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Electrical relays - Tests and measurements - Part 36: Fire hazard

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
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EN IEC 63522-36

April 2025

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English Version

**Electrical relays - Tests and measurements - Part 36: Fire
hazard
(IEC 63522-36:2025)**

Relais électriques - Essais et mesures - Partie 36: Danger
d'incendie
(IEC 63522-36:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 36:
Entflammbarkeit
(IEC 63522-36:2025)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 63522-36:2025 (E)**European foreword**

The text of document 94/1074/FDIS, future edition 1 of IEC 63522-36, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-36:2025.

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IEC 60335-1 NOTE Approved as EN IEC 60335-1

IEC 61810-1 NOTE Approved as EN 61810-1

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

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60695-2-10	-	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN IEC 60695-2-10	-
IEC 60695-2-11	2021	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end products (GWEPT)	EN IEC 60695-2-11	2021
IEC 60695-2-12	-	Fire hazard testing - Part 2-12: Glowing/hot-wire based test methods - Glow-wire flammability index (GWFI) test method for materials	EN IEC 60695-2-12	-
IEC 60695-2-13	-	Fire hazard testing - Part 2-13: Glowing/hot-wire based test methods - Glow-wire ignition temperature (GWIT) test method for materials	EN IEC 60695-2-13	-
IEC 60695-11-5	-	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	-
IEC 63522-0 ED1 ¹	-	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0 ²	-

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

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



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Edition 1.0 2025-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 36: Fire hazard**

**Relais électriques – Essais et mesures –
Partie 36: Danger d'incendie**

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Edition 1.0 2025-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 36: Fire hazard**

**Relais électriques – Essais et mesures –
Partie 36: Danger d'incendie**

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**ELECTRICAL RELAYS –
TESTS AND MEASUREMENTS –****Part 36: Fire hazard****FOREWORD**

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

Draft	Report on voting
94/1074/FDIS	94/1119/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.

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- reconfirmed,
- withdrawn, or
- revised.

ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 36: Fire hazard

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 fire hazards of all materials susceptible to fire hazards.

2 Normative references

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IEC 60695-2-10, *Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure*

IEC 60695-2-11:2021, *Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end products (GWEPT)*

IEC 60695-2-12, *Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials*

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IEC 60695-11-5, *Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance*

IEC 63522-0, *Electrical relays – Tests and measurements – Part 0: Testing – General and guidance*¹

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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