



SLOVENSKI STANDARD
SIST EN 2591-411:2001
01-januar-2001

Aerospace series - Elements of electrical and optical connection - Test methods - Part 411: Insert retention in housing (torsional)

Aerospace series - Elements of electrical and optical connection - Test methods - Part 411: Insert retention in housing (torsional)

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 411: Verdrehsicherung des Kontakteinsatzes im Gehäuse

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 411: Rétention en rotation de l'isolant dans le boîtier

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Ta slovenski standard je istoveten z: EN 2591-411:1998

ICS:

49.060 Štejni inštrumenti in oprema za letalstvo in vesolje Aerospace electric equipment and systems

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EUROPEAN STANDARD

EN 2591-411

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 1998

ICS 49.060

Descriptors: aircraft industry, aircraft equipment, connecting equipment, test

English version

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optique - Méthodes d'essais - Partie 411: Rétenion en
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Luft- und Raumfahrt - Elektrische und optische
Verbindungselemente - Prüfverfahren - Teil 411:
Verdrehsicherung des Kontakteinsatzes im Gehäuse

This European Standard was approved by CEN on 23 February 1998.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries 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 February 1999, and conflicting national standards shall be withdrawn at the latest by February 1999.

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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ALIMFVO IS AKLIGUETP
TFOPO NI TBOIANE OVTELUS AS OYENTEMNE
opelocion ni ofonditrahoto ex. 201 Unit
AWAL MULL

1001 -11- 7811:
EUTKADREACI HOCTEM OI TELVEROQ



1 Scope

This standard specifies a method of assessing the insert retention in housings (shells) of elements of connection subjected to torsional loads.

It shall be used together with EN 2591.

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	Aerospace series - Elements of electrical and optical connection - Test methods - General
EN 2591-101	Aerospace series - Elements of electrical and optical connection - Test methods - Part 101: Visual examination
EN 2591-312	Aerospace series - Elements of electrical and optical connection - Test methods - Part 312: Air leakage ¹⁾

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3 Preparation of specimens

3.1 Specimens shall be prepared according to the technical specification.

Any accessories which are not essential to the retention of the insert in the housing (shell) shall be removed.

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3.2 Unless specified in the technical specification, the following details shall be stated:

- initial measurements;
- torsional load value;
- value for EN 2591-312;
- value for measuring the displacement of the insert;
 - 1) during the application of the load,
 - 2) after removal of the load,
- final measurements and requirements.

4 Method

4.1 Initial measurements

Measurement of the angular position of the insert in the housing.

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

4.2 Procedure

The specimens shall be submitted to a torsional load applied to their rear face. This load shall be increased at a nominal rate of approximately 0,5 Nm/s until the specified value is reached, and maintained for a minimum of 1 min.

Repeat the procedure in the opposite rotational direction.

4.3 Final measurements and requirements (if applicable)

The angular displacement of the insert in housing shall be measured under load, it shall not be greater than the specified value.

The specimens shall be subjected to the following test sequence:

- EN 2591-101;
- EN 2591-312.

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