



SLOVENSKI STANDARD

SIST EN 2349-317:2009

01-maj-2009

**Aeronavtika - Zahteve in preskusni postopki za releje in kontaktorje - 317. del:
Življenjska doba tuljave v stikalnih napravah**

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

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

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

[SIST EN 2349-317:2009](https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009)

[https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-](https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009)

[9ef99a528533/sist-en-2349-317-2009](https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009)

Ta slovenski standard je istoveten z: EN 2349-317:2006

ICS:

49.060

Številni sistemi za
električno opremo in sisteme

Aerospace electric
equipment and systems

SIST EN 2349-317:2009

en,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 2349-317:2009

<https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2349-317

October 2006

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.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

SIST EN 2349-317:2009

<https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009>



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Method	4
4 Requirements	5

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 2349-317:2009

<https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009>

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.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

ITEH STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 2349-317:2009

<https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009>

EN 2349-317:2006 (E)**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* ¹⁾

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*

STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009>

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

¹⁾ In preparation at the date of publication of this standard.

3.2.4 The coil voltage shall be switched off and the temperature of the heating cabinet reduced to the minimum temperature specified in the product standard.

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

3.2.6 Test cycle:

— coil energized: 3 h;

— coil de-energized: 0,5 h.

Number of cycles: 100

3.2.7 On completion of the tests the power shall be switched off and the test samples removed from the heating cabinet.

4 Requirements

Test in accordance with EN 2349-201, EN 2349-202, EN 2349-301, EN 2349-308 and EN 2349-309.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 2349-317:2009](https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009)

<https://standards.iteh.ai/catalog/standards/sist/dfd578b6-9c0a-4e8f-9908-9ef99a528533/sist-en-2349-317-2009>