

SLOVENSKI STANDARD
SIST EN 4165-025:2012**01-februar-2012**

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

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 025: Module receptacle - Product Norm

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in Modularer Bauweise - Betriebstemperatur 175 °C konstant - Teil 025: Fester Steckverbinder, für ein Modul - Produktnorm

(standards.iteh.ai)

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

Ta slovenski standard je istoveten z: EN 4165-025:2011

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems
--------	--	--

SIST EN 4165-025:2012**en,fr**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 4165-025:2012

<https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012>

EUROPEAN STANDARD

EN 4165-025

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2011

ICS 49.060

English Version

Aerospace series - Connectors, electrical, rectangular, modular -
Operating temperature 175 °C continuous - Part 025: Module
receptacle - Product Norm

Série Aérospatiale - Connecteurs électriques
rectangulaires, modulaires d'utilisation température 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 teckverbinder, für ein Modul -
Produktnorm

This European Standard was approved by CEN on 24 September 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.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Required characteristics	4
5 Designation	23
6 Marking	25
7 Technical specification	25
8 Mounting example	25

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 4165-025:2012](https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012)

<https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012>

Foreword

This document (EN 4165-025:2011) 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 May 2012, and conflicting national standards shall be withdrawn at the latest by May 2012.

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.

ITEH STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 4165-025:2012](https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012)

<https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012>

EN 4165-025:2011 (E)**1 Scope**

This European Standard defines the single module receptacle used in the family of rectangular electrical connectors. The receptacle corresponding to this plug 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 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*

EN 4165-024, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 024: Single module plug — Product standard*

EN 4165-026, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 026: Accessories for single modules — Product standard*

3 Terms and definitions

<https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012>

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

4 Required characteristics**4.1 Single module flange receptacle design (short receptacle) Type 0**

Dimensions and positions of keying polarization, see Clause 5.

See Figures 1, 2, 3 and 4.

Mass = 6 g max.

Dimensions in millimetres

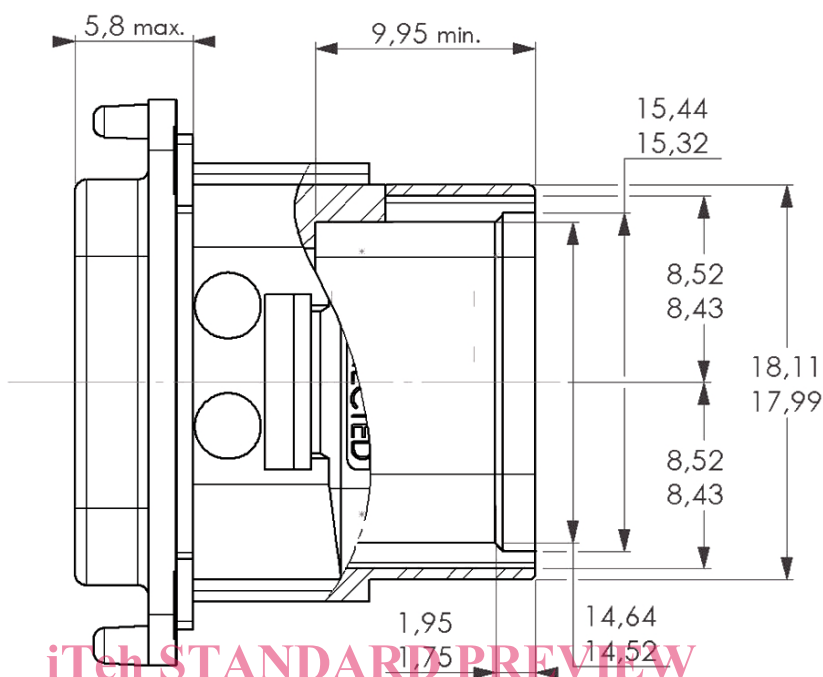


Figure 1
 iteh STANDARD PREVIEW
 (standards.iteh.ai)

SIST EN 4165-025:2012

<https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012>

Dimensions in millimetres

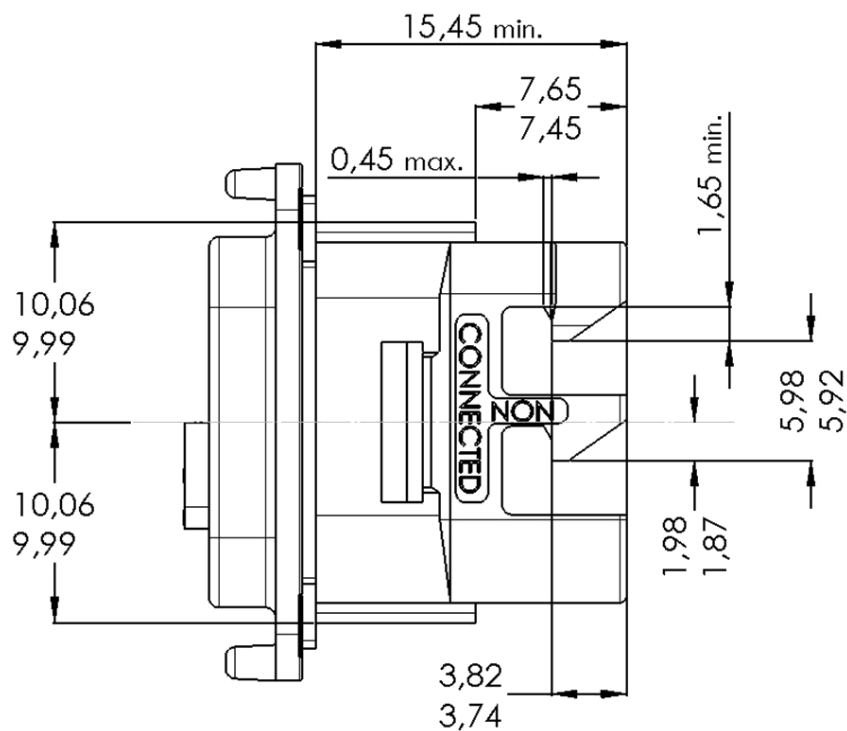
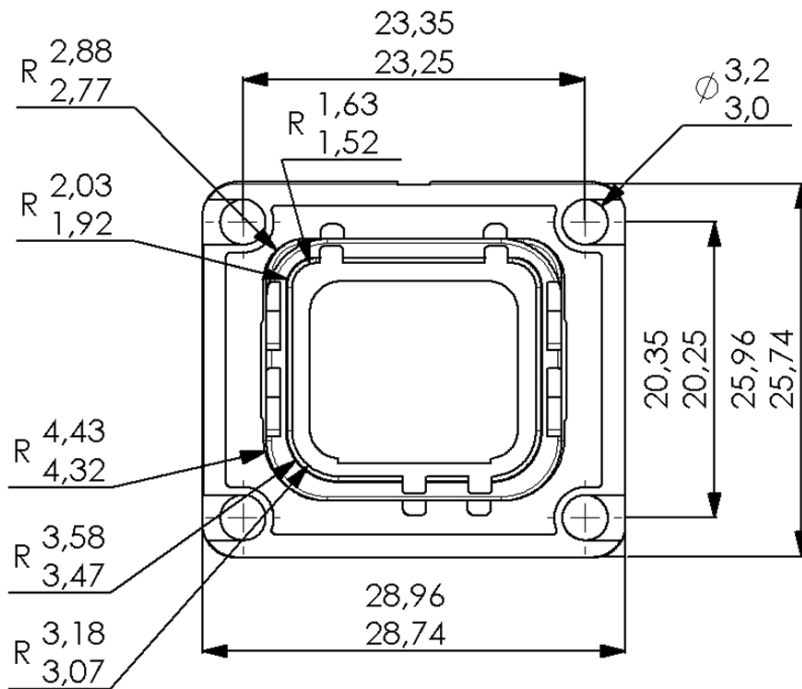


Figure 2

Dimensions in millimetres



iTeh STANDARD PREVIEW
 Figure 3
 (standards.iteh.ai)

Dimensions in millimetres

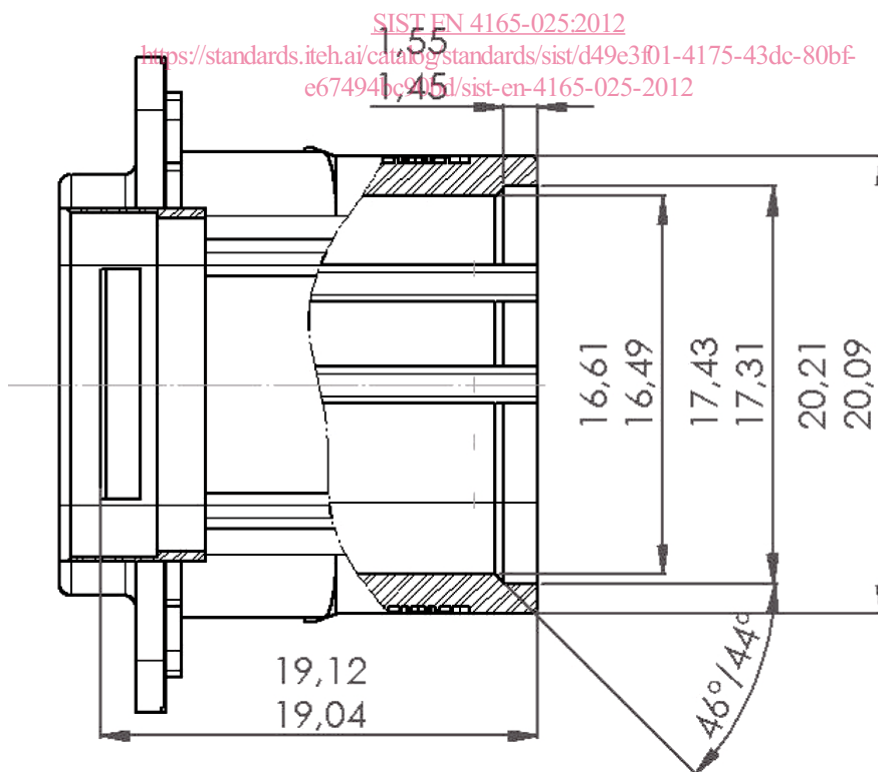


Figure 4

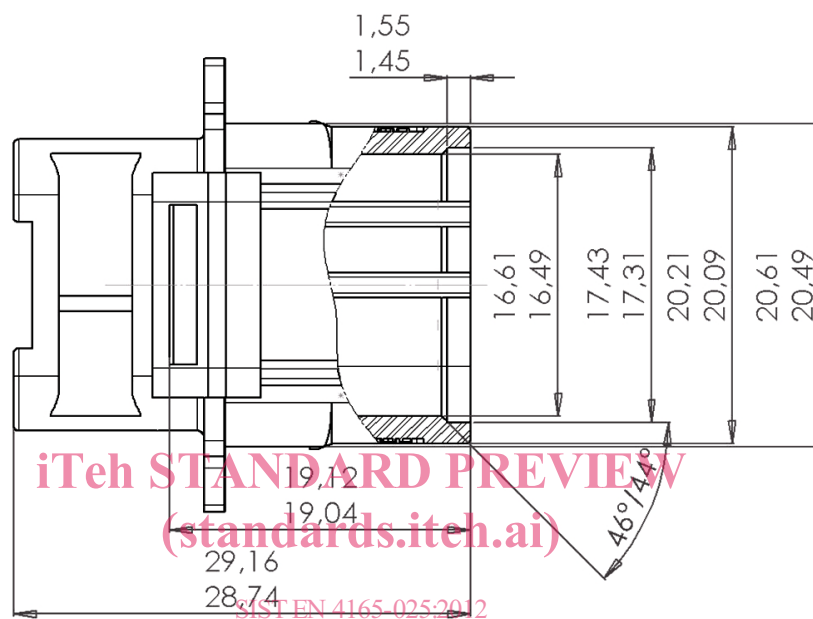
4.2 Single module jack receptacle (extender) design (long receptacle) Type 7

Dimensions and positions of keying polarizations, see Clause 5.

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

Mass = 7,5 g max.

Dimensions in millimetres



<https://standards.itech.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012>
 Figure 5

Dimensions in millimetres

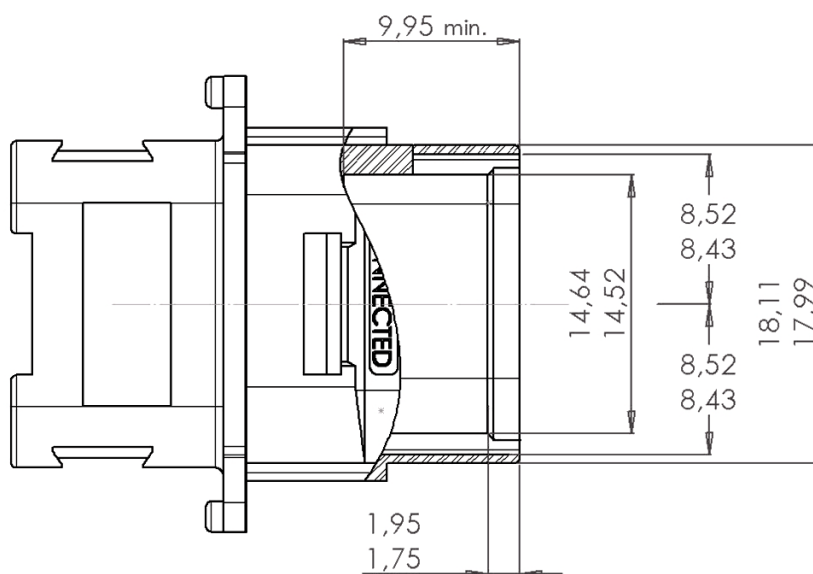
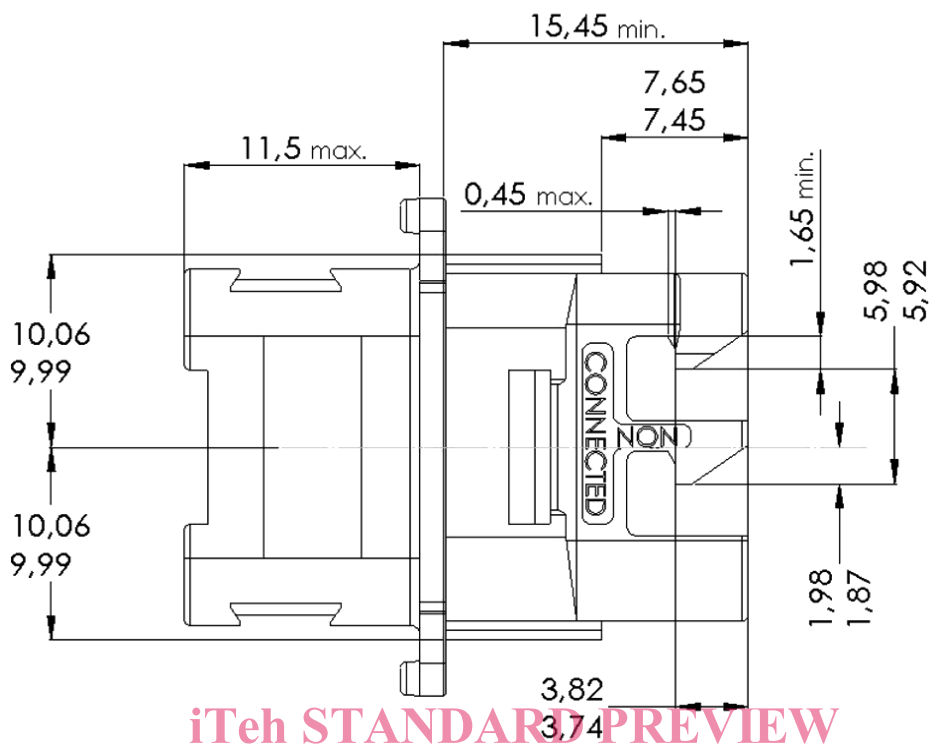


Figure 6

Dimensions in millimetres



iTeh STANDARD PREVIEW
(standards.iteh.ai)
Figure 7

SIST EN 4165-025:2012

Dimensions in millimetres

<https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494b23010/sist-en-4165-025-2012>

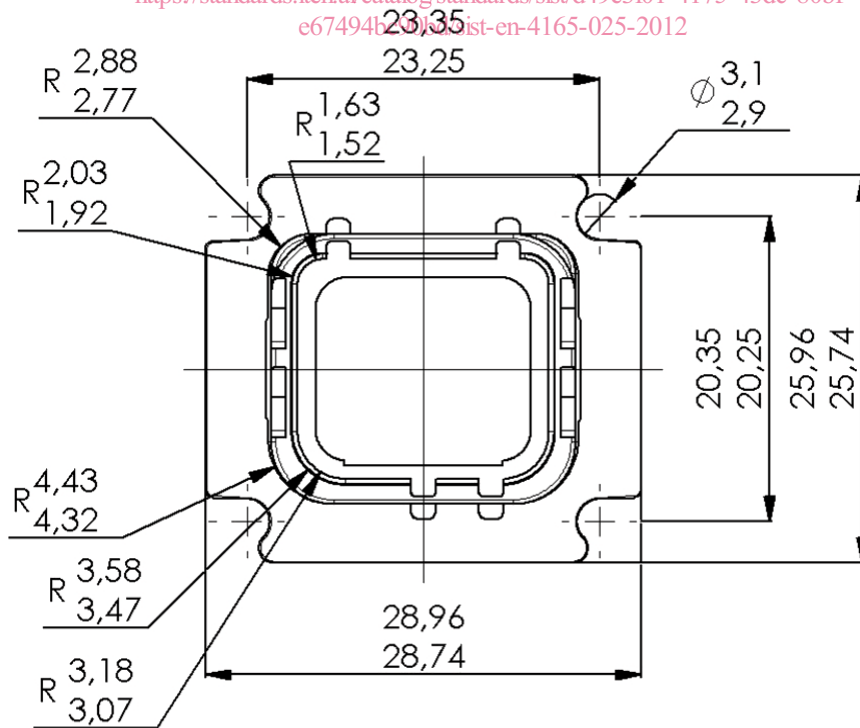
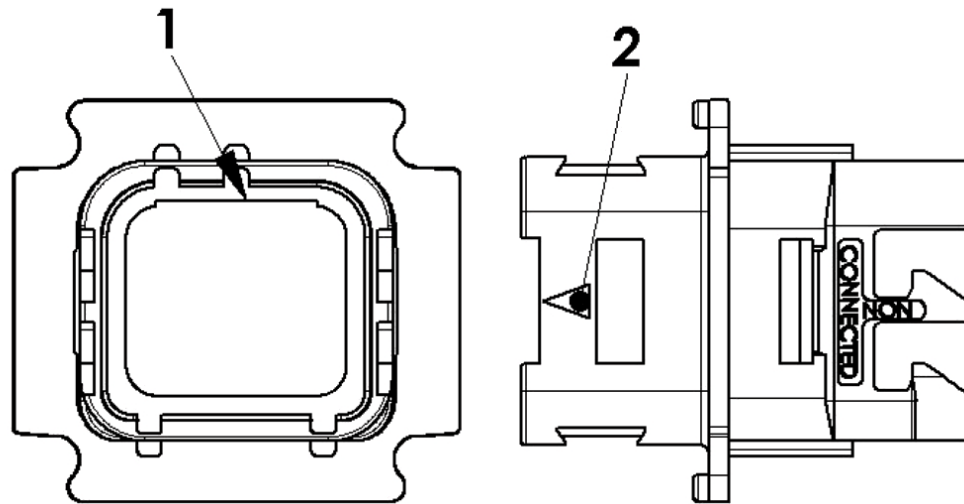


Figure 8

Dimensions in millimetres

**Key**

- 1 Keying module
- 2 Index for rear accessory

Figure 9

iTeh STANDARD PREVIEW
 (standards.iteh.ai)

4.3 Single module extender rear accessory attachment design for Type 7 only

Dimensions and positions of keying polarizations, see Clause 5.

See Figures 10, 11, 12 and 13. <https://standards.iteh.ai/catalog/standards/sist/d49e3f01-4175-43dc-80bf-e67494bc90bd/sist-en-4165-025-2012>

Dimensions in millimetres

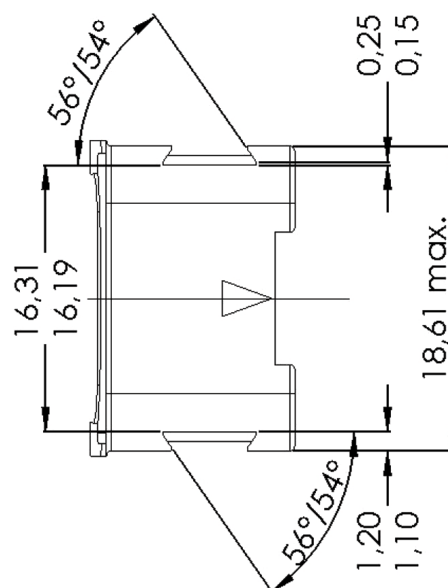


Figure 10