

Lennunduse ja kosmonautika seeria. Elektriliste ja optiliste ühenduste elemendid. Testimismeetodid. Osa 402: Löök

Aerospace series - Elements of electrical and optical connection - Test methods - Part 402: Shock

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 2591-402:2012 sisaldab Euroopa standardi EN 2591-402:2012 ingliskeelset teksti.	This Estonian standard EVS-EN 2591-402:2012 consists of the English text of the European standard EN 2591-402:2012.
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English Version

**Aerospace series - Elements of electrical and optical connection
- Test methods - Part 402: Shock**

Série aérospatiale - Organes de connexion électrique et
optique - Méthodes d'essais - Partie 402: Chocs

Luft- und Raumfahrt - Elektrische und optische
Verbindungselemente - Prüfverfahren - Teil 402: Stöße

This European Standard was approved by CEN on 23 March 2012.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Contents		Page
Foreword		3
1	Scope	4
2	Normative references	4
3	Preparation of specimens	4
4	Apparatus	5
4.1	General	5
4.2	Shock characteristics	5
5	Method	5
5.1	Initial measurements (if applicable)	5
5.2	Severity	5
5.3	Procedure	5
5.4	Final measurements (if applicable).....	6

Foreword

This document (EN 2591-402:2012) 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 Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, 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of an identical text or by endorsement, at the latest by January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 2591-402:1998.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies a method of assessing the ability of elements of connection to withstand mechanical shock of a specified severity.

It should be used together with EN 2591-100.

This test is based on EN 60068-2-27.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 2591-101, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 101: Visual examination*

EN 2591-204, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 204: Discontinuity of contacts in the microsecond range*

EN 2591-408, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 408: Mating and unmating forces*

EN 60068-2-27:2009, *Environmental testing — Part 2-27: Tests — Test Ea and guidance: Shock (IEC 60068-2-27:2008)*

3 Preparation of specimens

3.1 Specimens shall be prepared according to the technical specification.

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

- mounting method, type of cable and definition of specimen wiring;
- initial measurements (if applicable);
- pulse shape (method A or B);
- test severity;
- number of axes, if other than three;
- number of shocks in each direction;
- final measurements (if applicable).