



**SLOVENSKI STANDARD**  
**SIST EN 3841-503:2005**

01-april-2005

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**Aeronavtika - Odklopniki - Preskusne metode - 503. del: Trdnost prožilnih elementov**

Aerospace series - Circuit breakers - Test methods - Part 503: Strength of actuating components

Luft- und Raumfahrt - Schutzschalter - Prüfverfahren - Teil 503: Festigkeit der Betätigungselemente

Série aérospatiale - Disjoncteurs - Méthodes d'essais - Partie 503 : Résistance des éléments de commande

**Ta slovenski standard je istoveten z: EN 3841-503:2004**

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**ICS:**

49.060 Štejni aparati in oprema za letalstvo in zračne sile Aerospace electric equipment and systems

**SIST EN 3841-503:2005**

**en**

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EUROPEAN STANDARD

**EN 3841-503**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2004

ICS 49.060

English version

**Aerospace series - Circuit breakers - Test methods - Part 503:  
Strength of actuating components**Série aérospatiale - Disjoncteurs - Méthodes d'essais -  
Partie 503 : Résistance des éléments de commandeLuft- und Raumfahrt - Schutzschalter - Prüfverfahren - Teil  
503: Festigkeit der Betätigungselemente

This European Standard was approved by CEN on 10 September 2004.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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## Foreword

This document (EN 3841-503:2004) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 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 June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.

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

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EN 3841-503:2004 (E)

## 1 Scope

This standard specifies a method of verifying the strength of the actuating components of circuit breakers.

It shall be used together with EN 3841-100.

## 2 Normative references

The following referenced documents are indispensable for the application 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 3841-100, *Aerospace series – Circuit breakers – Test methods – Part 100: General*

## 3 Method

### 3.1 Transverse load

The push button in the closed and open positions shall be subjected to the load specified in the technical specification at the end of the button, perpendicularly to the direction of travel. The load shall be applied for 1 min each in the four main directions.

### 3.2 Longitudinal load

The push button shall be subjected to the force specified in the technical specification, for 1 min each in the push and pull directions.

No damage shall be caused by the loads applied.

## 4 Requirement

Requirements in accordance with technical specification and product standard.