SLOVENSKI STANDARD
SIST EN 3841-505:2005

01-april-2005

Aeronavtika - Odklopniki - 505. del - Trdnost glavnih priključ kov

Aerospace series - Circuit breakers - Test methods - Part 505: Strength of main terminals

Luft- und Raumfahrt - Schutzschalter - Prüfverfahren - Teil 505: Festigkeit der Hauptkontakt-Anschlüsse

Série aérospatiale - Disjoncteurs - Méthodes d'essais - Partie 505 : Résistance des éléments de raccordement principaux

Ta slovenski standard je istoveten z: **EN 3841-505:2004**

ICS:

49.060	Letalska in vesoljska elektriį na oprema in sistemi	Aerospace electric equipment and systems

SIST EN 3841-505:2005 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 3841-505

December 2004

ICS 49.060

English version

Aerospace series - Circuit breakers - Test methods - Part 505: Strength of main terminals

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Luft- und Raumfahrt - Schutzschalter - Prüfverfahren - Teil 505: Festigkeit der Hauptkontakt-Anschlüsse

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

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Ref. No. EN 3841-505:2004: E

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Foreword

This document (EN 3841-505:2004) 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of an identical text or by endorsement, at the latest by June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.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 a method of verifying the strength of main terminals 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 Tightening torque

The connection screws shall be tightened to the torque specified in the technical specification. This torque shall be maintained for 1 min. The connection screws shall then be loosened. The test shall be carried out five times with each terminal.

3.2 Strength of the terminal bodies in the housing

The terminals shall be subjected to the withdrawal and pushing forces indicated in the product standard. The forces shall be maintained for 1 min.

3.3 Requirement

Requirements in accordance with technical specification and product standard.

The terminals and the housing of the circuit breakers shall neither break nor change their shape beyond the dimensional limits indicated in the product standard. The screw thread shall not be stripped.