SLOVENSKI STANDARD
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Aerospace series - Elements of electrical and optical connection - Test methods - Part 316: Ozone resistance

Aerospace series - Elements of electrical and optical connection - Test methods - Part 316: Ozone resistance

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 316: Ozonbeständigkeit

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 316: Résistance a l'ozone

Ta slovenski standard je istoveten z: **EN 2591-316:1997**

ICS:

49.060	Letalska in vesoljska elektriļ na oprema in sistemi	Aerospace electric equipment and systems

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English version

Aerospace series - Elements of electrical and optical connection - Test methods - Part 316: Ozone resistance

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 316: Résistance à l'ozone

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 316: Ozonbeständigkeit

This European Standard was approved by CEN on 22 June 1997.

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.

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.

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

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

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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 April 1998, and conflicting national standards shall be withdrawn at the latest by April 1998.

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 determining the effect of ozone on elements of connection.

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 2591-206 Aerospace series - Elements of electrical and optical connection - Test methods - Part 206: Measurement of insulation resistance

3 Preparation of specimens

3.1 Specimens shall be prepared according to the technical specification.

The test shall be carried out on unmated specimens.

Unwired cavities shall be fitted with filler plugs.

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

- mounting method, type of cable and definition of specimen wiring;
- final measurements and requirements (if applicable);
- method according to EN 2591-206 and insulation resistance value.

4 Method

4.1 Test procedure

Specimens shall be exposed for 2 h to an atmosphere containing ozone at a concentration of 0,010 % by volume to 0,015 % by volume at ambient temperature.

4.2 Final measurements and requirements (if applicable)

At the end of the test, the insulation resistance shall be measured (EN 2591-206). Its value shall not be smaller than the specified value.

Proceed then with a visual examination (EN 2591-101) of the specimens, paying particular attention to the following points:

- marking of the specimens;
- marking of the insulation;
- absence of defects.