

**Aerospace series - Connectors,
electrical, circular, bayonet coupling,
operating temperature 175 °C or 200 °C
continuous - Part 002: Specification of
performance and contact arrangements**

Aerospace series - Connectors, electrical, circular,
bayonet coupling, operating temperature 175 °C or
200 °C continuous - Part 002: Specification of
performance and contact arrangements

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 3646-002:2007 sisaldab Euroopa standardi EN 3646-002:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 31.05.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 3646-002:2007 consists of the English text of the European standard EN 3646-002:2007.</p> <p>This document is endorsed on 31.05.2007 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>Käsitlusala: This standard defines the performances and contact arrangements groups for bayonet coupling circular connectors, intended for use in an operating temperature range of – 65 °C to 175 °C or 200 °C continuous.</p>	<p>Scope: This standard defines the performances and contact arrangements groups for bayonet coupling circular connectors, intended for use in an operating temperature range of – 65 °C to 175 °C or 200 °C continuous.</p>
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ICS 49.060

Võtmesõnad: aerospace transport, air transport, management, performance, specification

ICS 49.060

English Version

Aerospace series - Connectors, electrical, circular, bayonet
coupling, operating temperature 175 °C or 200 °C continuous -
Part 002: Specification of performance and contact
arrangements

Série aérospatiale - Connecteurs électriques circulaires à
accouplement par baïonnettes, température d'utilisation
175 °C ou 200 °C continu - Partie 002 : Spécification de
performances et arrangements des contacts

Luft- und Raumfahrt - Elektrische Rundsteckverbinder,
Bajonettkupplung, Betriebstemperatur 175 °C oder 200 °C
konstant - Teil 002: Leistungsdaten und
Kontaktanordnungen

This European Standard was approved by CEN on 30 September 2005.

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Foreword

This document (EN 3646-002:2007) 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 September 2007, and conflicting national standards shall be withdrawn at the latest by September 2007.

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0 Introduction

This family of connectors is derived from MIL-C-26482 series 2, the NAS 1599 with it is intermateable.

1 Scope

This standard defines the performances and contact arrangements groups for bayonet coupling circular connectors, intended for use in an operating temperature range of – 65 °C to 175 °C or 200 °C continuous.

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 2591-209, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 209: Current temperature derating*

EN 3155-002, *Aerospace series — Electrical contacts used in elements of connection — Part 002: List and utilization of contacts*

EN 3197, *Aerospace series — Installation of aircraft electrical and optical interconnection systems*¹⁾

EN 3646 (series), *Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous*

EN 3646-001, *Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous — Part 001: Technical specification*

EN 3660-002, *Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 002: Index of product standards*

EN 4529-002, *Aerospace series — Elements of electrical and optical connection — Sealing plugs — Part 002: Index of products standards*

MIL-C-26482G, *Connector, Electrical, (Circular, Miniature, Quick Disconnect, Environment Resisting), Receptacles and Plugs, General Specification for*²⁾

NAS 1599, *(Inactive) Connectors, General Purpose, Electrical, Miniature Circular, Environment Resisting, 200 °C Maximum Temperature*³⁾

1) Published as ASD Prestandard at the date of publication of this standard.

2) Published by: Department of Defense (DOD), the Pentagon, Washington, DC 20301, USA.

3) Published by: Aerospace Industries Association of America, Inc. (AIA), 1250 Eye Street, NW; Suite 1100, Washington, DC 20005, USA.