



SLOVENSKI STANDARD
SIST EN 3841-308:2005

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Aeronavtika - Odklopniki - Preskusne metode - 308. del: Strela

Aerospace series - Circuit breakers - Test methods - Part 308: Lightning

Luft- und Raumfahrt - Schutzschalter - Prüfverfahren - Teil 308: Blitz

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Série aérospatiale - Disjoncteurs - Méthodes d'essais - Partie 308 : Foudre

Ta slovenski standard je istoveten z: EN 3841-308:2004

SIST EN 3841-308:2005
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ICS:

49.060 Štejni sistemski napajalniki in oprema za letalstvo in vesoljske sisteme
Aerospace electric equipment and systems

SIST EN 3841-308:2005

en

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EUROPEAN STANDARD

EN 3841-308

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2004

ICS 49.060

English version

**Aerospace series - Circuit breakers - Test methods - Part 308:
Lightning**Série aéronautique - Disjoncteurs - Méthodes d'essais -
Partie 308 : FoudreLuft- und Raumfahrt - Schutzschalter - Prüfverfahren - Teil
308: Blitz

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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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 3841-308:2004) 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 3841-308:2004 (E)**1 Scope**

This standard specifies a method of verifying the ability of circuit breakers to withstand the indirect effects of a stroke of lightning.

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.

ISO 7137, *Aircraft – Environmental conditions and test procedures for airborne equipment*

EN 3841-100, *Aerospace series – Circuit breakers – Test methods – Part 100: General*

3 Method**3.1 Procedure**

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The circuit breakers shall be mounted to comply with Figure 22.2 in test procedure 3.8 of ISO 7137.

The circuit breakers shall be tested in accordance with the requirements of ISO 7137, test procedure 3.8 using the test levels quoted in the long wave test category M, (1 600 V and 320 A, duration 6,4 μ s, 70 μ s) in the test document quoted therein.

Five positive and five negative impulses shall be superposed every minute on each of the nominal voltages indicated in the technical specification. The circuit breakers shall be loaded at 0,9 I_n .

3.2 Requirement

The circuit breakers shall not trip during testing.