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Electrical relays - Tests and measurements - Part 11: Enclosure protection and degree of protection

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. 05/25

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 63522-11

March 2025

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English Version

**Electrical relays - Tests and measurements - Part 11: Enclosure
protection and degree of protection
(IEC 63522-11:2025)**

Relais électriques - Essais et mesurages - Partie 11:
Protection des enveloppes et degré de protection
(IEC 63522-11:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 11:
Gehäuse und Schutzart
(IEC 63522-11:2025)

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

EN IEC 63522-11:2025 (E)**European foreword**

The text of document 94/1058/FDIS, future edition 1 of IEC 63522-11, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-11:2025.

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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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-17	2023	Environmental testing - Part 2-17: Tests - Test Q: Sealing	EN IEC 60068-2-17	2023
IEC 60068-2-68	1994	Environmental testing - Part 2-68: Tests - Test L: Dust and sand	EN 60068-2-68	1996
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May	1993
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 63522-0	— ¹	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0	— ²
IEC 63522-4	— ³	Electrical relays - Tests and measurements - Part 4: Dielectric strength test	EN IEC 63522-4	— ⁴
IEC 63522-7	— ⁵	Electrical relays - Tests and measurements - Part 7: Functional tests	EN IEC 63522-7	— ⁶
IEC 63522-15	2024	Electrical relays - Tests and measurements - Part 15: Robustness of terminals	EN IEC 63522-15	2025
IEC 63522-19 ⁷	-	Electrical relays - Tests and Measurements - Part 19: Electrical endurance	EN IEC 63522-19 ⁸	-

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.

³ Under preparation. Stage at the time of publication: IEC FDIS 63522-4:2024.

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

⁵ Under preparation. Stage at the time of publication: IEC FDIS 63522-7:2025.

⁶ Under preparation. Stage at the time of publication: FprEN IEC 63522-7:2024.

⁷ Under preparation. Stage at the time of publication: IEC CDV 63522-19:2024.

⁸ Under preparation. Stage at the time of publication: prEN IEC 63522-19:2024.



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 11: Enclosure protection and degree of protection**

**Relais électriques – Essais et mesurages –
Partie 11: Protection des enveloppes et degré de protection**

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Edition 1.0 2025-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 11: Enclosure protection and degree of protection**

**Relais électriques – Essais et mesurages –
Partie 11: Protection des enveloppes et degré de protection**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –**Part 11: Enclosure protection and degree of protection**

FOREWORD

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IEC 63522-11 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
94/1058/FDIS	94/1109/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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- reconfirmed,
- withdrawn, or
- revised.

ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 11: Enclosure protection and degree of protection

1 Scope

This part of IEC 63522 is used for testing electrical relay enclosures 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 standard test methods for appropriate enclosure sealing testing.

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 60068-2-17:2023, *Environmental testing – Part 2-17: Tests – Test Q: Sealing*

IEC 60068-2-68:1994, *Environmental testing – Part 2-68: Tests – Test L: Dust and sand*

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*

IEC 60529:1989/AMD1:1999

IEC 60529:1989/AMD2:2013

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

IEC 63522-4:2024, *Electrical relays – Tests and measurements – Part 4: Dielectric strength test*

IEC 63522-7:2024, *Electrical relays – Tests and measurements – Part 7: Functional tests*

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koniec náhľadu – text ďalej pokračuje v platenej verzii STN

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