SLOVENSKI STANDARD
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Aerospace series - Elements of electrical and optical connection - Test methods - Part 426: Contact retention system effectiveness

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Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 426: Wirksamkeit des Kontakthaltesystems

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 426 : Efficacité du systeme de rétention des contacts

Ta slovenski standard je istoveten z: **EN 2591-426:2001**

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This European Standard was approved by CEN on 4 June 2001.

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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.

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

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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of an identical text or by endorsement, at the latest by May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies a method of assessing the effectiveness of the contact retention system used in elements of electrical and optical connection subjected to a tensile force with a simultaneous rotational movement.

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)]

3 Preparation of specimens

3.1 Specimens shall be fitted with contacts crimped to the specified steel cable with the specified tool.

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

- crimping tool;
- steel cable type;
- force to be applied to each contact size;
- requirement.

4 Apparatus

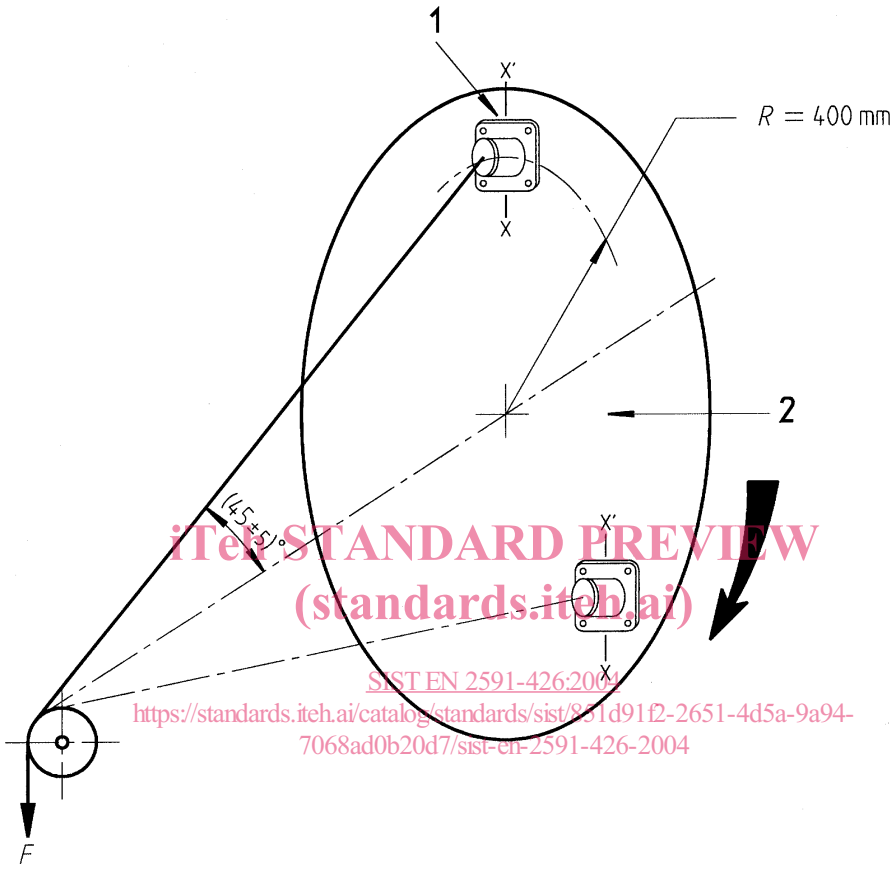
See figure 1.

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

5 Method

5.1 Number of contacts to be tested

Two contacts of each size per specimen



Key

1 Specimen
2 Turntable

Figure 1 – Example of apparatus

5.2 Procedure

The specimens shall be mounted in accordance with figure 1, contacts shall be tested individually.

The specified tensile force shall be applied to the steel cable.

The specimen shall be subjected to 100 rotations (10 rpm to 20 rpm) in one direction.

The initial orientation of the specimen (e.g. x-x' axis) shall remain unchanged during the test.

5.3 Requirement

The contact shall not become dislodged from its cavity.