

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 8: Timing**

**Relais électriques – Essais et mesurages –
Partie 8: Contrôle des temps**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL RELAYS –
TESTS AND MEASUREMENTS –**

Part 8: Timing

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IEC 63522-8 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
94/1036/FDIS	94/1078/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.

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ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 8: Timing

1 Scope

This part of IEC 63522, when required by the detail specification, is used for testing all kinds of relays. This test can also be used for similar devices when specified in a detail specification.

This document defines a standard test method to ensure that the relay times are within the 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: Testing – General and guidance*¹

3 Terms and definitions

3.1 General

For the purposes of this document, the terms and definitions given in IEC 63522-0 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.2 Terms and definitions related to electromechanical elementary relays

3.2.1

operate time

set time

time interval between the application of the specified input voltage to a relay in the release/reset condition and the change of state of the last output circuit, bounce time not included

[SOURCE: IEC 60050-444:2002, 444-05-01, modified – The term "set time" has been added, the domain "(for elementary relays)" and figure have been omitted, and the term "reset" has been added to the definition.]

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