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IRISH STANDARD

**I.S. EN 3841-403:2005**

ICS 49.060

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**AEROSPACE SERIES - CIRCUIT BREAKERS -  
TEST METHODS - PART 403: HUMIDITY**

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EUROPEAN STANDARD  
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English version

**Aerospace series - Circuit breakers - Test methods - Part 403:  
Humidity**

Série aérospatiale - Disjoncteurs - Méthodes d'essais -  
Partie 403 : Humidité

Luft- und Raumfahrt - Schutzschalter - Prüfverfahren - Teil  
403: Feuchtigkeit

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.

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## **Foreword**

This document (EN 3841-403:2004) 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of an identical text or by endorsement, at the latest by June 2005, and conflicting national standards shall be withdrawn at the latest by June 2005.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.

## **EN 3841-403:2004 (E)**

### **1 Scope**

This standard specifies a method of verifying the ability of circuit breakers to withstand a humidity test.

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 Mounting**

The circuit breakers shall be mounted on a support placed in the chamber so that no drops can fall on them.

#### **3.2 Procedure**

The circuit breakers shall be tested in the ON position. The humidity test shall be carried out according to test procedure 1.3 of ISO 7137. The technical specification shall specify the category.

#### **3.3 Requirement**

Requirements in accordance with technical specification and product standard.

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