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**Aeronavtika - Konektorji, električni, okrogli, priključeni z navojnim obročkom, odporni ali neodporni proti ognju, s stalno delovno temperaturo med  $-65\text{ °C}$  in  $175\text{ °C}$ , stalno  $200\text{ °C}$ , najvišjo  $260\text{ °C}$  - 004. del: Pritrditev z zaklepom matice - Standard za proizvod**

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -  $65\text{ °C}$  to  $175\text{ °C}$  continuous,  $200\text{ °C}$  continuous,  $260\text{ °C}$  peak - Part 004: Jam-nut mounted receptacle - Product standard

Luft- und Raumfahrt - Elektrische Rundsteckverbinder mit Schraubkupplung, feuerbeständig oder nicht feuerbeständig, Betriebstemperaturen -  $65\text{ °C}$  bis  $175\text{ °C}$  konstant,  $200\text{ °C}$  konstant,  $260\text{ °C}$  Spitze - Teil 004: Fester Steckverbinder mit Mutterbefestigung - Produktnorm

Série aérospatiale - Connecteurs électriques circulaires à accouplement par bague fileté, résistant au feu ou non, températures d'utilisation  $-65\text{ °C}$  à  $175\text{ °C}$  continu,  $200\text{ °C}$  continu,  $260\text{ °C}$  en pointe - Partie 004 : Embase à fixation par écrou - Norme de produit

**Ta slovenski standard je istoveten z: EN 2997-004:2024**

**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

**SIST EN 2997-004:2024****en,fr,de**



EUROPEAN STANDARD

EN 2997-004

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2024

ICS 49.060

Supersedes EN 2997-004:2006

English Version

**Aerospace series - Connectors, electrical, circular, coupled  
by threaded ring, fire-resistant or non fire-resistant,  
operating temperatures - 65 °C to 175 °C continuous, 200  
°C continuous, 260 °C peak - Part 004: Jam-nut mounted  
receptacle - Product standard**

Série aérospatiale - Connecteurs électriques circulaires  
à accouplement par bague filetée, résistant au feu ou  
non, températures d'utilisation -65 °C à 175 °C continu,  
200 °C continu, 260 °C en pointe - Partie 004 : Embase  
à fixation par écrou - Norme de produit

Luft- und Raumfahrt - Elektrische Rundsteckverbinder  
mit Schraubkupplung, feuerbeständig oder nicht  
feuerbeständig, Betriebstemperaturen - 65 °C bis 175  
°C konstant, 200 °C konstant, 260 °C Spitze - Teil 004:  
Fester Steckverbinder mit Mutterbefestigung -  
Produktnorm

This European Standard was approved by CEN on 15 October 2023.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

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## European foreword

This document (EN 2997-004:2024) 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 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 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 August 2024, and conflicting national standards shall be withdrawn at the latest by August 2024.

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

This document supersedes EN 2997-004:2006.

The main changes between this edition and the previous edition are listed in Table A.1.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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## EN 2997-004:2024 (E)

### 1 Scope

This document specifies the characteristics of jam-nut mounted receptacles in the family of circular electrical connectors coupled by threaded ring.

It is applicable to the class specified in Table 4.

For contacts, filler plugs, and rear accessories associated with this receptacle, see EN 2997-002. For plugs and protective covers, see EN 2997-008 and EN 2997-009 respectively. For spare jam-nuts and o-rings, see EN 2997-012 and EN 2997-013 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 2997-001, *Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 001: Technical specification*

EN 2997-002, *Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 002: Specification of performance and contact arrangements*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 2997-001 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 in accordance with Figure 1 and Table 1.

Dimensions are in millimetres; they apply after surface treatment.