BSI Standards Publication

Connectors for electrical and electronic equipment — Tests and measurements

Part 99-002: Endurance test schedules — Test 99b: Test schedule for unmating under electrical load (IEC 60512-99-002:2022)

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Full document details: BS EN IEC 60512-99-002:2022

National foreword

This British Standard is the UK implementation of EN IEC 60512-99-002:2022. It is identical to IEC 60512-99-002:2022. It supersedes BS EN IEC 60512-99-002:2019, which will be withdrawn on 12 September 2022.

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.

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Amendments/corrigenda issued since publication

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 60512-99-002

March 2022

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Supersedes EN IEC 60512-99-002:2019 and all of its amendments and corrigenda (if any)

English Version

Connectors for electrical and electronic equipment - Tests and measurements - Part 99-002: Endurance test schedules - Test 99b: Test schedule for unmating under electrical load (IEC 60512-99-002:2022)

Connecteurs pour équipements électriques et électroniques - Essais et mesures - Partie 99-002: Programmes d'essais d'endurance - Essai 99b: Programme d'essai pour le désaccouplement sous charge électrique (IEC 60512-99-002:2022)

Steckverbinder für elektrische und elektronische Einrichtungen - Mess- und Prüfverfahren - Teil 99-002: Prüfpläne für die Lebensdauer - Prüfung 99b: Prüfplan zum unbeabsichtigten Trennen unter elektrischer Last (IEC 60512-99-002:2022)

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

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European foreword

The text of document 48B/2922/FDIS, future edition 2 of IEC 60512-99-002, 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 60512-99-002:2022.

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) 2022-12-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-03-04

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The text of the International Standard IEC 60512-99-002:2022 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60512-99-001 NOTE Harmonized as EN 60512-99-001

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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.

Publication	Year	Title	EN/HD	Year
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 60512-3-1	-	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	-
IEC 60512-9-3	-	Connectors for electronic equipment - Tests and measurements - Part 9-3: Endurance tests - Test 9c: Mechanical operation (engaging and separating) with electrical load	EN 60512-9-3	-
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	-
IEEE Std 802.3™	2018	IEEE Standard for Ethernet	-	-
IEEE Std 802.3bt™	2018	IEEE Standard for Ethernet. Amendment 2: Physical Layer and Management Parameters for Power over Ethernet over 4 pairs	-	-

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