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Electrical relays - Tests and measurements - Part 56: Ball Pressure test

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
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EN IEC 63522-56

June 2025

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English Version

**Electrical relays - Tests and measurements - Part 56: Ball
Pressure test
(IEC 63522-56:2025)**

Relais électriques - Essais et mesurages - Part 56: Essai à
la bille
(IEC 63522-56:2025)

Elektrische Relais - Mess- und Prüfverfahren - Teil 56:
Kugeldruckprüfung
(IEC 63522-56:2025)

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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 63522-56:2025 (E)**European foreword**

The text of document 94/1067/FDIS, future edition 1 of IEC 63522-56, prepared by TC 94 "Electrical relays" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63522-56:2025.

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IEC 60695-10-2:2014	NOTE	Approved as EN 60695-10-2:2014 (not modified)
IEC 63522-10:— ²	NOTE	Approved as EN IEC 63522-10:— ³

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

² Under preparation. Stage at the time of publication: IEC FDIS 63522-10:2024.

³ Under preparation. Stage at the time of publication: FprEN IEC 63522-10:2025.

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 63522-0	— ⁴	Electrical relays - Tests and Measurements - Part 0: General and Guidance	EN IEC 63522-0	— ⁵
ISO 293	-	Plastics - Compression moulding of test specimens of thermoplastic materials	EN ISO 293	-
ISO 294	series	Plastics - Injection moulding of test specimens of thermoplastic materials	EN ISO 294	series
ISO 295	-	Plastics - Compression moulding of test specimens of thermosetting materials	EN ISO 295	-

⁴ Under preparation. Stage at the time of publication: IEC CDV 63522-0:2024.
⁵ Under preparation. Stage at the time of publication: prEN IEC 63522-0:2024.



IEC 63522-56

Edition 1.0 2025-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 56: Ball Pressure test**

**Relais électriques - Essais et mesurages -
Part 56: Essai à la bille**

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Edition 1.0 2025-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Electrical relays – Tests and measurements –
Part 56: Ball Pressure test**

**Relais électriques - Essais et mesurages -
Part 56: Essai à la bille**

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

Draft	Report on voting
94/1067/FDIS	94/1117/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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- revised.

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

ELECTRICAL RELAYS – TESTS AND MEASUREMENTS –

Part 56: Ball pressure test

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 specimens to perform under expected conditions of transportation, storage and all aspects of operational use.

The object of this test is to define a standard test method for evaluation of appropriate materials to withstand mechanical pressure at elevated temperatures without undue deformation.

NOTE The test is not made on parts of ceramic material.

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

ISO 293, *Plastics – Compression moulding of test specimens of thermoplastic materials*

ISO 294 (all parts), *Plastics – Injection moulding of test specimens of thermoplastic materials*

ISO 295, *Plastics – Compression moulding of test specimens of thermosetting materials*

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