

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 003: Receptacle, square flange mounting - Product standard

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 003: Receptacle, square flange mounting - Product standard

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 3646-003:2006 sisaldab Euroopa standardi EN 3646-003:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.06.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 3646-003:2006 consists of the English text of the European standard EN 3646-003:2006.</p> <p>This document is endorsed on 29.06.2006 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>
--	---

<p>Käsitlusala: This standard defines the characteristics of square flange receptacles of the family of 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 characteristics of square flange receptacles of the family of bayonet coupling circular connectors, intended for use in an operating temperature range of – 65 °C to 175 °C or 200 °C continuous.</p>
--	--

ICS 49.060

Võtmesõnad:

ICS 49.060

English Version

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous - Part 003: Receptacle, square flange mounting - Product standard

Série aérospatiale - Connecteurs électriques circulaires à accouplement par baïonnettes, température d'utilisation 175 °C ou 200 °C continu - Partie 003 : Embase à fixation par collerette carrée - Norme de produit

Luft- und Raumfahrt - Elektrische Rundsteckverbinder mit Bajonettkupplung, Betriebstemperatur 175 °C oder 200 °C konstant - Teil 003: Fester Steckverbinder mit quadratischem Montageflansch - Produktnorm

This European Standard was approved by CEN on 3 February 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.



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 Terms and definitions	4
4 Required characteristics	4
5 Designation	7
6 Marking	8
7 Technical specification	8

Foreword

This European Standard (EN 3646-003:2006) 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 November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

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.

1 Scope

This standard defines the characteristics of square flange receptacles of the family of bayonet coupling circular connectors, intended for use in an operating temperature range of $-65\text{ }^{\circ}\text{C}$ to $175\text{ }^{\circ}\text{C}$ or $200\text{ }^{\circ}\text{C}$ continuous.

It applies to models defined in Table 3.

For contact, filler plugs and rear accessories associated with this receptacle see EN 3646-002. For plugs and protective covers see EN 3646-008 and EN 3646-009 respectively.

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

EN 3646-001, *Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature $175\text{ }^{\circ}\text{C}$ or $200\text{ }^{\circ}\text{C}$ continuous — Part 001: Technical specification.*¹⁾

EN 3646-002, *Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature $175\text{ }^{\circ}\text{C}$ or $200\text{ }^{\circ}\text{C}$ continuous — Part 002: Specification of performance and contact arrangements.*

EN 3646-008, *Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature $175\text{ }^{\circ}\text{C}$ or $200\text{ }^{\circ}\text{C}$ continuous — Part 008: Plug — Product standard.*

EN 3646-009, *Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature $175\text{ }^{\circ}\text{C}$ or $200\text{ }^{\circ}\text{C}$ continuous — Part 009: Protective cover for receptacle — Product standard.*

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3646-001 apply.

4 Required characteristics

4.1 Dimensions and mass

See Figure 1 and Table 1.

Dimensions and tolerances are in millimetres, they apply after surface treatment.

Interface mating and rear dimensions see EN 3646-001.

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