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Electrical relays - Tests and measurements - Part 45: Maximum frequency of operation

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. 11/25

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EN IEC 63522-45

NORME EUROPÉENNE

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**Electrical relays - Tests and measurements - Part 45: Maximum frequency of operation
(IEC 63522-45:2025)**

Relais électriques - Essais et mesurages - Partie 45:
Fréquence maximale de fonctionnement
(IEC 63522-45:2025)

Elektrische Relais - Prüfungen und Messungen - Teil 7-45:
Maximale Betriebsfrequenz
(IEC 63522-45:2025)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 63522-45:2025 (E)**European foreword**

The text of document 94/1022/FDIS, future edition 1 of IEC 63522-45, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-45:2025.

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| | | |
|--------------------|------|--|
| IEC 60050 (series) | NOTE | Approved as EN IEC 60050 (series) |
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| IEC 62246-1:2015 | NOTE | Approved as EN 62246-1:2015 (not modified) |
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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 63522-0 | — ¹ | Electrical relays - Tests and Measurements - Part 0: General and Guidance | EN IEC 63522-0 | — ² |
| IEC 63522-8 | — ³ | Electrical relays - Tests and measurements - Part 8: Timing | EN IEC 63522-8 | 2024 |

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 CDV 63522-8:2024.



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays - Tests and measurements -
Part 45: Maximum frequency of operation**

**Relais électriques - Essais et mesurages -
Partie 45: Fréquence maximale de fonctionnement**



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CONTENTS

| | |
|---|----|
| FOREWORD | 2 |
| 1 Scope | 4 |
| 2 Normative references | 4 |
| 3 Terms and definitions | 4 |
| 3.1 Terms and definitions related to conditions and operations | 4 |
| 3.2 Terms and definitions related to electrical measurements | 5 |
| 4 Test procedure | 5 |
| 4.1 Purpose | 5 |
| 4.2 Procedure | 5 |
| 4.2.1 General | 5 |
| 4.2.2 Test circuit | 6 |
| 4.2.3 Frequency of operation | 6 |
| 4.2.4 Monitoring | 6 |
| 4.3 Conditions to be specified | 7 |
| 5 Evaluation | 7 |
| 5.1 General | 7 |
| 5.2 Test report | 7 |
| Annex A (normative) Test procedures for particular reed switch (reed contact) types and similar products | 8 |
| Annex B (normative) Test circuits for maximum frequency of operation | 9 |
| B.1 Test circuits for the measurement of time parameters, coil current and minimum time of energization of a make contact | 9 |
| B.1.1 Voltage drop method | 9 |
| B.1.2 Current probe method | 10 |
| B.2 Test circuits for the measurement of time parameters, coil current and minimum time of energization of a change-over contact | 11 |
| B.2.1 Voltage drop method | 11 |
| B.2.2 Current probe method | 12 |
| Bibliography | 13 |
| | |
| Figure B.1 – Test circuit with voltage drop method for the measurement of time parameters, coil current and minimum time of energization of a make contact | 9 |
| Figure B.2 – Test circuit with current probe method for the measurement of time parameters, coil current and minimum time of energization of a make contact | 10 |
| Figure B.3 – Test circuit with voltage drop method for the measurement of time parameters, coil current and minimum time of energization of a change-over contact | 11 |
| Figure B.4 – Test circuit with current probe method for the measurement of time parameters, coil current and minimum time of energization of a change-over contact | 12 |
| | |
| Table 1 – Test circuit | 6 |
| Table 2 – Recommended frequencies of operation | 6 |
| Table A.1 – Test procedures of maximum frequency of operation for reed switch (reed contact) types and similar products | 8 |

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Electrical relays - Tests and measurements -
Part 45: Maximum frequency of operation**

FOREWORD

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

| | |
|--------------|------------------|
| Draft | Report on voting |
| 94/1022/FDIS | 94/1136/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.

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- reconfirmed,
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1 Scope

This part of IEC 63522 is used for testing electromechanical elementary relays (electromechanical relays, reed relays, reed contacts, reed switches and technology combination of these) and evaluates their ability to perform under expected conditions of transportation, storage and all aspects of operational use.

This test defines a standard test method for maximum frequency of operation to ensure the mechanical, electrical durability and contact failure rate test of electromechanical elementary relays.

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: General and guidance*

IEC 63522-8:–², *Electrical relays – Tests and measurements – Part 8: Timing*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN