



# SLOVENSKI STANDARD

## SIST EN 4165-024:2011

01-november-2011

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**Aeronavtika - Konektorji, električni, pravokotni, modularni - Stalna delovna temperatura 175 °C - 024. del: Enojni modulni vtič - Standard za izdelek**

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 024: Single module plug - Product standard

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder Modularbauweise - Betriebstemperatur 175 °C konstant - Teil 024: Freier Steker, für ein Modul - Produktnorm

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Série aérospatiale - Connecteurs électriques rectangulaires, modulaires - Température d'utilisation 175 °C continu - Partie 024 : Fiche mono-module - Norme de produit

<https://standards.iteh.ai/catalog/standards/sist/127751b-4b95-466d-857d-bb8397d7bfa/sist-en-4165-024-2011>

**Ta slovenski standard je istoveten z: EN 4165-024:2011**

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**ICS:**

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems
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**SIST EN 4165-024:2011**

**en,fr,de**

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EUROPEAN STANDARD

EN 4165-024

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2011

ICS 49.060

English Version

Aerospace series - Connectors, electrical, rectangular, modular -  
Operating temperature 175 °C continuous - Part 024: Single  
module plug - Product standard

Série aérospatiale - Connecteurs électriques  
rectangulaires, modulaires - Température d'utilisation 175  
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Modularbauweise - Betriebstemperatur 175 °C konstant -  
Teil 024: Freier Steker, für ein Modul - Produktnorm

This European Standard was approved by CEN on 12 February 2011.

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



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## Foreword

This document (EN 4165-024:2011) 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 October 2011, and conflicting national standards shall be withdrawn at the latest by October 2011.

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, Bulgaria, Croatia, 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.

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**EN 4165-024:2011 (E)****1 Scope**

This European Standard defines the single module plug used in the family of rectangular electrical connectors. The receptacle corresponding to this plug is defined in EN 4165-025. Accessories and protective cover corresponding to those plugs are defined in EN 4165-026. The cavity of this connector is uncoded, so it can accept polarized modules N, A, B, C and D as defined in EN 4165-002.

**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 2424, *Aerospace series — Marking of aerospace products*

EN 4165-001, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 001: Technical specification*

EN 4165-002, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 002: Specification of performance and contact arrangements*

**3 Terms and definitions**

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For the purposes of this document, the terms and definitions given in EN 4165-001 apply.

**4 Required characteristics**

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**4.1 Single module plug design**

Dimensions and positions of keying polarization see EN 4165-001.

Colour of locking system according polarization, see Clause 5.

See Figures 1 to 9.

Dimensions are in millimetres.

Mass = 10,6 g max.

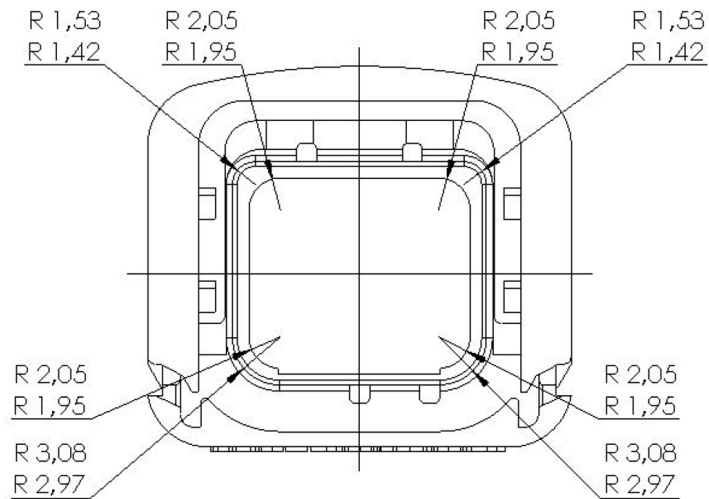
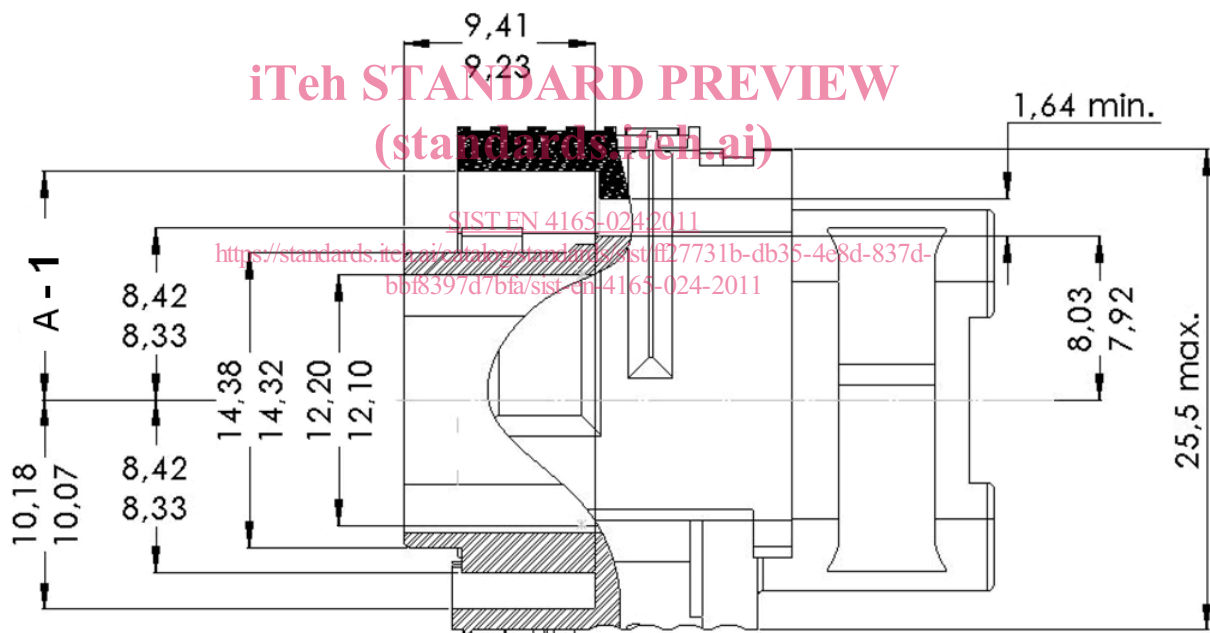


Figure 1



**Key**

- 1 Locking side down  $A = 9,1$  min.

Figure 2

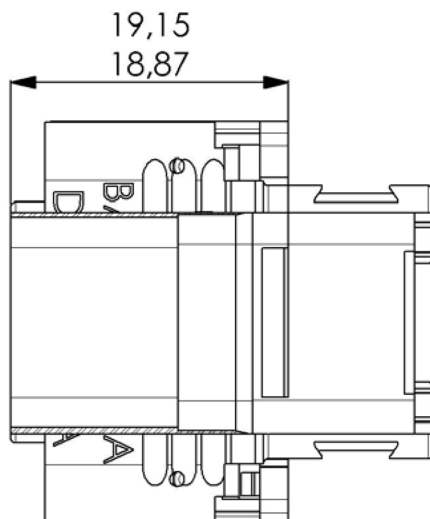
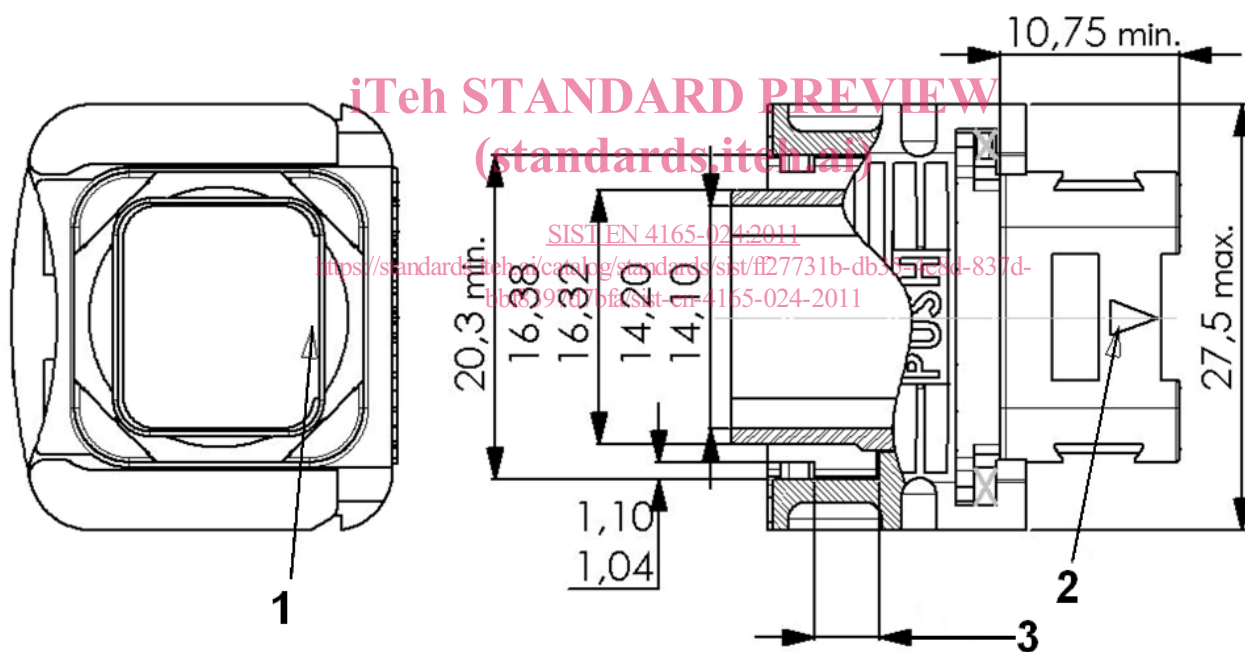


Figure 3

**Key**

- 1 Module keying
- 2 Index for rear accessory orientation (opposite side from keying module)
- 3 Locking slide at connected position:  $B$  4,03  
3,77

Figure 4



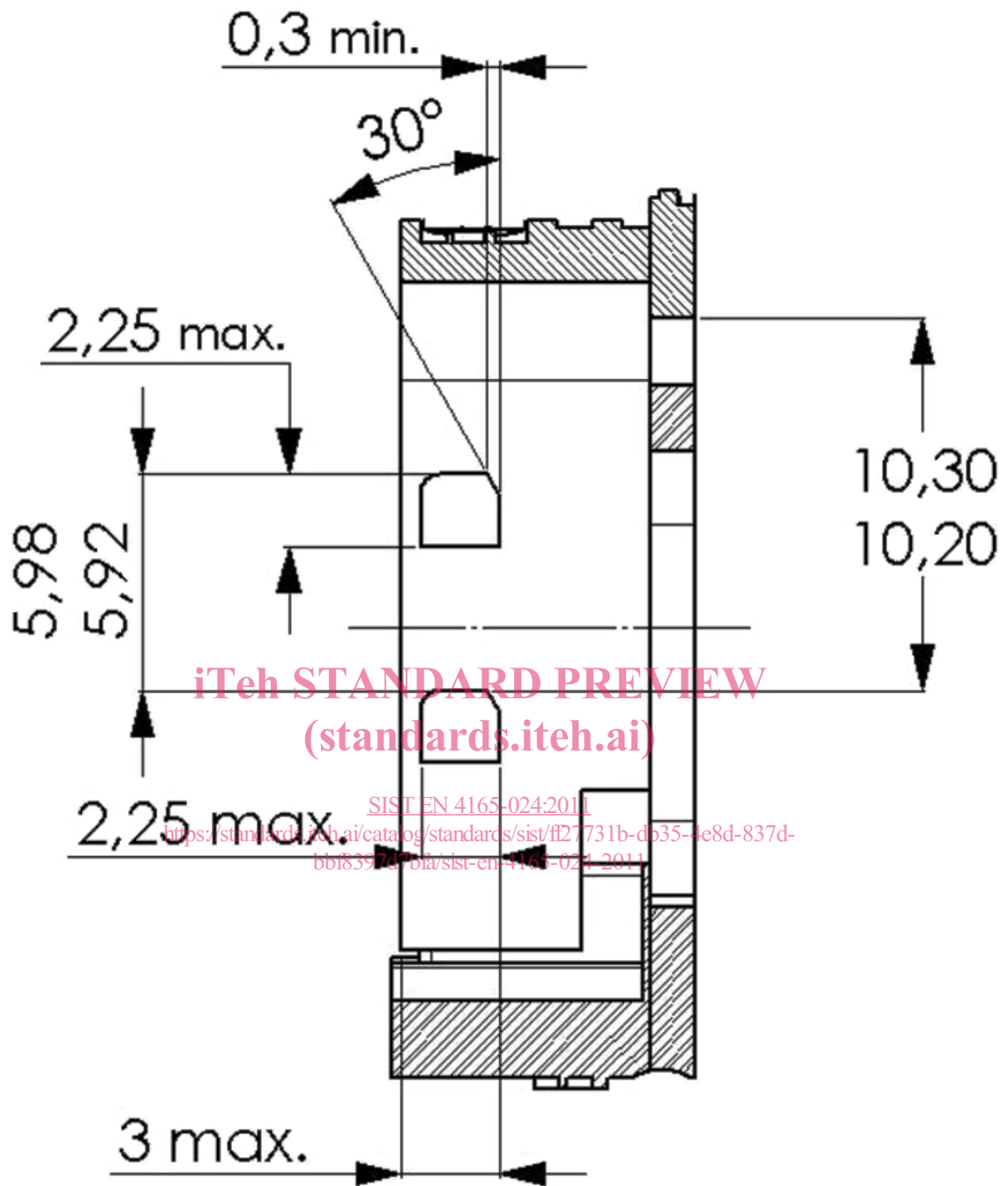


Figure 5 — Detail of bayonet location