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Electrical relays - Tests and measurements - Part 32: Acoustic 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 63522-32

June 2025

ICS 29.120.70

English Version

**Electrical relays - Tests and measurements - Part 32: Acoustic
noise
(IEC 63522-32:2025)**

Relais électriques - Essais et mesurages - Partie 32: Bruit
acoustique
(IEC 63522-32:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 32:
Störgeräusche
(IEC 63522-32:2025)

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European Committee for Electrotechnical Standardization
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EN IEC 63522-32:2025 (E)**European foreword**

The text of document 94/1066/FDIS, future edition 1 of IEC 63522-32, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-32:2025.

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61810-1 NOTE Approved as EN 61810-1

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

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 61672-1	-	Electroacoustics - Sound level meters - Part 1: Specifications	EN 61672-1	-
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 63522-32

Edition 1.0 2025-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 32: Acoustic Noise**

**Relais électriques – Essais et mesurages –
Partie 32: Bruit acoustique**

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Edition 1.0 2025-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 32: Acoustic Noise**

**Relais électriques – Essais et mesurages –
Partie 32: Bruit acoustique**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL RELAYS –
TESTS AND MEASUREMENTS –****Part 32: Acoustic noise****FOREWORD**

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IEC 63522-32 has been prepared by IEC technical committee 94: All-or-nothing electrical relays. It is an International Standard.

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

Draft	Report on voting
94/1066/FDIS	94/1098/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 – TESTS AND MEASUREMENTS –

Part 32: Acoustic 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 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 investigate the effect of acoustic noise in conjunction with the operating, releasing and cycling noise of a relay and the immunity of a relay to acoustic noise.

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 61672-1, *Electroacoustics – Sound level meters – Part 1: Specifications*

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

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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