SLOVENSKI STANDARD
oSIST prEN 4165-024:2022

01-februar-2022

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

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

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise - Betriebstemperatur 175 °C konstant - Teil 024: Freier Steckverbinder für Einzelmodule - Produktnorm

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

Ta slovenski standard je istoveten z: **prEN 4165-024**

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

oSIST prEN 4165-024:2022 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 4165-024

December 2021

ICS 49.060

Will supersede EN 4165-024:2017

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 °C continu - Partie 024 : Fiche mono-module - Norme de produit

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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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. prEN 4165-024:2021 E

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European foreword

This document (prEN 4165-024:2021) 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, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 4165-024:2017.

1 Scope

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

3 Terms and definitions

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

ISO and IEC maintain terminological 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 Single module plug design

For dimensions, alternative design and positions of keying polarization, see EN 4165-001.

For the colour of locking system according to polarization, see Clause 5.

See Figure 1 to Figure 8.

Mass = 10,6 g max.

Dimensions in millimetres

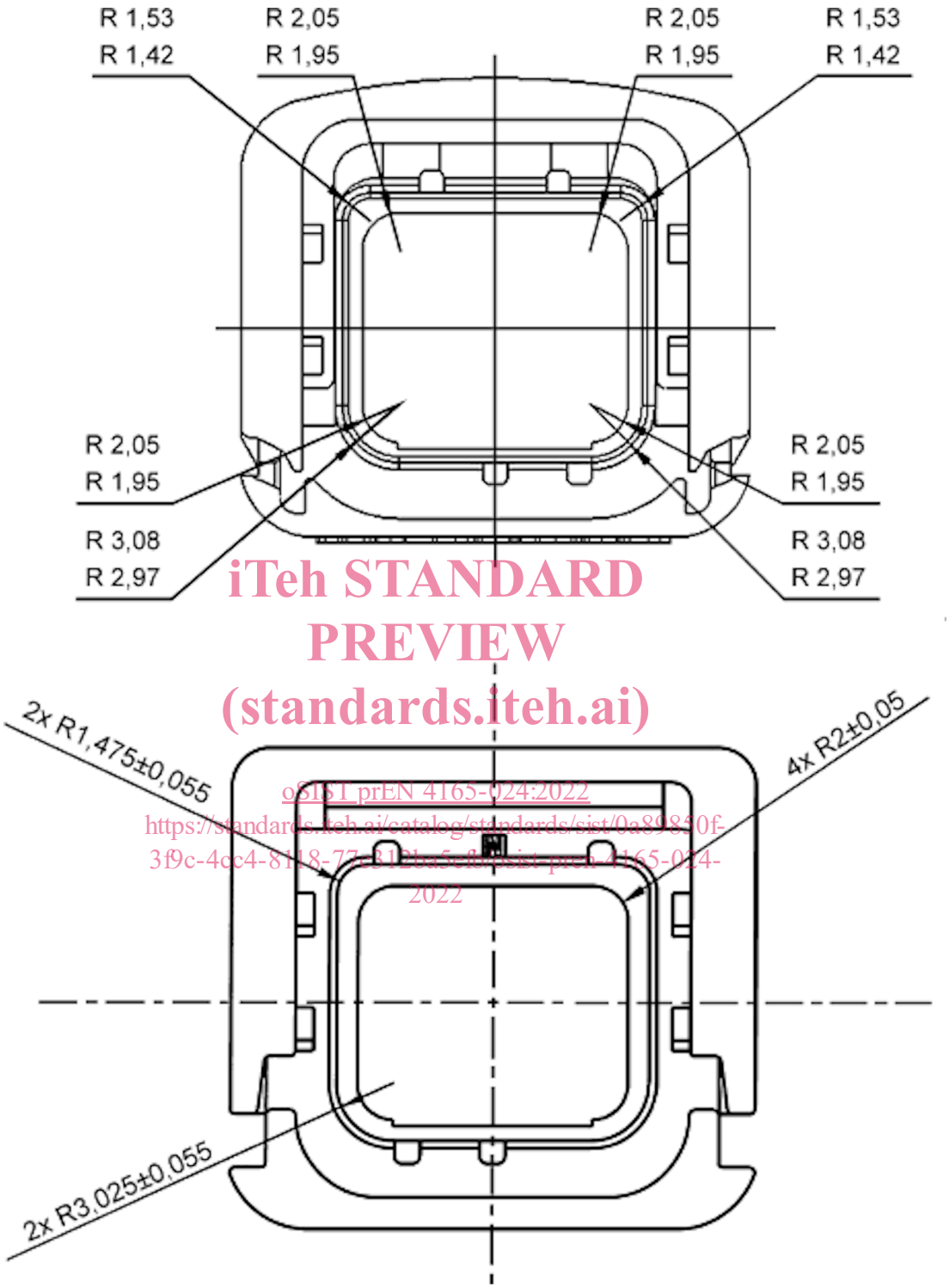
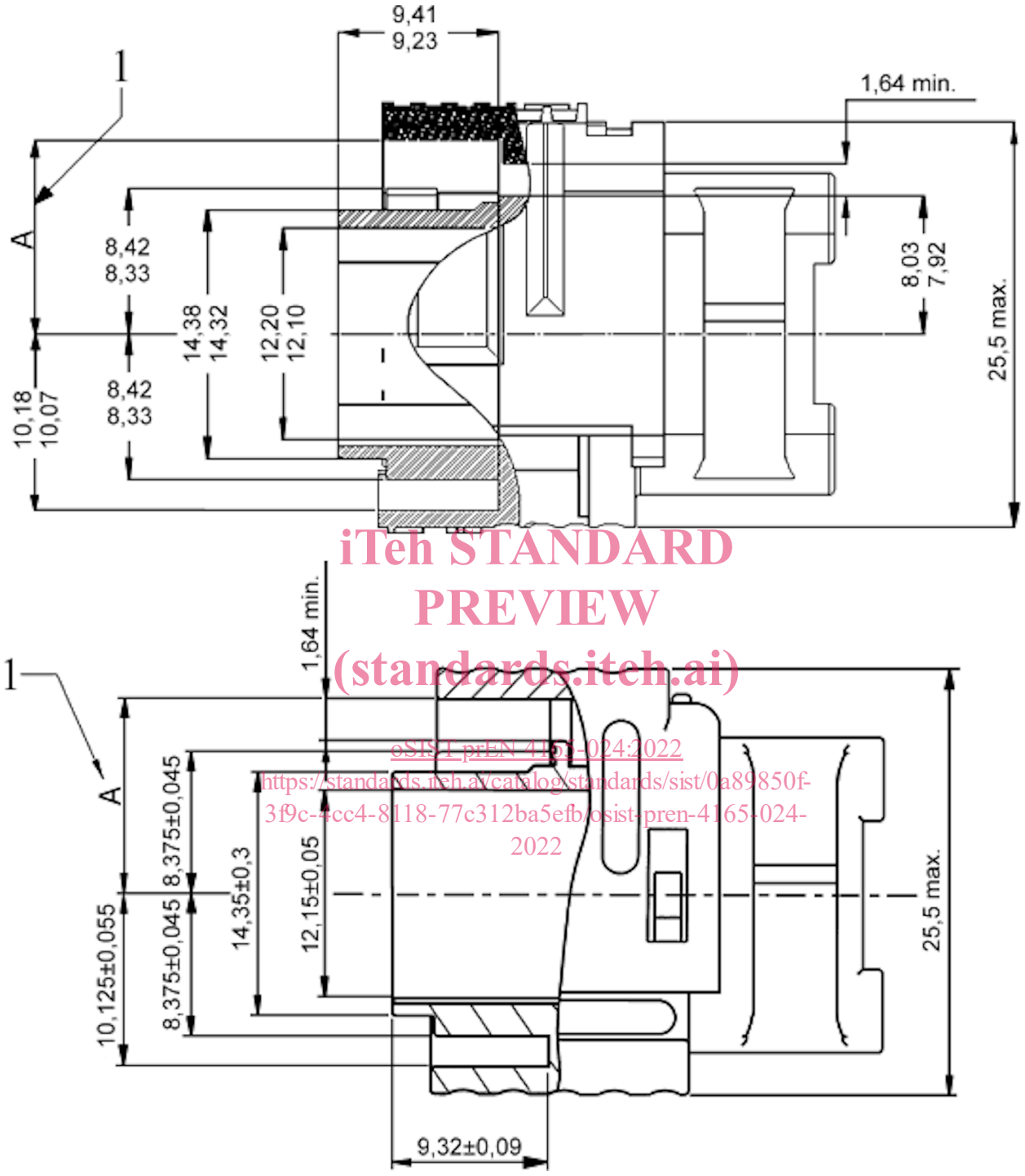


Figure 1 — With alternatives designs

Dimensions in millimetres



Key

1 Locking side down A = 9,1 min.

Figure 2 — With alternatives designs

Dimensions in millimetres

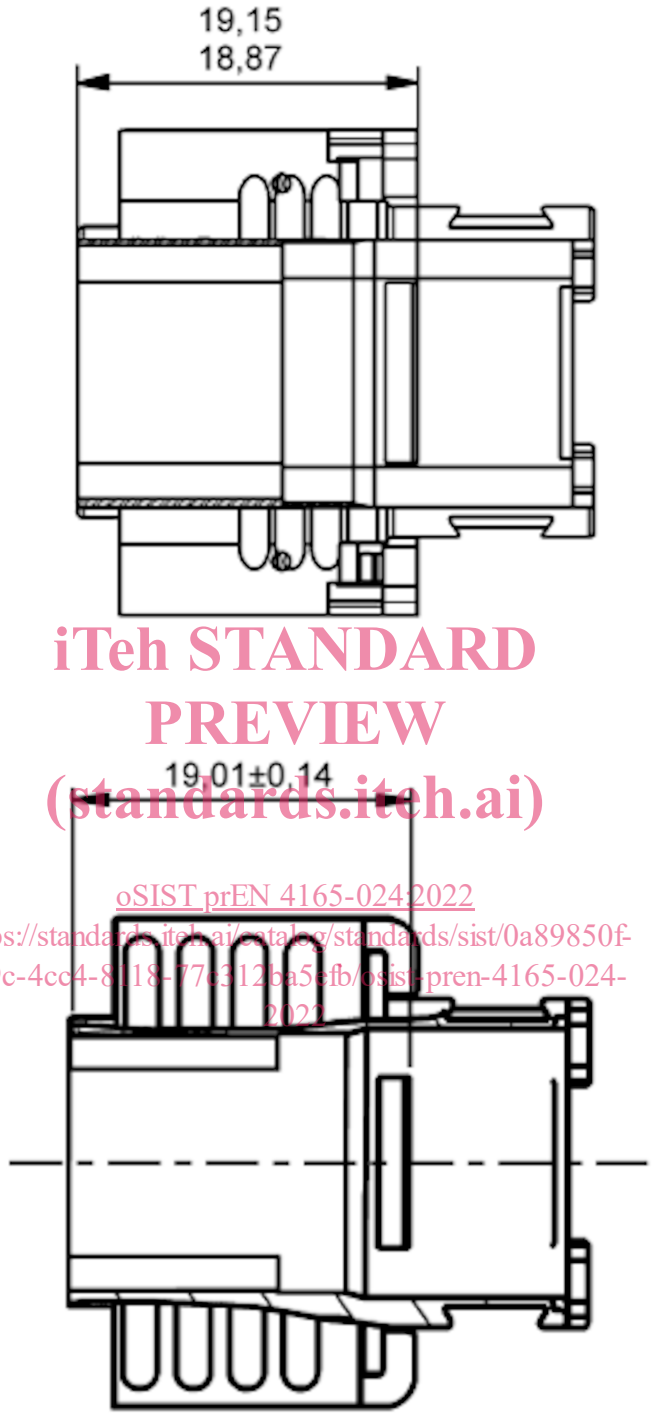
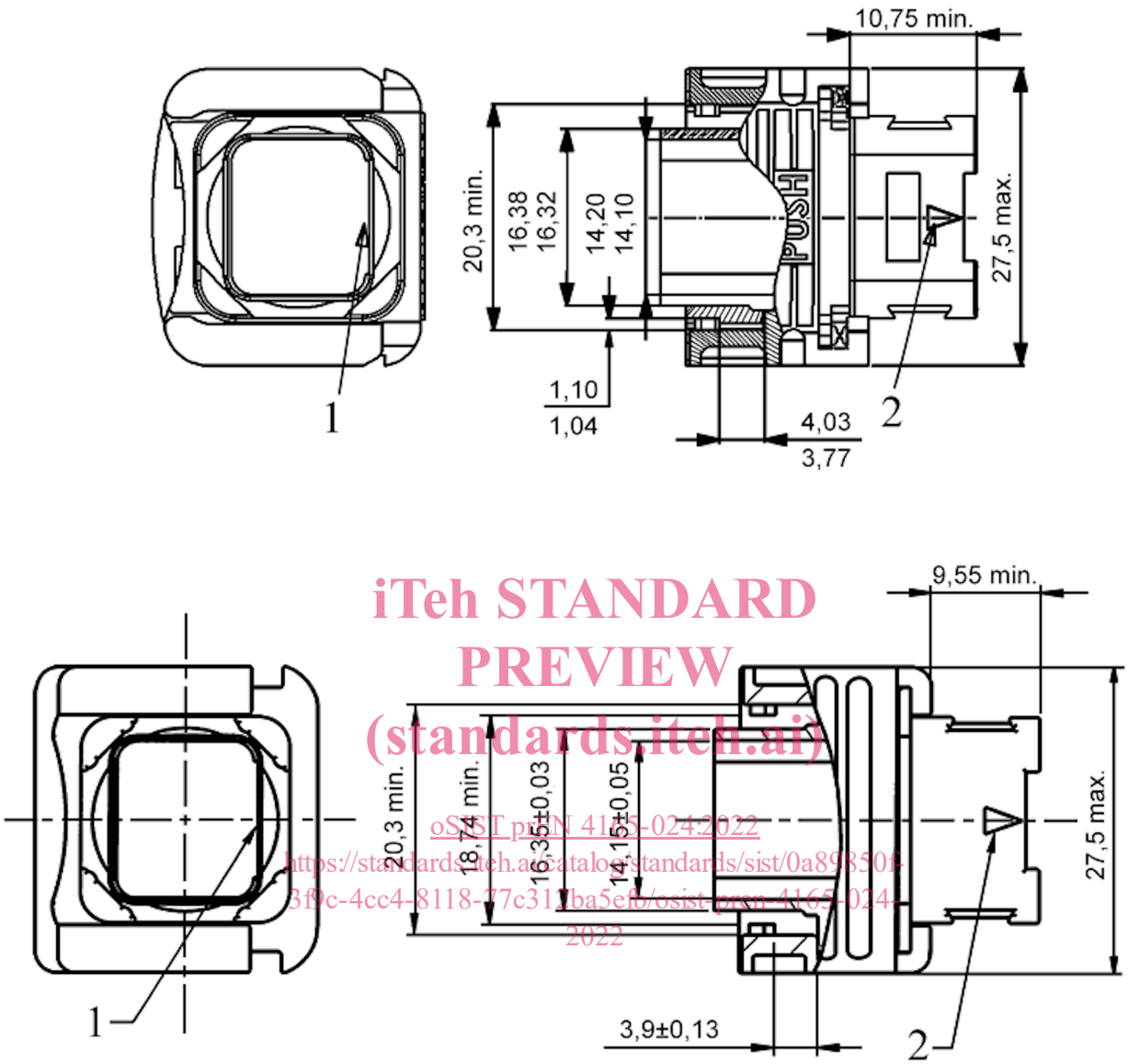


Figure 3 — With alternatives designs

Dimensions in millimetres



Key

1 Module keying

2 Index for rear accessory orientation (opposite side from keying module)

Figure 4 — With alternatives designs