

# Aerospace series — Requirements and test procedures for relays and contactors —

## Part 409: Ozone resistance

ICS 49.060

## National foreword

This British Standard is the UK implementation of EN 2349-409:2007.

The UK participation in its preparation was entrusted to Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology.

A list of organizations represented on this committee can be obtained on request to its secretary.

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 29 August 2008

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ISBN 978 0 580 56754 4

### Amendments/corrigenda issued since publication

Date	Comments

EUROPEAN STANDARD

**EN 2349-409**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2007

ICS 49.060

English Version

## Aerospace series - Requirements and test procedures for relays and contactors - Part 409: Ozone resistance

Série aérospatiale - Exigences et méthodes d'essais des  
relais et contacteurs - Partie 409 : Résistance à l'ozone

Luft- und Raumfahrt - Anforderungen und Prüfverfahren für  
Relais und Schaltschütze - Teil 409: Ozonbeständigkeit

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## Foreword

This document (EN 2349-409:2007) has been prepared by the AeroSpace and Defense Industries Association of Europe - Standardization (ASD-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 ASD, 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of an identical text or by endorsement, at the latest by October 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

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## 1 Scope

This standard specifies a method for checking the capability of relays and contactors to resist ozone.

It shall be used together with EN 2349-100.

## 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 2349-100, *Aerospace series — Requirements and test procedures for relays and contactors — Part 100: General requirements*<sup>1)</sup>

EN 2349-201, *Aerospace series — Requirements and test procedures for relays and contactors — Part 201: Visual inspection*

## 3 Method

### 3.1 Mounting

The relay or contactor shall be wired in accordance with the product standard and placed in an open air-circulating chamber.

### 3.2 Procedure

The relay or contactor shall be exposed for a period of 2 h at room temperature to the effects of ozone with a concentration of 0,010 % to 0,015 % volume.

## 4 Requirements

Test in accordance with EN 2349. No sign of damage shall occur.

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<sup>1)</sup> In preparation at the date of publication of this standard.



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