



SLOVENSKI STANDARD
SIST EN 3841-100:2024

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Aeronavtika - Odklopniki - Preskusne metode - 100. del: Splošno

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

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

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

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ICS:

49.060 Letalska in vesoljska električna oprema in sistemi / Aerospace electric equipment and systems
<https://standards.iteh.org/standards/ef63e4cb-f41e59e73/sist-en-3841-100-2024>

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EUROPEAN STANDARD

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NORME EUROPÉENNE

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English Version

**Aerospace series - Circuit breakers - Test methods - Part
100: General**Série aérospatiale - Disjoncteurs - Méthodes d'essais -
Partie 100 : GénéralitésLuft- und Raumfahrt - Schutzschalter - Prüfverfahren -
Teil 100: Allgemeines

This European Standard was approved by CEN on 12 May 2024.

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

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

EN 3841-100:2024 (E)

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European foreword

This document (EN 3841-100:2024) has been prepared by 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 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2025, and conflicting national standards shall be withdrawn at the latest by April 2025.

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

This document supersedes EN 3841-100:2004.

The main changes with respect to the previous edition are as follows:

- EN 3841-100 (P2), 12/2004 — General editorial improvements and update to include 6,3 mm blade circuit breaker test method and to add retention of qualification.

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

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EN 3841-100:2024 (E)**1 Scope**

This document specifies the general conditions for test methods applicable to circuit breakers for aerospace applications.

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 2995-001:2023, *Aerospace series — Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A — Part 001: Technical specification*

EN 2995-006, *Aerospace series — Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A — Part 006: 6,3 mm & 2,8 mm blade terminal with polarized signal contact — Product standard*

EN 3773-006, *Aerospace series — Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A — Part 006: 6,3 mm blade terminal — Product standard*

EN 3774-006, *Aerospace series — Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A — Part 006: 6,3 mm blade terminal — Product standard*

EN 3841-201, *Aerospace series — Circuit breakers — Test methods — Part 201: Visual inspection*

EN 3841-202, *Aerospace series — Circuit breakers — Test methods — Part 202: Dimensions and masses*

EN 3841-301, *Aerospace series — Circuit breakers — Test methods — Part 301: Voltage drop*

EN 3841-302, *Aerospace series — Circuit breakers — Test methods — Part 302: Insulation resistance*

EN 3841-303, *Aerospace series — Circuit breakers — Test methods — Part 303: Dielectric strength*

EN 3841-304, *Aerospace series — Circuit breakers — Test methods — Part 304: Tripping points*

EN 3841-305, *Aerospace series — Circuit breakers — Test methods — Part 305: Short-circuit performance*

EN 3841-306, *Aerospace series — Circuit breakers — Test methods — Part 306: Service life*

EN 3841-307, *Aerospace series — Circuit breakers — Test methods — Part 307: Performance with a locked tripping system*

EN 3841-308, *Aerospace series — Circuit breakers — Test methods — Part 308: Lightning*

EN 3841-401, *Aerospace series — Circuit breakers — Test methods — Part 401: Sand and dust*

EN 3841-402, *Aerospace series — Circuit breakers — Test methods — Part 402: Corrosion*

EN 3841-403, *Aerospace series — Circuit breakers — Test methods — Part 403: Humidity*

EN 3841-404, *Aerospace series — Circuit breakers — Test methods — Part 404: Explosion proofness*