



**SLOVENSKI STANDARD
SIST EN 2591-507:2004**

01-maj-2004

Aerospace series - Elements of electrical and optical connection - Test methods - Part 507: Plating porosity

Aerospace series - Elements of electrical and optical connection - Test methods - Part 507: Plating porosity

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 507: Porosität der Schutzschicht

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 507: Porosité du revêtement

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Ta slovenski standard je istoveten z: EN 2591-507:2002

ICS:

49.060 Štejni sistemski opremljenosti za letalske električne in optične sisteme
Aerospace electric equipment and systems

SIST EN 2591-507:2004

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2591-507

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ICS 49.060

English version

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- Test methods - Part 507: Plating porosity**

Série aérospatiale - Organes de connexion électrique et
optique - Méthodes d'essais - Partie 507: Porosité du
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Luft- und Raumfahrt - Elektrische und optische
Verbindungselemente - Prüfverfahren - Teil 507: Porosität
der Schutzschicht

This European Standard was approved by CEN on 8 February 2002.

CEN 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 Management Centre or to any CEN 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 CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

This document (EN 2591-507:2002) has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2002, and conflicting national standards shall be withdrawn at the latest by December 2002.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies a method for assessing the plating porosity of contacts.

It shall be used together with EN 2591-100.

2 Normative references

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.

EN 2591-100 Aerospace series – Elements of electrical and optical connection – Test methods – Part 100: General ¹⁾

EN 2591-406 Aerospace series – Elements of electrical and optical connection – Test methods – Part 406: Mechanical endurance

3 Preparation of specimens

The specimens shall not be wired.

4 Method

<https://standards.iteh.ai/catalog/standards/sist/b05f8567-fb93-41c0-8c25-d8e637dab173/sist-en-2591-507-2004>

The contacts shall be submitted to the following initial test:

- mechanical endurance (EN 2591-406).

5 Procedure

Contacts shall be placed in containers and covered with nitric acid (specific gravity 1,316 at 15,6 °C) at $(25 \pm \frac{3}{0})$ °C so that all contacts may be observed during the test. The contacts shall be observed for 30 s.

NOTE It may be necessary to remove parts of contact made from materials known to react with nitric acid prior to immersion in the acid so that any reaction between the plated surface and the nitric acid can be observed.

6 Requirements

Plated contacts shall show no reaction in the form of bubbles on the outside surfaces of contacts during the 30 s observation period. Initial bubbles from air entrapment shall be disregarded.

1) Published as AECMA Prestandard at the date of publication of this standard