SLOVENSKI STANDARD
SIST EN 2591-205:2001

01-januar-2001

Aerospace series - Elements of electrical and optical connection - Test methods - Part 205: Housing (shell) electrical continuity

Aerospace series - Elements of electrical and optical connection - Test methods - Part 205: Housing (shell) electrical continuity

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 205: Kontinuierlicher Stromdurchgang des Gehäuses

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 205: Continuité électrique du boîtier

Ta slovenski standard je istoveten z: **EN 2591-205:1996**

ICS:

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

SIST EN 2591-205:2001 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 2591-205

February 1996

ICS 49.060

Supersedes EN 2591-B5:1993

Descriptors: aircraft industry, aircraft equipment, connecting equipment, electrical cases, tests, measurements, electrical resistance, contact resistance

English version

Aerospace series - Elements of electrical and optical connection - Test methods - Part 205: Housing (shell) electrical continuity

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 205: Continuité électrique du boîtier

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 205: Kontinuierlicher Stromdurchgang des Gehäuses

This European Standard was approved by CEN on 1993-12-16. 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.

The European Standards exist 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

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).

The alphanumerical designation of the parts of EN 2591 has been abandoned for a numerical designation in line with the Internal Regulations of CEN/CENELEC. This European Standard is the integral reproduction of the European Standard EN 2591-B5 after application of this decision, without any other modification than the change in numbering.

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 August 1996, and conflicting national standards shall be withdrawn at the latest by August 1996.

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

1 Scope

This standard specifies a method for measuring the electrical continuity (resistance) in the housings (shells) of elements of connection.

It is not applicable to the checking of shielding against magnetic or radiofrequency interference.

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

3 Preparation of specimens

3.1 They shall be mated but not fitted with accessories.

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

- measuring points;
- maximum permitted resistance.

4 Method

4.1 Procedure

The resistance measurements shall be made :

- with direct current under 1,5 V max. and $(1\ ^{+\ 0,1}_{\ 0})$ A;
- between the rear ends of housings (shells) with spherical end probes.

4.2 Requirement

The measured value shall not be greater than that specified.