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Reläer – Provningsmetoder och mätning – Del 25: Magnetisk störning

*Electrical relays –
Tests and Measurements –
Part 25: Magnetic interference*

Som svensk standard gäller europastandarden EN IEC 63522-25:2025. Den svenska standarden innehåller den officiella engelska språkversionen av EN IEC 63522-25:2025.

Nationellt förord

Europastandarden EN IEC 63522-25:2025

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- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 63522-25, First edition, 2025 - Electrical relays - Tests and Measurements - Part 25: Magnetic interference**

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English Version

**Electrical relays - Tests and measurements - Part 25: Magnetic interference
(IEC 63522-25:2025)**

Relais électriques - Essais et mesurages - Partie 25 :
Perturbations par les champs magnétiques
(IEC 63522-25:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 25:
Magnetische Störung
(IEC 63522-25:2025)

This European Standard was approved by CENELEC on 2025-04-03. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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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 94/1055/FDIS, future edition 1 of IEC 63522-25, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-25:2025.

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) 2026-04-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-04-30

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

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 63522-25:2025 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 61810-1:2015 NOTE Approved as EN 61810-1:2015 (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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60060-1	-	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	-
IEC 63522-0 ED1 ¹	-	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0 ²	-
IEC 63522-4 ED1 ³	-	Electrical relays - Tests and measurements - Part 4: Dielectric strength test	EN IEC 63522-4 ⁴	-
IEC 63522-7 ED1 ⁵	-	Electrical relays - Tests and measurements - Part 7: Functional tests	EN IEC 63522-7 ⁶	-

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 63522-4:2024.

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

⁵ Under preparation. Stage at the time of publication: IEC FDIS 63522-7:2024.

⁶ Under preparation. Stage at the time of publication: IEC FprEN IEC 63522-7:2025.

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 25: Magnetic interference**

**Relais électriques – Essais et mesurages –
Partie 25 : Perturbations par les champs magnétiques**

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL RELAYS –
TESTING AND MEASUREMENT –**
Part 25: Magnetic interference**FOREWORD**

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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IEC 63522-25 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
94/1055/FDIS	94/1115/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.

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

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.

ELECTRICAL RELAYS – TESTING AND MEASUREMENT –

Part 25: Magnetic interference

1 Scope

This part of IEC 63522 is used for testing along with the appropriate severities and conditions for measurements and tests designed to assess the ability of DUTs to perform under expected conditions of transportation, storage and all aspects of operational use.

This document defines a standard test method to check the magnetic interference between relays under operating conditions and their influence on other relays in the neighbourhood.

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 60060-1, *High-voltage test techniques – Part 1: General definitions and test requirements*

IEC 63522-0:–², *Electrical relays – Tests and measurements – Part 0: Testing – General and Guidance*

IEC 63522-4, *Electrical relays – Tests and measurements – Part 4: Dielectric strength test*

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

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