

**Aerospace series - Requirements and  
test procedures for relays and  
contactors - Part 317: Service life of coil  
switching device**

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procedures for relays and contactors - Part 317:  
Service life of coil switching device

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 2349-317:2006 sisaldab Euroopa standardi EN 2349-317:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 24.11.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 2349-317:2006 consists of the English text of the European standard EN 2349-317:2006.</p> <p>This document is endorsed on 24.11.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b></p> <p>This standard specifies a method for determining the service life of coil switching devices in relays and contactors. It shall be used together with EN 2349-100.</p>	<p><b>Scope:</b></p> <p>This standard specifies a method for determining the service life of coil switching devices in relays and contactors. It shall be used together with EN 2349-100.</p>
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ICS 49.060

Võtmesõnad:

ICS 49.060

English Version

**Aerospace series - Requirements and test procedures for relays  
and contactors - Part 317: Service life of coil switching device**

Série aérospatiale - Exigences et méthodes d'essais des  
relais et contacteurs - Partie 317 : Durée de vie bobine

Luft- und Raumfahrt - Anforderungen und Prüfverfahren für  
Relais und Schaltschütze - Teil 317: Lebensdauer der  
Spule des Schaltgerätes

This European Standard was approved by CEN on 19 May 2006.

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## Foreword

This document (EN 2349-317:2006) has been prepared by the Aerospace and Defence 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 April 2007, and conflicting national standards shall be withdrawn at the latest by April 2007.

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

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## 1 Scope

This standard specifies a method for determining the service life of coil switching devices in relays and contactors. 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*

EN 2349-202, *Aerospace series — Requirements and test procedures for relays and contactors — Part 202: Examination of dimensions and mass*

EN 2349-301, *Aerospace series — Requirements and test procedures for relays and contactors — Part 301: Pick-up and drop-out voltage*

EN 2349-308, *Aerospace series — Requirements and test procedures for relays and contactors — Part 308: Coil current*

EN 2349-309, *Aerospace series — Requirements and test procedures for relays and contactors — Part 309: Exported spikes*

## 3 Method

### 3.1 Mounting

The relay or contactor shall be wired in accordance with EN 2349-100 and placed in a heating cabinet. The coil of the relay or contactor shall be connected through a switch to the power source.

### 3.2 Test procedures

**3.2.1** The temperature of the heating cabinet shall be brought to the level specified in the product standard.

**3.2.2** The relay shall be energized with the maximum rated voltage specified in the product standard.

**3.2.3** Test cycle:

- coil energized: 3 h;
- coil de-energized: 0,5 h.

Number of cycles: 200

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