



BSI Standards Publication

Connectors for electrical and electronic equipment — Tests and measurements

Part 9-5: Endurance tests — Test 9e: Current loading, cyclic

National foreword

This British Standard is the UK implementation of EN IEC 60512-9-5:2020. It is identical to IEC 60512-9-5:2020. It supersedes BS EN 60512-9-5:2010, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EPL/48, Electromechanical components and mechanical structures for electronic equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Connectors for electrical and electronic equipment - Tests and
measurements - Part 9-5: Endurance tests - Test 9e: Current
loading, cyclic
(IEC 60512-9-5:2020)

Connecteurs pour équipements électriques et électroniques
- Essais et mesures - Partie 9-5: Essais d'endurance -
Essai 9e: Charge en courant, essai cyclique
(IEC 60512-9-5:2020)

Steckverbinder für elektrische und elektronische
Einrichtungen - Mess- und Prüfverfahren - Teil 9-5:
Dauerprüfungen - Prüfung 9e: Strombelastung, zyklisch
(IEC 60512-9-5:2020)

This European Standard was approved by CENELEC on 2020-07-14. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

European foreword

The text of document 48B/2803/FDIS, future edition 2 of IEC 60512-9-5, 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 60512-9-5:2020.

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) 2021-04-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-07-14

This document supersedes EN 60512-9-5:2010 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 60512-9-5:2020 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 standards indicated:

IEC 60352-1:1997	NOTE	Harmonized as EN 60352-1:1997 (not modified)
IEC 60352-2:2006	NOTE	Harmonized as EN 60352-2:2006 (not modified)
IEC 60352-3:1993	NOTE	Harmonized as EN 60352-3:1994 (not modified)
IEC 60352-4:1994	NOTE	Harmonized as EN 60352-4:1994 (not modified)
IEC 60352-5:2012	NOTE	Harmonized as EN 60352-5:2012 (not modified)
IEC 60352-6:1997	NOTE	Harmonized as EN 60352-6:1997 (not modified)
IEC 60352-7:2002	NOTE	Harmonized as EN 60352-7:2002 (not modified)
IEC 60352-8:2011	NOTE	Harmonized as EN 60352-8:2011 (not modified)
IEC 60512-14-2:2006	NOTE	Harmonized as EN 60512-14-2:2006 (not modified)
IEC 60512-14-4:2006	NOTE	Harmonized as EN 60512-14-4:2006 (not modified)
IEC 60512-14-5:2006	NOTE	Harmonized as EN 60512-14-5:2006 (not modified)
IEC 60512-14-6:2006	NOTE	Harmonized as EN 60512-14-6:2006 (not modified)
IEC 60512-14-7:1997	NOTE	Harmonized as EN 60512-14-7:1998 (not modified)
IEC 60529:1989	NOTE	Harmonized as EN 60529:1991 (not modified)
IEC 60529:1989/A1:1999	NOTE	Harmonized as EN 60529:1991/A1:2000 (not modified)
IEC 60529:1989/A2:2013	NOTE	Harmonized as EN 60529:1991/A2:2013 (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.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60352	series	Solderless connections	EN 60352	series
IEC 60512-1	2018	Connectors for electrical and electronic equipment - Tests and measurements - Part 1: Generic specification	EN IEC 60512-1	2018
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 60512-2-1	-	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	-	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	-
IEC 60512-2-6	-	Connectors for electronic equipment - Tests and measurements - Part 2-6: Electrical continuity and contact resistance tests - Test 2f: Housing (shell) electrical continuity	EN 60512-2-6	-
IEC 60512-3-1	-	Connectors for electronic equipment - Tests and measurements - Part 3-1: Insulation tests - Test 3a: Insulation resistance	EN 60512-3-1	-
IEC 60512-4-1	-	Connectors for electronic equipment - Tests and measurements - Part 4-1: Voltage stress tests - Test 4a: Voltage proof	EN 60512-4-1	-

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