

STN	Elektrické relé Skúšky a merania Časť 6: Odpor kontaktného obvodu alebo úbytok napätia	STN EN IEC 63522-6 35 3410
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Electrical relays - Tests and measurements - Part 6: Contact-circuit resistance or voltage drop

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. 06/25

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 63522-6

April 2025

ICS 29.120.70

English Version

**Electrical relays - Tests and measurements - Part 6: Contact-
circuit resistance or voltage drop
(IEC 63522-6:2025)**

Relais électriques - Essais et mesurages - Partie 6:
Résistance (ou chute de tension) du circuit de contact
(IEC 63522-6:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 6:
Kontaktkreiswiderstand (oder Spannungsabfall)
(IEC 63522-6:2025)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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EN IEC 63522-6:2025 (E)**European foreword**

The text of document 94/1077/FDIS, future edition 1 of IEC 63522-6, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-6:2025.

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IEC 60512-2-1:2002	NOTE Approved as EN 60512-2-1:2002 (not modified)
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IEC 61810-1:2015	NOTE Approved as EN 61810-1:2015 (not modified)
IEC 61810-1:2015/A1:2019	NOTE Approved as EN 61810-1:2015/A1:2020 (not modified)
IEC 62246-1:2015	NOTE Approved as EN 62246-1:2015 (not modified)

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 ED1 ¹	-	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0 ²	-

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Edition 1.0 2025-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 6: Contact-circuit resistance or voltage drop**

**Relais électriques – Essais et mesurages –
Partie 6: Résistance (ou chute de tension) du circuit de contact**



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Edition 1.0 2025-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 6: Contact-circuit resistance or voltage drop**

**Relais électriques – Essais et mesurages –
Partie 6: Résistance (ou chute de tension) du circuit de contact**

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ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –**Part 6: Contact-circuit resistance or voltage drop**

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IEC 63522-6 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
94/1077/FDIS	94/1118/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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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.

ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 6: Contact-circuit resistance or voltage drop

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 measure contact-circuit resistance or voltage drop.

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: General and guidance*¹

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