

Aerospace series - Elements of electrical and optical connection - Test methods - Part 428: Sinusoidal vibrations with passage of current for crimped terminal lugs

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 2591-428:2002 sisaldab Euroopa standardi EN 2591-428:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 12.07.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 2591-428:2002 consists of the English text of the European standard EN 2591-428:2002.</p> <p>This document is endorsed on 12.07.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This standard specifies a method for determining the ability of crimped terminal lugs to withstand sinusoidal vibrations when a current is passing through them. It shall be used together with EN 2591-100.</p>	<p>Scope: This standard specifies a method for determining the ability of crimped terminal lugs to withstand sinusoidal vibrations when a current is passing through them. It shall be used together with EN 2591-100.</p>
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ICS 49.060

Võtmesõnad: aerospace transport, air transport, connected joints, crimp terminations, electric connectors, electric lugs, electrical installations, fasteners, sinusoidal, space transport, testing, vibration

ICS 49.060

English version

Aerospace series - Elements of electrical and optical connection
- Test methods - Part 428: Sinusoidal vibrations with passage of
current for crimped terminal lugs

Série aérospatiale - Organes de connexion électrique et
optique - Méthodes d'essais - Partie 428: Vibrations
sinusoïdales avec passage de courant pour cosses serties

Luft- und Raumfahrt - Elektrische und optische
Verbindungselemente - Prüfverfahren - Teil 428: Vibration,
sinusförmig bei Stromfluß für gecrimpte Kabelschuhe

This European Standard was approved by CEN on 8 February 2002.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This document (EN 2591-428:2002) has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After enquiries 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 2002, and conflicting national standards shall be withdrawn at the latest by December 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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom

1 Scope

This standard specifies a method for determining the ability of crimped terminal lugs to withstand sinusoidal vibrations when a current is passing through them.

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 2591-403	Aerospace series – Elements of electrical and optical connection – Test methods – Part 403 : Sinusoidal and random vibration ²⁾
TR 4257	Aerospace series – Elements of electrical and optical connection – Relationship between the numbering systems for parts of EN 2591 ³⁾

3 Preparation of specimens

The specimens shall be fitted with their normal accessories, wired up in accordance with the technical specification.

The following details shall be specified in the technical specification:

- number of specimens;
- type of cable;
- installation and wiring of specimens;
- initial measurements and requirement.

4 Equipment

In accordance with EN 2591-403.

5 Method

5.1 Initial measurements

These shall be carried out in accordance with the technical specification.

5.2 Level

The vibration test level shall be given by combining five parameters: frequency range, vibration amplitude, duration of the endurance test, ageing temperature and current.

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

2) See TR 4257.

3) Published as AECMA Technical Report at the date of publication of this standard