

Aerospace series - Circuit breakers - Test methods - Part 100: General

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 3841-100:2005 sisaldab Euroopa standardi EN 3841-100:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 22.02.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 3841-100:2005 consists of the English text of the European standard EN 3841-100:2004.</p> <p>This document is endorsed on 22.02.2005 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 the general conditions for test methods applicable to circuit breakers.</p>	<p>Scope: This standard specifies the general conditions for test methods applicable to circuit breakers.</p>
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ICS 49.060

Võtmesõnad:

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English version

**Aerospace series - Circuit breakers - Test methods - Part 100:
General**

Série aérospatiale - Disjoncteurs - Méthodes d'essais -
Partie 100 : Généralités

Luft- und Raumfahrt - Schutzschalter - Prüfverfahren - Teil
100: Allgemeines

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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 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.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 3841-100:2004) 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.

1 Scope

This standard specifies the general conditions for test methods applicable to circuit breakers.

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.

IEC 50 (441), *International electrotechnical vocabulary – Chapter 441: Switchgear, controlgear and fuses*

3 Definitions

For the purposes of this standard, the definitions given in IEC 50 (441) apply.

4 Conditions for test

4.1 Environmental conditions

Unless stated otherwise, the following environmental conditions shall apply:

- ambient temperature $(23 \pm 5) ^\circ\text{C}$;
- atmospheric pressure 840 hPa to 1070 hPa;
- relative humidity $\leq 85 \%$.

4.2 Mounting conditions for mechanical tests

Mechanical tests shall be carried out with the circuit breakers mounted in their normal position on a metal plate with a minimum thickness of 2 mm.

4.3 Mounting conditions for thermal tests

For thermal tests the circuit breakers shall be mounted with the minimum distance between each other as specified in the product standard.

4.4 Connection requirements for electrical tests

For electrical tests the circuit breakers shall be connected to cables as shown in Table 1.

The cable shall be 0,5 m long.

Where several circuit breakers or the poles of multi-pole circuit breakers are connected in series, the connecting cables between the circuit breakers or poles shall be 0,5 m long.

The cable lugs used shall be compatible with the circuit breakers' terminals.