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Electrical relays - Testing and measurement - Part 27: Electrical contact noise

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. 08/25

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 63522-27

June 2025

ICS 29.120.70

English Version

**Electrical relays - Testing and measurement - Part 27: Electrical
contact noise
(IEC 63522-27:2025)**

Relais électriques - Essais et mesurages - Partie 27: Bruit
électrique de contact
(IEC 63522-27:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 27:
Elektrische Kontaktgeräusche
(IEC 63522-27:2025)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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EN IEC 63522-27:2025 (E)**European foreword**

The text of document 94/1126/FDIS, future edition 1 of IEC 63522-27, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-27:2025.

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

Annex ZA
(normative)

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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

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.



IEC 63522-27

Edition 1.0 2025-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Testing and measurement –
Part 27: Electrical contact noise**

**Relais électriques – Essais et mesurages –
Partie 27: Bruit électrique de contact**

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Testing and measurement –
Part 27: Electrical contact noise**

**Relais électriques – Essais et mesurages –
Partie 27: Bruit électrique de contact**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL RELAYS –
TESTS AND MEASUREMENTS –****Part 27: Electrical contact noise****FOREWORD**

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IEC 63522-27 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
94/1126/FDIS	94/1143/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 IEC 63522-0:–¹.

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ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 27: Electrical contact noise

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 1 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 for electrical contact noise.

NOTE 2 The measurement of electrical contact noise depends on the relay design as well as the complete test setup and is therefore influenced by many parameters. Defining the entire set-up with the customer is effective for electrical contact noise measurement.

2 Normative references

The following document is 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*²

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