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Electrical relays - Tests and measurements - Part 40: Short circuit testing

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

EN IEC 63522-40

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2025

ICS 29.120.70

English Version

**Electrical relays - Tests and measurements - Part 40: Short
circuit testing
(IEC 63522-40:2025)**

Relais électriques - Essais et mesurages - Partie 40: Essais
de court-circuit
(IEC 63522-40:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 40:
Kurzschlussversuch
(IEC 63522-40:2025)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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EN IEC 63522-40:2025 (E)**European foreword**

The text of document 94/1057/FDIS, future edition 1 of IEC 63522-40, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-40:2025.

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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 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	— ²	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0	— ³
IEC 63522-4 ⁴	-	Electrical relays - Tests and measurements - Part 4: Dielectric strength test	EN IEC 63522-4 ⁵	-

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.

⁴ Under preparation. Stage at the time of publication: IEC FDIS 63522-4:2024.

⁵ Under preparation. Stage at the time of publication: FprEN IEC 63522-4:2024.



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NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 40: Short circuit testing**

**Relais électriques – Essais et mesurages –
Partie 40: Essais de court-circuit**





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IEC Secretariat
 3, rue de Varembe
 CH-1211 Geneva 20
 Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 40: Short circuit testing**

**Relais électriques – Essais et mesurages –
Partie 40: Essais de court-circuit**

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**ELECTRICAL RELAYS –
TESTS AND MEASUREMENTS –****Part 40: Short circuit testing****FOREWORD**

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IEC 63522-40 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
94/1057/FDIS	94/1116/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.

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

ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 40: Short circuit testing

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 for short circuit testing.

2 Normative references

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

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

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

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