SLOVENSKI STANDARD
oSIST prEN 3646-004:2024

01-junij-2024

Aeronavtika - Konektorji, električni, okrogli, z bajonetnim spojem, neprekinjena delovna temperatura 175 °C - 004. del: Vtičnica, vgradnja z matico - Standard izdelka

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C continuous - Part 004: Receptacle, jam-nut mounting - Product standard

Luft- und Raumfahrt - Elektrische Rundsteckverbinder mit Bajonettkupplung, Betriebstemperatur 175 °C oder 200 °C konstant - Teil 004: Fester Steckverbinder mit Mutternbefestigung - Produktnorm

Série aérospatiale - Connecteurs électriques circulaires à accouplement par baïonenettes, température d'utilisation 175 °C ou 200 °C continu - Partie 004 : Embasse à fixation par écrou - Norme de produit

Ta slovenski standard je istoveten z: prEN 3646-004

ICS:

31.220.10	Vtiči in vtičnice, konektorji	Plug-and-socket devices. Connectors
49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 3646-004

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ICS 49.060

Will supersede EN 3646-004:2015

English Version

Aerospace series - Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C continuous - Part 004: Receptacle, jam-nut mounting - Product standard

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Luft- und Raumfahrt - Elektrische Rundsteckverbinder mit Bajonettkupplung, Betriebstemperatur 175 °C oder 200 °C konstant - Teil 004: Fester Steckverbinder mit Mutternbefestigung - Produktnorm

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Ref. No. prEN 3646-004:2024 E

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European foreword

This document (prEN 3646-004:2024) has been prepared by ASD-STAN.

After enquiries and votes carried out in accordance with the rules of this Association, this document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 3646-004:2015.

This document includes the following significant technical changes with respect to EN 3646-004:2015:

— possibility to have six equally spaced holes in the jam nut for locking wire added;

— Figure 1 updated.

1 Scope

This document specifies the characteristics of the jam-nut mounted 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.

This document applies to models specified in Table 4.

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 documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 °C or 200 °C continuous — Part 001: Technical specification*

EN 3646-002, *Aerospace series — Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous — Part 002: Specification of performance and contact arrangements*

ISO 3161, Aerospace — UNJ threads — General requirements and limit dimensions[1]

3 Terms and definitions

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp/

— IEC Electropedia: available at https://www.electropedia.org/

4 Required characteristics

4.1 Dimensions and mass

Dimensions and mass shall be according to Figure 1 and Table 1.

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

Interface mating and rear dimensions according to EN 3646-001.

[1] Published by: International Organization for Standardization (ISO), http://www.iso.org/.