



SLOVENSKI STANDARD
oSIST prEN 4165-025:2022

01-februar-2022

Aeronavtika - Konektorji, električni, pravokotni, modularni - Stalna delovna temperatura 175 °C - 025. del: Enojna modulna priključna doza - Standard za proizvod

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 025: Single module receptacle - Product standard

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise - Betriebstemperatur 175 °C konstant - Teil 025: Fester Steckverbinder für Einzelmodul - Produktnorm

Série aérospatiale - Connecteurs électriques rectangulaires modulaires - Température d'utilisation 175 °C continu - Partie 025: Embase mono module - Norme de produit

Ta slovenski standard je istoveten z: prEN 4165-025

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 4165-025:2022

en,fr,de

**iTeh STANDARD
PREVIEW
(standards.iteh.ai)**

[oSIST prEN 4165-025:2022](https://standards.iteh.ai/catalog/standards/sist/ae2ef56f-e78f-419c-83a4-7b47f9009bc9/osist-pren-4165-025-2022)

<https://standards.iteh.ai/catalog/standards/sist/ae2ef56f-e78f-419c-83a4-7b47f9009bc9/osist-pren-4165-025-2022>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 4165-025

December 2021

ICS 49.060

Will supersede EN 4165-025:2017

English Version

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 025: Single module receptacle - Product standard

Série aérospatiale - Connecteurs électriques
rectangulaires modulaires - Température d'utilisation
175 °C continu - Partie 025 : Embase mono module -
Norme de produit

Luft- und Raumfahrt - Elektrischer
Rechtecksteckverbinder in modularer Bauweise -
Betriebstemperatur 175 °C konstant - Teil 025: Fester
Steckverbinder für Einzelmodul - 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.

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, Turkey and United Kingdom.

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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

Contents	Page
European foreword	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions.....	4
4 Required characteristics.....	4
4.1 Single module flange receptacle design (short receptacle) Type 0.....	4
4.2 Single module jack receptacle (extender) design (long receptacle) Type 7.....	9
4.3 Single module extender rear accessory attachment design for Type 7 only.....	14
4.4 Class.....	17
4.5 Panel cut-out.....	17
4.6 Additional parts.....	20
4.6.1 Colour coding plate (Type code C).....	20
4.6.2 Nut plate (Type code D).....	23
4.6.3 Sealing gasket (Type code E).....	24
5 Designation.....	25
5.1 Designation of receptacle.....	25
5.2 Designation of colour coding plate.....	26
5.3 Designation of nut plate.....	26
5.4 Designation of sealing gasket.....	26
6 Marking.....	27
7 Technical specification.....	27
8 Mounting example.....	27
Bibliography	28

European foreword

This document (prEN 4165-025:2021) 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-STAN, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 4165-025:2017.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[oSIST prEN 4165-025:2022](https://standards.iteh.ai/catalog/standards/sist/ae2ef56f-e78f-419c-83a4-7b47f9009bc9/osist-pren-4165-025-2022)

<https://standards.iteh.ai/catalog/standards/sist/ae2ef56f-e78f-419c-83a4-7b47f9009bc9/osist-pren-4165-025-2022>

prEN 4165-025:2021 (E)**1 Scope**

This document defines the single module receptacle used in the family of rectangular electrical connectors. The plug corresponding to this receptacle is defined in EN 4165-024. 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 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 flange receptacle design (short receptacle) Type 0**

Dimensions, alternative design and positions of keying polarization, see Clause 5. See Figure 1, Figure 2, Figure 3 and Figure 4.

Dimensions are in millimetres.

Mass = 6 g max.

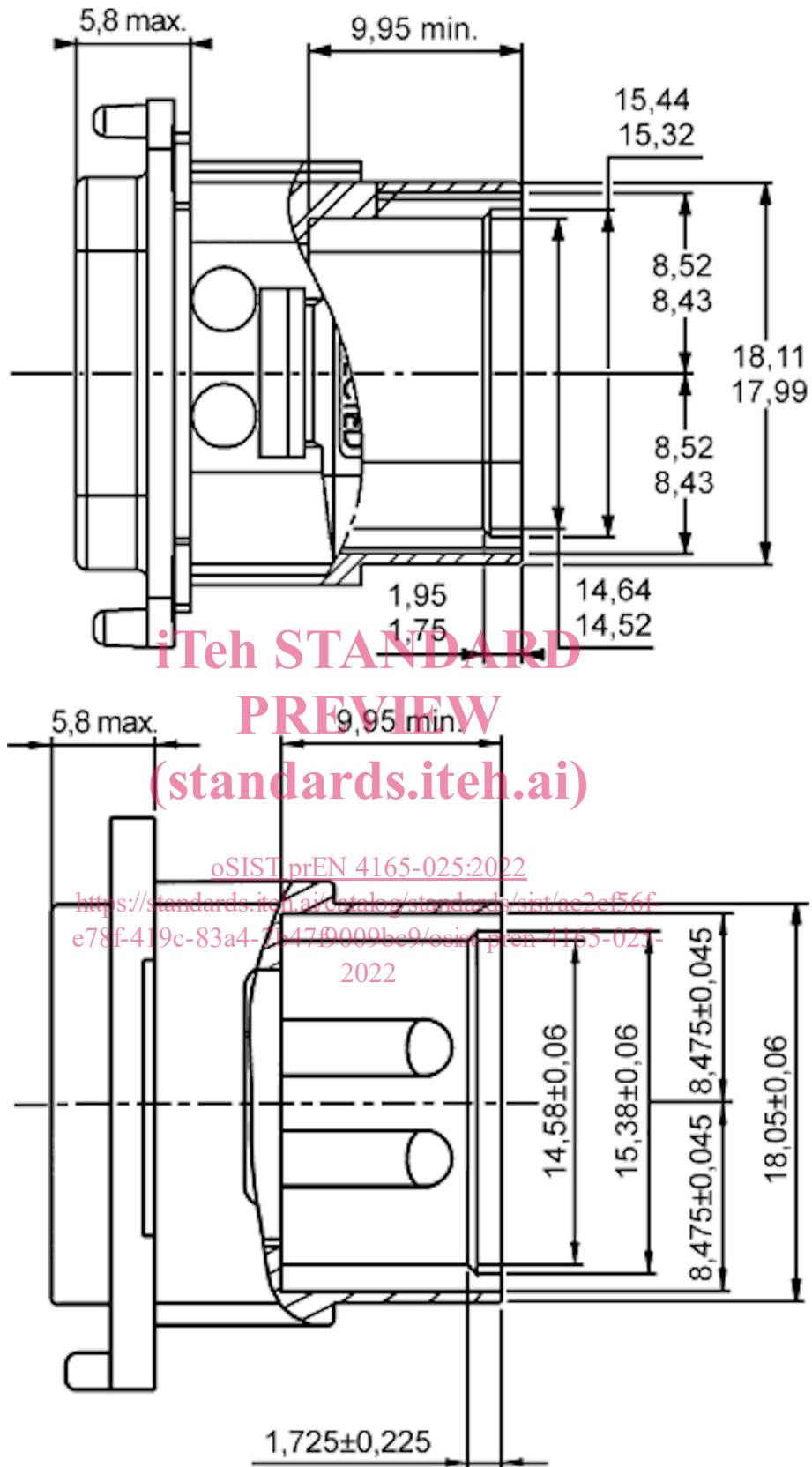


Figure 1 — With alternative designs

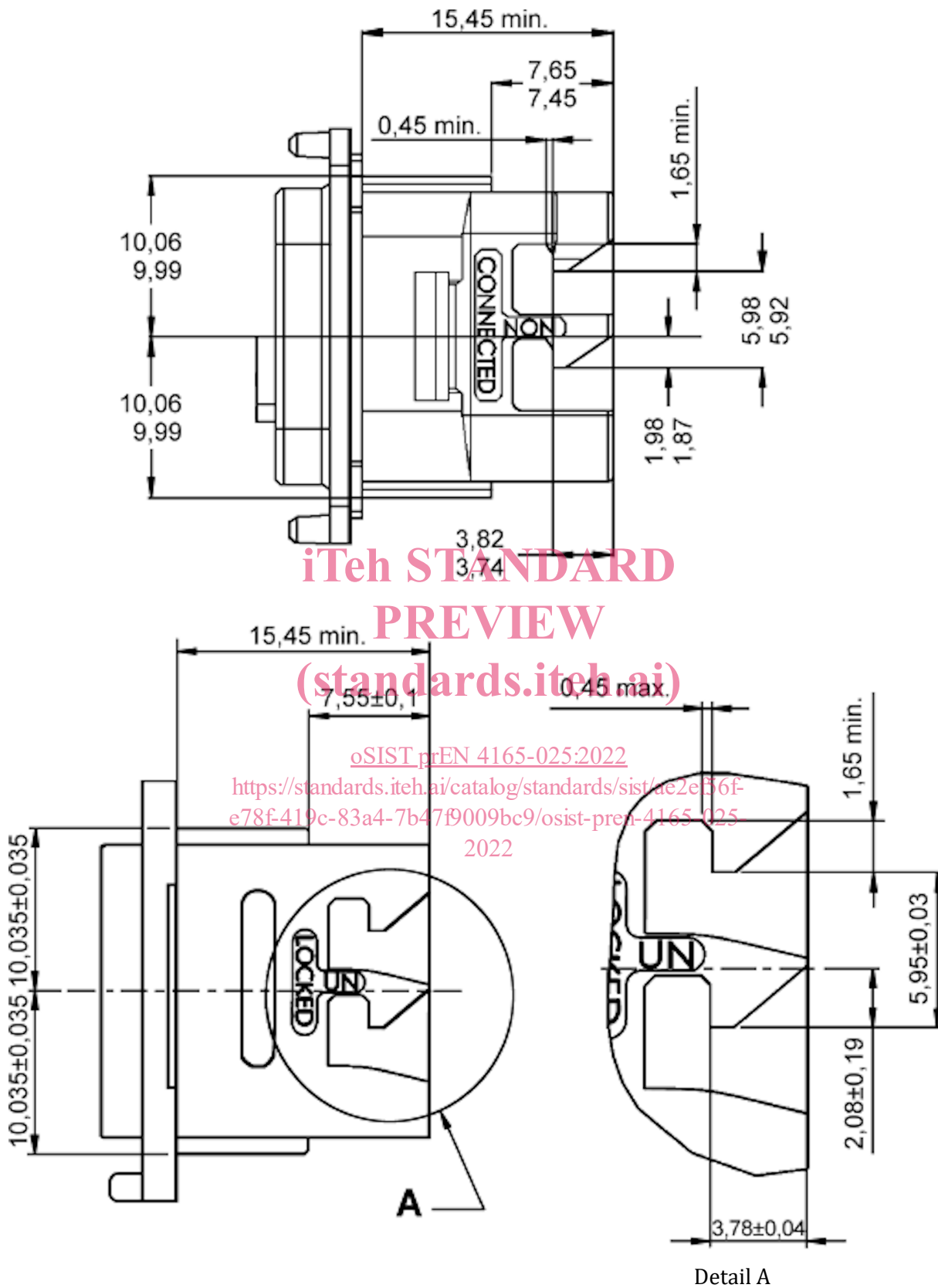
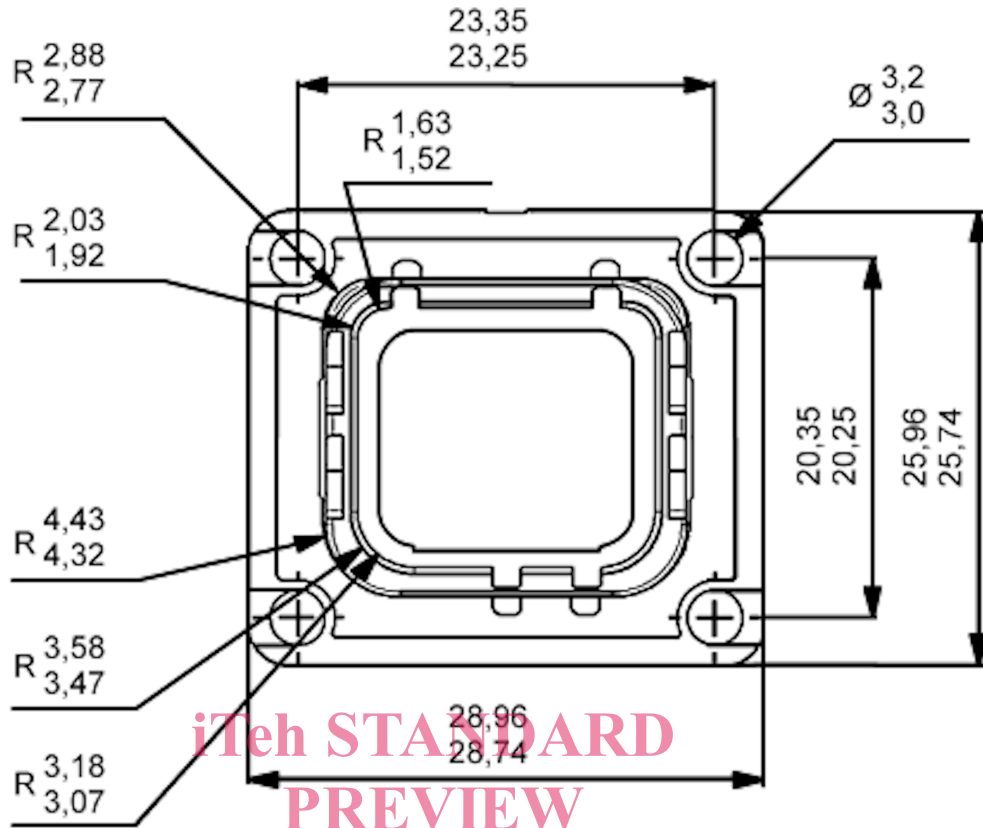


Figure 2 — With alternative designs



STANDARD
PREVIEW
(standards.iteh.ai)

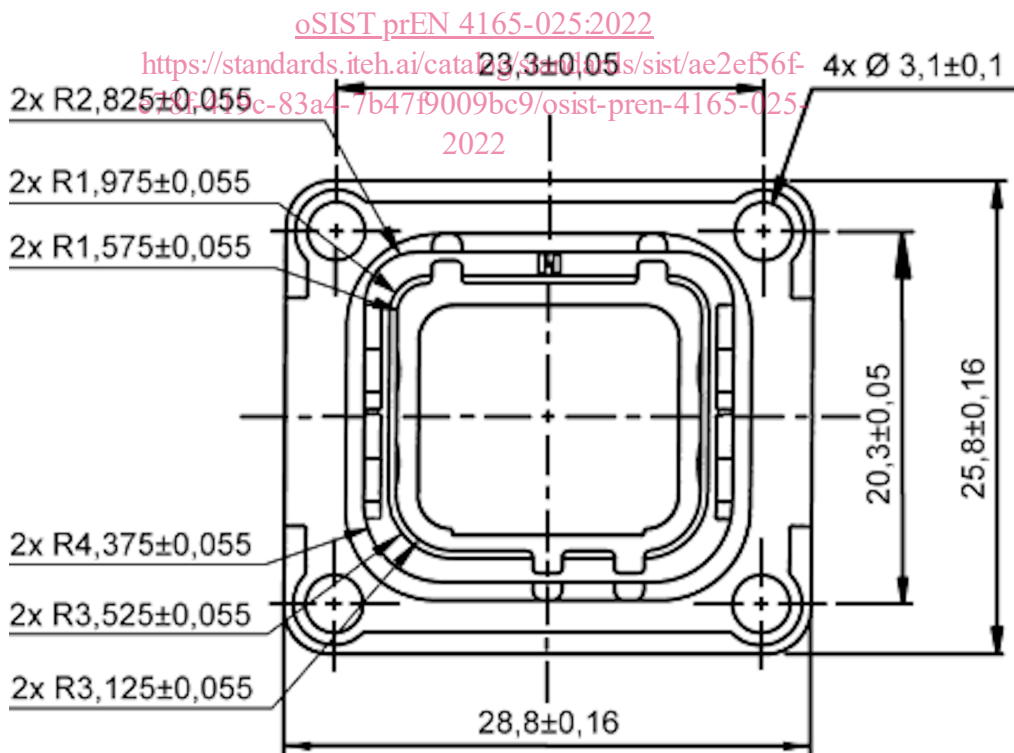
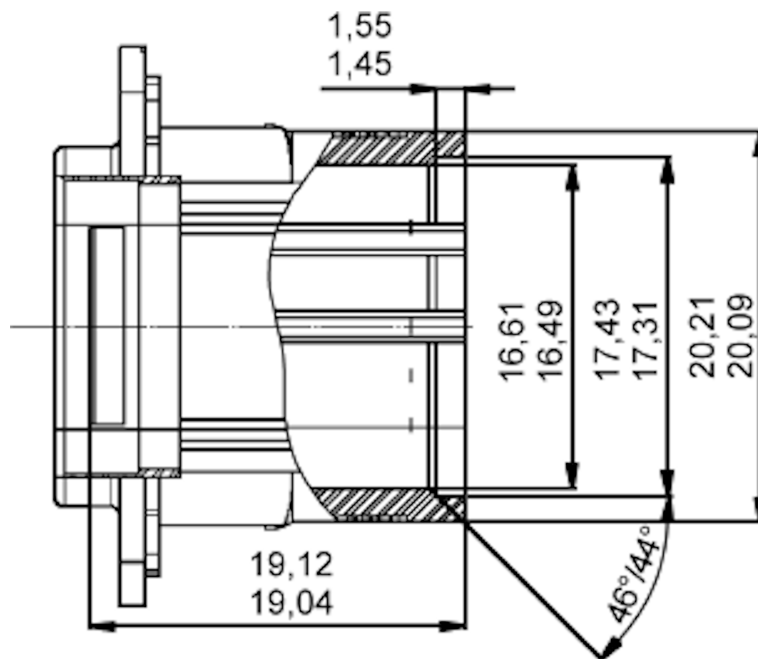


Figure 3 — With alternative designs



**iTeh STANDARD
PREVIEW
(standards.iteh.ai)**

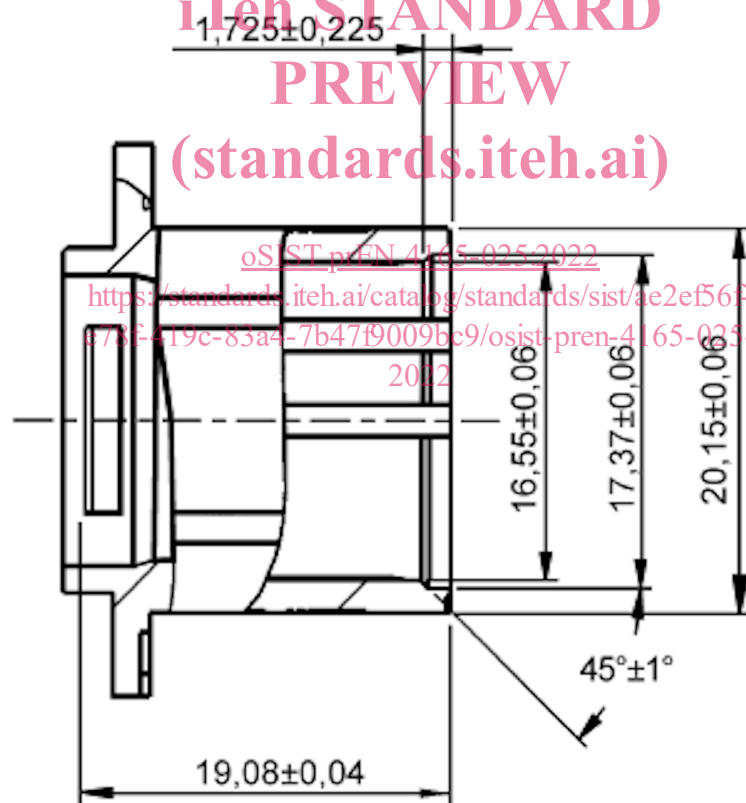


Figure 4 — With alternative designs

4.2 Single module jack receptacle (extender) design (long receptacle) Type 7

Dimensions and positions of keying polarizations, see Clause 5.

See Figure 5, Figure 6, Figure 7, Figure 8 and Figure 9.

Dimensions are in millimetres.

Mass = 7,5 g max.

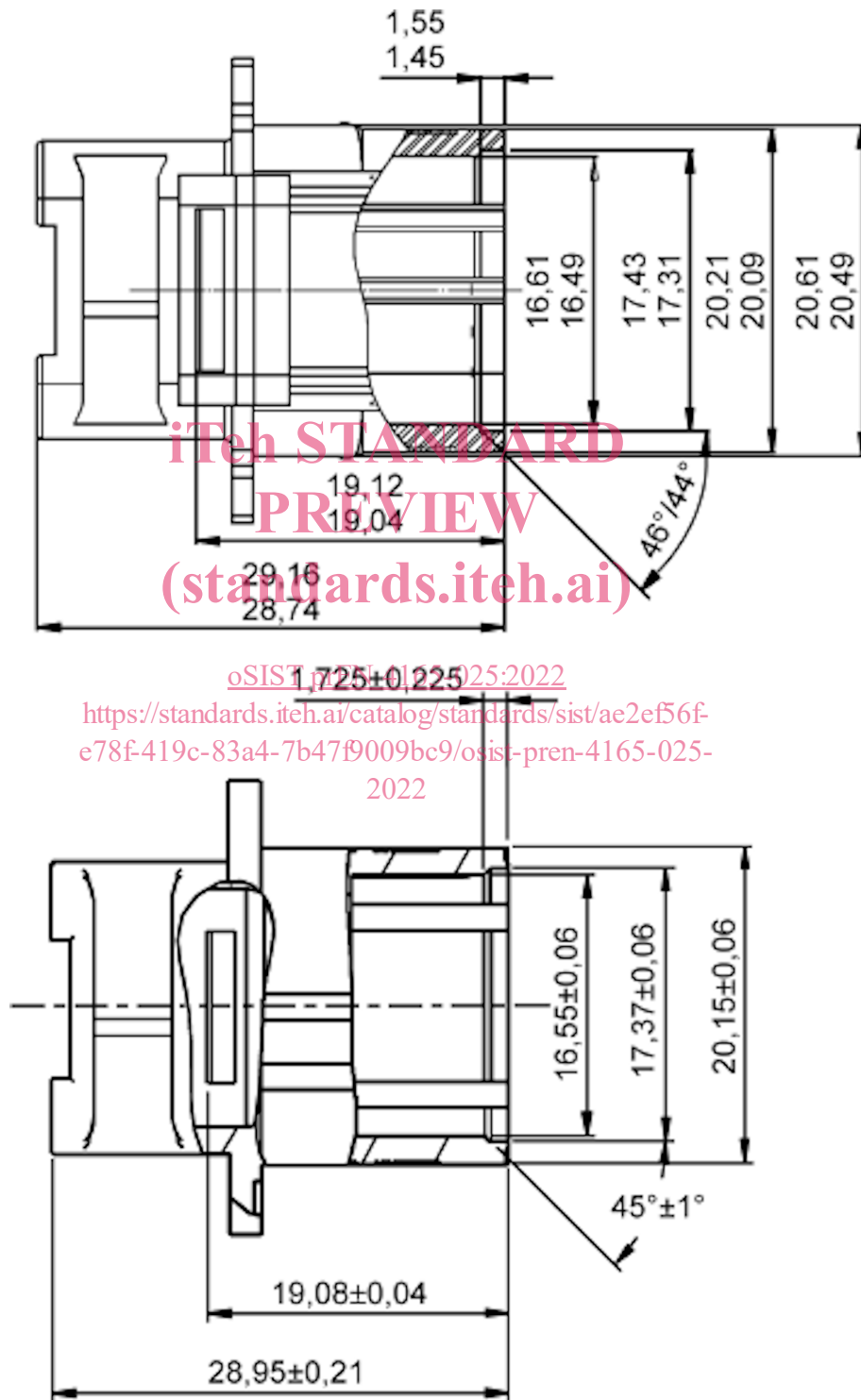


Figure 5 — Detail of bayonet location with alternative designs

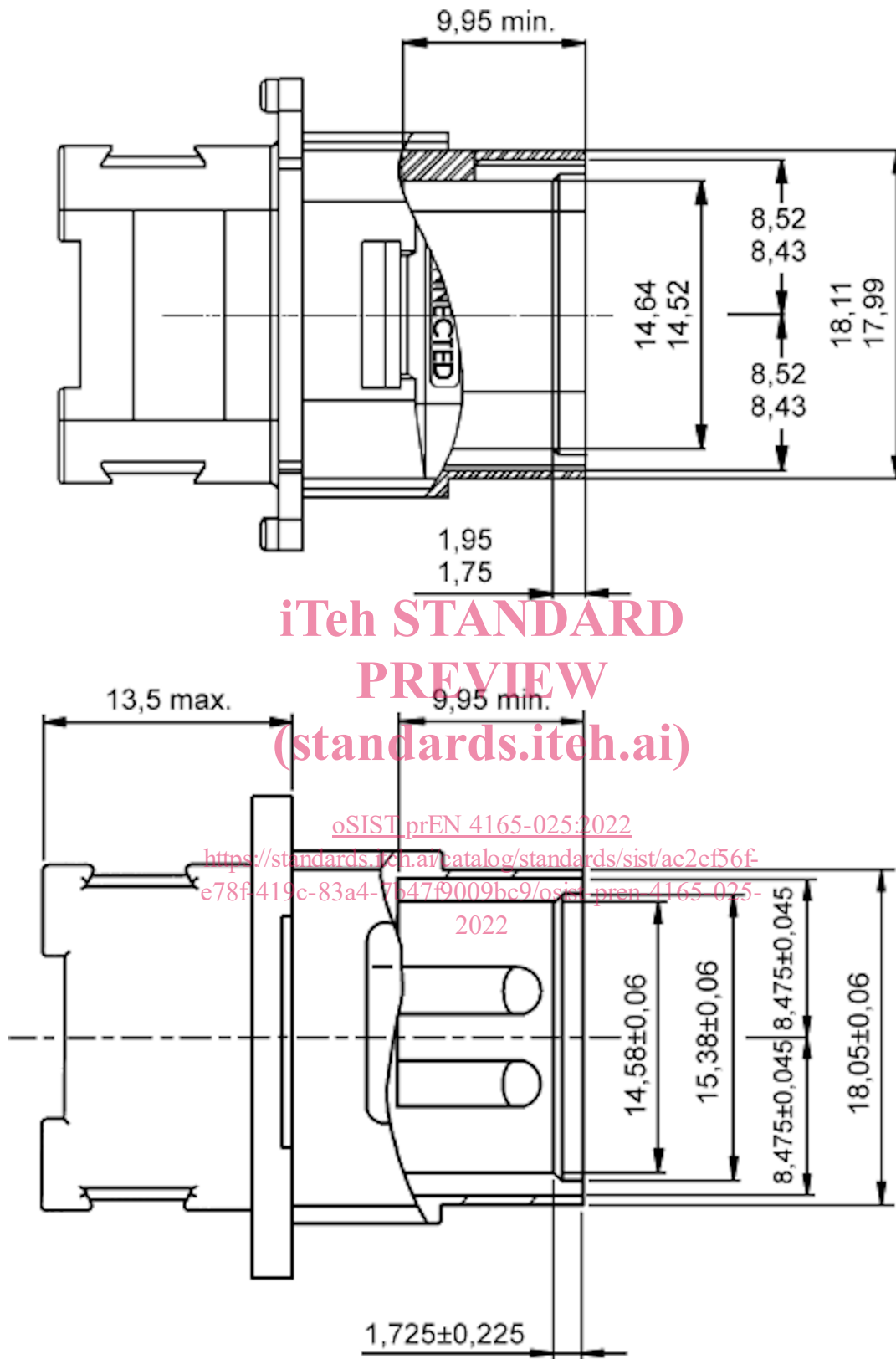


Figure 6 — With alternative designs