



SLOVENSKI STANDARD SIST EN 2591-210:2001

01-januar-2001

Aerospace series - Elements of electrical and optical connection - Test methods - Part 210: Electrical overload

Aerospace series - Elements of electrical and optical connection - Test methods - Part
210: Electrical overload

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren -
Teil 210: Elektrische Überlast

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais -
Partie 210: Surcharge électrique

[SIST EN 2591-210:2001](https://standards.iteh.ai/catalog/standards/sist/6b2baf33-5f48-4fd6-bfc8-a74b3e2a4fde/sist-en-2591-210-2001)

[https://standards.iteh.ai/catalog/standards/sist/6b2baf33-5f48-4fd6-bfc8-](https://standards.iteh.ai/catalog/standards/sist/6b2baf33-5f48-4fd6-bfc8-a74b3e2a4fde/sist-en-2591-210-2001)

[a74b3e2a4fde/sist-en-2591-210-2001](https://standards.iteh.ai/catalog/standards/sist/6b2baf33-5f48-4fd6-bfc8-a74b3e2a4fde/sist-en-2591-210-2001)

Ta slovenski standard je istoveten z: **EN 2591-210:1998**

ICS:

49.060

Številni sistemi za prenos električne energije in optične
opreme in sisteme

Aerospace electric
equipment and systems

SIST EN 2591-210:2001

en

iTeh STANDARD PREVIEW **(standards.iteh.ai)**

SIST EN 2591-210:2001

<https://standards.iteh.ai/catalog/standards/sist/6b2baf33-5f48-4fd6-bfc8-a74b3e2a4fde/sist-en-2591-210-2001>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2591-210

June 1998

ICS 49.060.00

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

English version

Aerospace series - Elements of electrical and optical connection
- Test methods - Part 210: Electrical overload

Série aérospatiale - Organes de connexion électrique et
optique - Méthodes d'essais - Partie 210: Surcharge
électrique

Luft- und Raumfahrt - Elektrische und optische
Verbindungselemente - Prüfverfahren - Teil 210:
Elektrische Überlast

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.

<https://standards.iteh.ai/catalog/standards/sist/6b2baf33-5f48-4fd6-bfc8-a74b3e2a4fde/sist-en-2591-210-2001>



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 December 1998, and conflicting national standards shall be withdrawn at the latest by December 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

ALIMBVOIC ANILCUGER
TMOE IN TERNIE OTOLIO AE UTEROEM
Sjoklennon ni njoklennonni eni SFI hndi
ANALIGULI

..... 2010
ZVTICALZEN KOTEM TO TERNIE



1 Scope

This standard specifies a method of assessing the performance of mated elements of connection with an electrical overload current flowing across contacts for a limited period of time.

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 2591-202	Aerospace series - Elements of electrical and optical connection - Test methods - Part 202: Contact resistance at rated current
EN 2591-206	Aerospace series - Elements of electrical and optical connection - Test methods - Part 206: Measurement of insulation resistance
EN 2591-207	Aerospace series - Elements of electrical and optical connection - Test methods - Part 207: Voltage proof test
EN 2591-408	Aerospace series - Elements of electrical and optical connection - Test methods - Part 408: Mating and unmating forces ¹⁾

3 Preparation of specimens

3.1 Specimens shall be wired with the maximum conductor size accepted by the contacts and the shortest possible length compatible with the contact insertion. They shall then be mated.

Contacts of the same size shall be wired in series.

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

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

- type of cable;
- initial measurements and requirements (if applicable);
- current and voltage to be applied to each circuit;
- duration of overload;
- final measurements and requirements (if applicable).

4 Method

4.1 Initial measurements (if applicable)

They shall be carried out as specified.

4.2 Procedure

The specified overload shall be applied to the circuits defined in 3.1 for each contact size for the specified duration.

The other circuits shall not be energized.

A recovery to initial conditions is required between two successive tests.

This procedure shall be repeated eight times for each circuit.

Temporary emission of smoke due to thermal degradation of surface contamination products is permissible. This shall not be considered as a defect if performance is not affected.

4.3 Final measurements (if applicable)

The specimens shall be subjected to the following test sequence:

- EN 2591-202;
- EN 2591-206;
- EN 2591-207;
- EN 2591-408;
- EN 2591-101.