

**SLOVENSKI STANDARD
SIST EN IEC 60352-7:2026****01-april-2026****Nadomešča:****SIST EN IEC 60352-7:2021**

Spoji brez spajke - 7. del: Objemka vzmetnih spojk - Splošne zahteve, preskusne metode in praktični napotki (IEC 60352-7:2026)

Solderless connections - Part 7: Spring clamp connections - General requirements, test methods and practical guidance (IEC 60352-7:2026)

Lötfreie Verbindungen - Teil 7: Federklemmverbindungen - Allgemeine Anforderungen, Prüfverfahren und Anwendungshinweise (IEC 60352-7:2026)

Connexions sans soudure - Partie 7: Connexions à ressort - Règles générales, méthodes d'essai et guide pratique (IEC 60352-7:2026)

Ta slovenski standard je istoveten z: EN IEC 60352-7:2026**ICS:**

29.120.20 Spojni elementi Connecting devices

SIST EN IEC 60352-7:2026 en

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NORME EUROPÉENNE
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EN IEC 60352-7

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**Solderless connections - Part 7: Spring clamp connections -
General requirements, test methods and practical guidance
(IEC 60352-7:2026)**

Connexions sans soudure - Partie 7: Connexions à ressort -
Exigences générales, méthodes d'essai et guide pratique
(IEC 60352-7:2026)

Lötfreie Verbindungen - Teil 7: Federklemmverbindungen -
Allgemeine Anforderungen, Prüfverfahren und
Anwendungshinweise
(IEC 60352-7:2026)

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European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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Ref. No. EN IEC 60352-7:2026 E

EN IEC 60352-7:2026 (E)**European foreword**

The text of document 48B/3177/FDIS, future edition 3 of IEC 60352-7, prepared by SC 48B "Electrical connectors" of IEC/TC 48 "Electrical connectors and mechanical structures for electrical and electronic equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60352-7:2026.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2027-02-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2029-02-28

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The text of the International Standard IEC 60352-7:2026 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60352-9	NOTE	Approved as EN IEC 60352-9
IEC 60512-1-100	NOTE	Approved as EN 60512-1-100
IEC 60947-7-1:2025	NOTE	Approved as EN IEC 60947-7-1:2025 (not modified)
IEC 60947-7-4:2019	NOTE	Approved as EN IEC 60947-7-4:2019 (not modified)
IEC 61984:2008	NOTE	Approved as EN 61984:2009 (not modified)

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-581	-	International Electrotechnical Vocabulary - Part 581: Electromechanical components for electronic equipment	-	-
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60189-3	-	Low-frequency cables and wires with PVC insulation and PVC sheath - Part 3: Equipment wires with solid or stranded conductor wires, PVC insulated, in singles, pairs and triples	-	-
IEC 60228	-	Conductors of insulated cables	EN IEC 60228	-
IEC 60512-1	-	Connectors for electrical and electronic equipment - Tests and measurements - Part 1: Generic specification	EN IEC 60512-1	-
IEC 60512-1-1	-	Connectors for electronic equipment - Tests and measurements - Part 1-1: General examination - Test 1a: Visual examination	EN 60512-1-1	-
IEC 60512-1-2	-	Connectors for electronic equipment - Tests and measurements - Part 1-2: General examination - Test 1b: Examination of dimension and mass	EN 60512-1-2	-
IEC 60512-2-1	-	Connectors for electronic equipment - Tests and measurements - Part 2-1: Electrical continuity and contact resistance tests - Test 2a: Contact resistance - Millivolt level method	EN 60512-2-1	-
IEC 60512-2-2	2003	Connectors for electronic equipment - Tests and measurements - Part 2-2: Electrical continuity and contact resistance tests - Test 2b: Contact resistance - Specified test current method	EN 60512-2-2	2003

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IEC 60512-2-5	-	Connectors for electronic equipment - Tests and measurements - Part 2-5: Electrical continuity and contact resistance tests - Test 2e: Contact disturbance	EN 60512-2-5	-
IEC 60512-6-4	-	Connectors for electronic equipment - Tests and measurements - Part 6-4: Dynamic stress tests - Test 6d: Vibration (sinusoidal)	EN 60512-6-4	-
IEC 60512-9-5	-	Connectors for electrical and electronic equipment - Tests and measurements - Part 9-5: Endurance tests - Test 9e: Current loading, cyclic	EN IEC 60512-9-5	-
IEC 60512-11-1	-	Connectors for electrical and electronic equipment - Tests and measurements - Part 11-1: Climatic tests - Test 11a - Climatic sequence	EN IEC 60512-11-1	-
IEC 60512-11-4	-	Connectors for electronic equipment - Tests and measurements - Part 11-4: Climatic tests - Test 11d: Rapid change of temperature	EN 60512-11-4	-
IEC 60512-11-7	-	Connectors for electronic equipment - Tests and measurements - Part 11-7: Climatic tests - Test 11g: Flowing mixed gas corrosion test	EN 60512-11-7	-
IEC 60512-11-9	-	Connectors for electronic equipment - Tests and measurements - Part 11-9: Climatic tests - Test 11i: Dry heat	EN 60512-11-9	-
IEC 60512-11-10	-	Connectors for electronic equipment - Tests and measurements - Part 11-10: Climatic tests - Test 11j: Cold	EN 60512-11-10	-
IEC 60512-16-20	-	Electromechanical components for electronic equipment - Basic testing procedures and measuring methods - Part 16: Mechanical tests on contacts and terminations - Section 20: Test 16t: Mechanical strength (wired termination of solderless connections)	EN 60512-16-20	-



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Edition 3.0 2026-01

INTERNATIONAL STANDARD

**Solderless connections -
Part 7: Spring clamp connections - General requirements, test methods and
practical guidance**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Solderless connections -
Part 7: Spring clamp connections -
General requirements, test methods and practical guidance**

FOREWORD

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IEC 60352-7 has been prepared by subcommittee 48B: Electrical connectors, of IEC technical committee 48: Electrical connectors and mechanical structures for electrical and electronic equipment. It is an International Standard.

This third edition cancels and replaces the second edition published in 2020. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Addition of definition 3.6 contact pressure via insulating material CoPI;
- b) Addition of definition 3.7 spring clamp connecting device with CoPI;
- c) Addition of a dedicated test group for spring clamp connections made with spring clamp terminations, which achieve contact pressure through insulating material (CoPI), which shall be tested according to Annex B in Subclause 6.1;

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- d) Addition of test group “CoPI” in Clause 8;
- e) Addition of Annex B to detail tests for resiliency in metallic parts to compensate for any shrinkage or yielding of insulating material with regards to contact pressure transmitted through the insulating material (CoPI), referenced in the “Test group CoPI” added in both test schedules.

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

Draft	Report on voting
48B/3177/FDIS	48B/3186/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 in the IEC 60352 series, published under the general title *Solderless connections*, can be found on the IEC website.

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.