



SLOVENSKI STANDARD SIST EN 2591-6317:2004

01-maj-2004

Aerospace series - Elements of electrical and optical connection - Test methods - Part 6317: Optical elements - Flammability

Aerospace series - Elements of electrical and optical connection - Test methods - Part 6317: Optical elements - Flammability

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 6317: Optische Elemente - Entflammbarkeit

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 6317 : Organes optiques - Tenue a la flamme

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Ta slovenski standard je istoveten z: EN 2591-6317:2001

ICS:

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

SIST EN 2591-6317:2004

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2591-6317

December 2001

ICS 49.060

English version

**Aerospace series - Elements of electrical and optical connection
- Test methods - Part 6317: Optical elements - Flammability**

Série aérospatiale - Organes de connexion électrique et
optique - Méthodes d'essais - Partie 6317: Organes
optiques - Tenue à la flamme

Luft- und Raumfahrt - Elektrische und optische
Verbindungselemente - Prüfverfahren - Teil 6317: Optische
Elemente - Entflammbarkeit

This European Standard was approved by CEN on 5 August 2001.

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, 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 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 June 2002, and conflicting national standards shall be withdrawn at the latest by June 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 verifying the suitability of materials used in optical connection elements (including permanent connections) and fibre optic couplers with respect to non-propagation of a flame, when exposed to a flame for a short period.

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 2591-207	Aerospace series – Elements of electrical and optical connection – Test methods – Part 207: Voltage proof test
EN 2591-317	Aerospace series – Elements of electrical and optical connection – Test methods – Part 317: Flammability
EN 2591-409	Aerospace series – Elements of electrical and optical connection – Test methods – Part 409: Contact retention in insert
EN 2591-6101	Aerospace series – Elements of electrical and optical connection – Test methods – Part 6101: Optical elements – Visual examination

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3 Preparation of specimens

3.1 Specimens shall be terminated with cables which do not propagate flames and fitted with standard accessories in accordance with the product standard. Cavities with unterminated contacts shall have filler plugs fitted (where applicable).

Optical connection elements shall be either mated, or have protective covers fitted.

The specimens shall be held in a fixed position in a suitable device, so that the thermal inertia is negligible.

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

See EN 2591-317 (if applicable) plus:

- type of optical cable/fibre.

4 Apparatus

See EN 2591-317.

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

EN 2591-6317:2001 (E)

5 Method

5.1 Procedure

EN 2591-317 – Method A. References to electrical circuits only apply to hybrid optical connection elements.

5.2 Final measurements and requirements

- EN 2591-207 – Voltage proof test (if applicable)
- EN 2591-6101 – Visual examination
- EN 2591-409 – Contact retention in insert

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