



SLOVENSKI STANDARD
oSIST prEN 2591-508:2022
01-junij-2022

Aeronavtika - Elementi električnih in optičnih povezav - 508. del: Merjenje debeline premaza na kontaktih - Preskusne metode

Aerospace series - Elements of electrical and optical connection - Part 508:
Measurement of thickness of coating on contacts - Test methods

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Teil 508:
Messung der Schutzschichtdicke - Prüfverfahren

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais -
Partie 508 : Mesure de l'épaisseur du revêtement des contacts

Ta slovenski standard je istoveten z: prEN 2591-508

oSIST prEN 2591-508:2022
<https://standards.iteh.ai/catalog/standards/sist/61421f2d-9724-4249-841b-a38d8d248dc1/osist-pren-2591-508-2022>

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems
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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 2591-508

April 2022

ICS 49.060; 49.090

Will supersede EN 2591-508:2001

English Version

Aerospace series - Elements of electrical and optical connection - Part 508: Measurement of thickness of coating on contacts - Test methods

Série aérospatiale - Organes de connexion électrique et optique - Partie 508 : Mesure de l'épaisseur - Méthodes d'essais

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Teil 508: Messung der Schutzschichtdicke - Prüfverfahren

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (prEN 2591-508:2022) has been prepared by the Aerospace and Defence Industries Association of Europe — Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 2591-508:2001.

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prEN 2591-508:2022 (E)**1 Scope**

This document specifies methods of measuring thickness of electro-deposited gold or gold alloys coatings on contacts of elements of connection.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 2591-100, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 100: General*

EN 3155-001, *Aerospace series — Electrical contacts used in elements of connection — Part 001: Technical specification*

EN ISO 27874:2008, *Metallic and other inorganic coatings — Electrodeposited gold and gold alloy coatings for electrical, electronic and engineering purposes — Specification and test methods (ISO 27874:2008)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 2591-100 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Details to be specified

Minimum thickness of coating protection: uniform or selective (zones X and Y shall be in accordance with EN 3155-001).

5 Methods**5.1 Method A**

Method A shall be in accordance with EN ISO 27874:2008, Annex B, B.3.1: Beta backscatter.

5.2 Method B

Method B shall be in accordance with EN ISO 27874:2008, Annex B, B.3.2: X-ray spectrometric.