and weighing**

utarbetad inom International Electrotechnical Commission, IEC.

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English Version

Electrical relays - Tests and measurements - Part 2: Mechanical
tests and weighing
(IEC 63522-2:2025)

Relais électriques - Essais et mesurages - Partie 2 : Essais
mécaniques et pesage
(IEC 63522-2:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 2:
Mechanische Prüfungen und Wägungen
(IEC 63522-2:2025)

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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

European foreword

The text of document 94/1125/FDIS, future edition 1 of IEC 63522-2, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-2:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-08-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-08-31 document have to be withdrawn

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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 63522-2:2025 was approved by CENELEC as a European Standard without any modification.

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 ¹	—	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0 ²	—

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.

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 2: Mechanical tests and weighing**

**Relais électriques – Essais et mesurages –
Partie 2 : Essais mécaniques et pesage**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL RELAYS –
TESTS AND MEASUREMENTS –****Part 2: Mechanical tests and weighing****FOREWORD**

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IEC 63522-2 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
94/1125/FDIS	94/1151/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 2: Mechanical tests and weighing

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 to ensure that particular mechanical properties (such as contact force, armature travel, contact gaps) and weight, are within specified limits.

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

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