

Connectors for electronic equipment — Tests and measurements —

Part 11-6: Climatic tests — Test 11f: Corrosion, salt mist

The European Standard EN 60512-11-6:2002 has the status of a
British Standard

ICS 31.220.10

National foreword

This British Standard is the official English language version of EN 60512-11-6:2002. It is identical with IEC 60512-11-6:2002.

The UK participation in its preparation was entrusted by Technical Committee EPL/48, Electromechanical components for electronic equipment, to Subcommittee EPL/48/2, Connectors for electronic equipment, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

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This British Standard, having been prepared under the direction of the Electrotechnical Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 20 May 2002

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 5 and a back cover.

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Amendments issued since publication

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English version

**Connectors for electronic equipment -
Tests and measurements
Part 11-6: Climatic tests -
Test 11f: Corrosion, salt mist
(IEC 60512-11-6:2002)**

Connecteurs pour équipements
électroniques -
Essais et mesures
Partie 11-6: Essais climatiques -
Essai 11f: Corrosion, brouillard salin
(CEI 60512-11-6:2002)

Steckverbinder für elektronische
Einrichtungen -
Mess- und Prüfverfahren
Teil 11-6: Klimatische Prüfungen -
Prüfung 11f: Korrosion, Salznebel
(IEC 60512-11-6:2002)

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CENELEC

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

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Foreword

The text of document 48B/1147/FDIS, future edition 1 of IEC 60512-11-6, prepared by SC 48B, Connectors, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60512-11-6 on 2002-04-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-01-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-04-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60512-11-6:2002 was approved by CENELEC as a European Standard without any modification.

CONNECTORS FOR ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

Part 11-6: Climatic tests – Test 11f: Corrosion, salt mist

1 General

1.1 Scope and object

This part of IEC 60512, when required by the detail specification, is used for testing electromechanical components within the scope of IEC technical committee 48. This test may also be used for similar devices when specified in a detail specification.

The object of this test is to define a standard test method to assess the extent and the effect of a controlled salt-laden atmosphere on the finish of a specimen.

1.2 Normative references

The following referenced documents are indispensable for the application 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 60068-2-11:1981, *Environmental testing – Part 2: Tests – Test Ka: Salt mist*

IEC 60512-1-1: *Connectors for electronic equipment – Tests and measurements – Part 1-1: General examination – Test 1a: Visual examination*

2 Preparation

2.1 Preparation of the specimen

Specimens shall be equipped with their normal accessories, mounted as specified in the detail specification.

When required by the detail specification, the specimen shall be mated and unmated as many times as specified prior to testing.

For each test carried out, the detail specification shall specify the condition of the component, for example mated or unmated.

2.2 Wiring of specimen

Specimens shall be wired as specified in the detail specification.

2.3 Preconditioning

Preconditioning shall be of at least 1 h, unless otherwise specified in the detail specification.

3 Test method

3.1 Conditioning

This test shall be carried out in accordance with IEC 60068-2-11, Test Ka: Salt mist.

The duration of the exposure shall be specified in the detail specification.

3.2 Final measurement

Upon completion of the test and after the specimen has been washed with distilled water and dried as specified, it shall be visually examined in accordance with IEC 60512-1-1, Test 1a: Visual examination, with particular attention to the following details:

- cracking;
- delamination;
- pitting of exposed metal surfaces.

4 Details to be specified

When this test is required by the detail specification, the following details shall be specified:

- a) method of mounting and wiring the specimen;
 - b) duration of the exposure;
 - c) requirements;
 - d) any deviation from the standard test method.
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Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-11	1981	Environmental testing Part 2: Tests - Test Ka: Salt mist	EN 60068-2-11	1999
IEC 60512-1-1	- ¹⁾	Connectors for electronic equipment - Tests and measurements Part 1-1: General examination - Test 1a: Visual examination	EN 60512-1-1	2002 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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