
Aeronavtika - Konektorji, električni, pravokotni, modularni - Stalna delovna temperatura 175 °C - 013. del: Kabelske objemke z 2 ali 4 moduli za konektorje, serija 2 in serija 3 - Standard za proizvod

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 013: Cable clamp 2 and 4 modules for connectors, series 2 and series 3 - Product standard

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise, Betriebstemperatur 175 °C konstant - Teil 013: Gehäuse mit Zugentlastung für Steckverbinder mit 2 und 4 Modulen, Serie 2 und Serie 3 - Produktnorm

Série aérospatiale - Connecteurs électriques rectangulaires modulaires - Température d'utilisation 175 °C continu - Partie 013: Série câbles 2 et 4 modules pour connecteurs, série 2 et série 3 - Norme de produit

Ta slovenski standard je istoveten z: prEN 4165-013

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 4165-013:2022**en,fr,de**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 4165-013

December 2021

ICS 49.060

Will supersede EN 4165-013:2016

English Version

**Aerospace series - Connectors, electrical, rectangular,
modular - Operating temperature 175 °C continuous - Part
013: Cable clamp 2 and 4 modules for connectors, series 2
and series 3 - Product standard**

Série aérospatiale - Connecteurs électriques
rectangulaires modulaires - Température d'utilisation
175 °C continu - Partie 013 : Serre-câbles 2 et 4
modules pour connecteurs, série 2 et série 3 - Norme
de produit

Luft- und Raumfahrt - Elektrischer
Rechtecksteckverbinder in modularer Bauweise,
Betriebstemperatur 175 °C konstant - Teil 013:
Gehäuse mit Zugentlastung für Steckverbinder mit 2
und 4 Modulen, Serie 2 und Serie 3 - 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.

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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

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European foreword

This document (prEN 4165-013:2021) 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 4165-013:2016.

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prEN 4165-013:2021 (E)

1 Scope

This document defines cable clamp for 2 and 4 module connectors, series 2 and series 3 used in the family of rectangular electrical connectors.

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/>

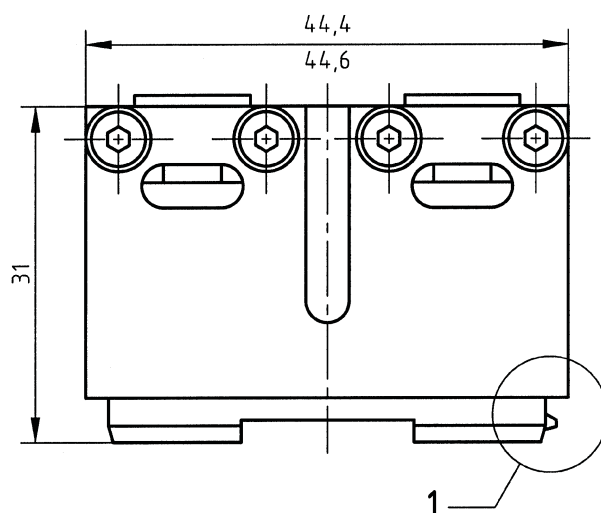
4 Required characteristics

See Figure 1 and Figure 3 for 2 modules; Figure 2 and Figure 4 for 4 modules.

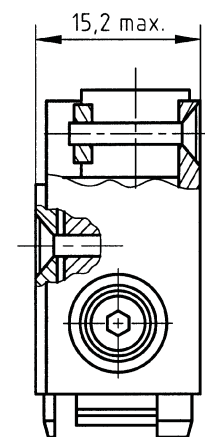
5 Cable clamp

5.1 For 2 modules classes W and F

See Figure 1.



Dimensions are in millimetres



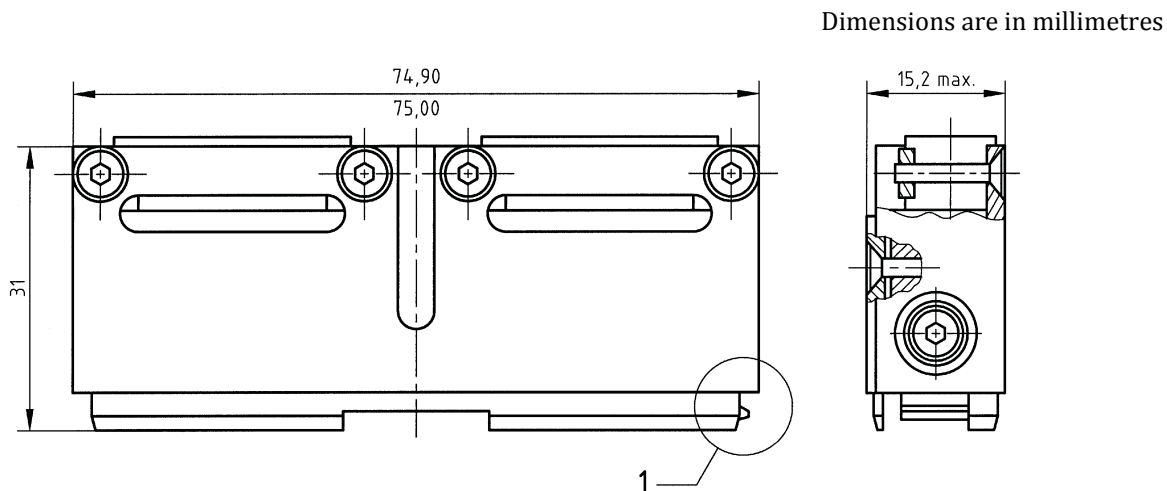
Key

- 1 See Figure 5

Figure 1

5.2 For 4 modules classes W and F

See Figure 2.



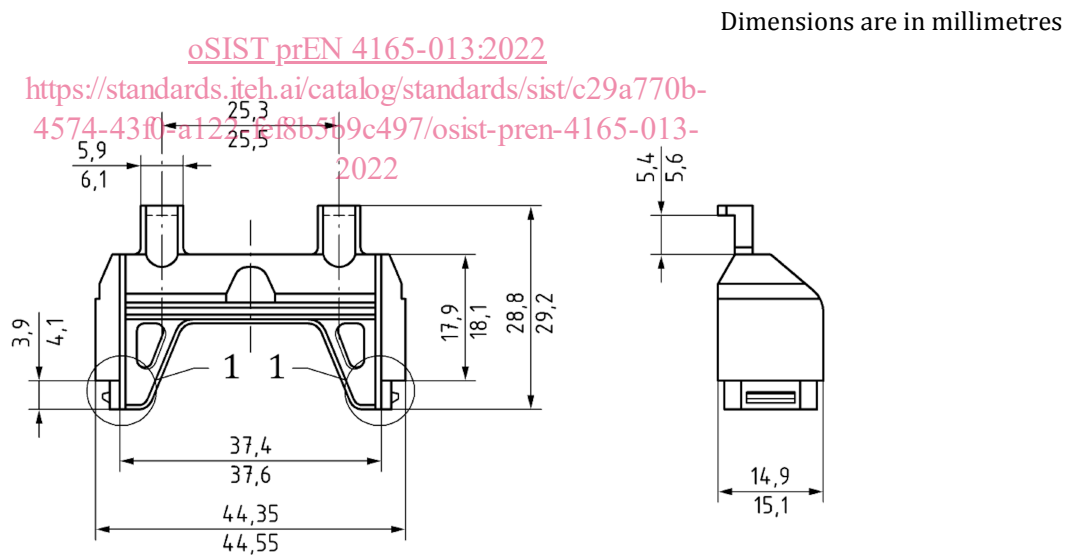
Key

1 See Figure 5

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5.3 For 2 modules class C

See Figure 3.



Key

1 See Figure 6

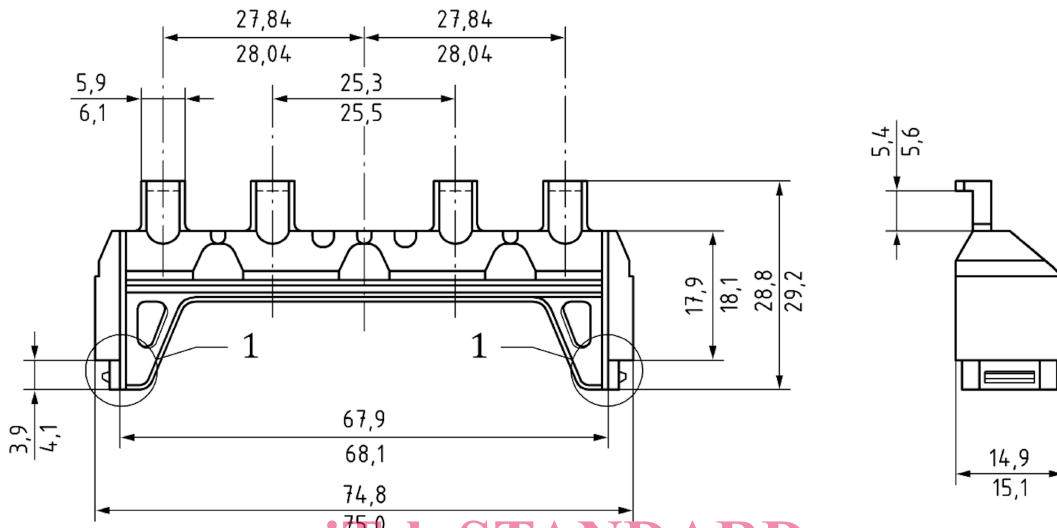
Figure 3

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5.4 For 4 modules class C

See Figure 4.

Dimensions are in millimetres



Key

1 See Figure 6

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Figure 4

5.5 Cable clamp class

See Table 1.

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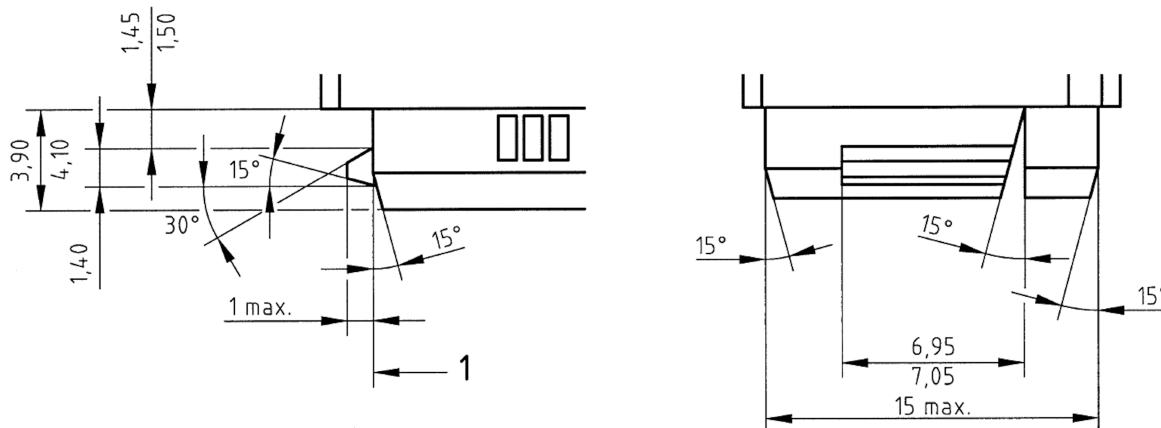
Table 1

Class	Description
W	Cable clamp with housing (shell) olive drab cadmium plated, aluminium alloy, 500 hours resistance to salt mist, maximum operating temperature 175 °C continuous.
F	Cable clamp with housing (shell) black nickel plated, aluminium alloy, 96 hours resistance to salt mist, maximum operating temperature 175 °C continuous.
C	Monobloc cable clamp, composite material, maximum operating temperature 175 °C continuous.

5.6 Intermateability for series 2 and series 3

See Figure 5.

Dimensions are in millimetres



Key

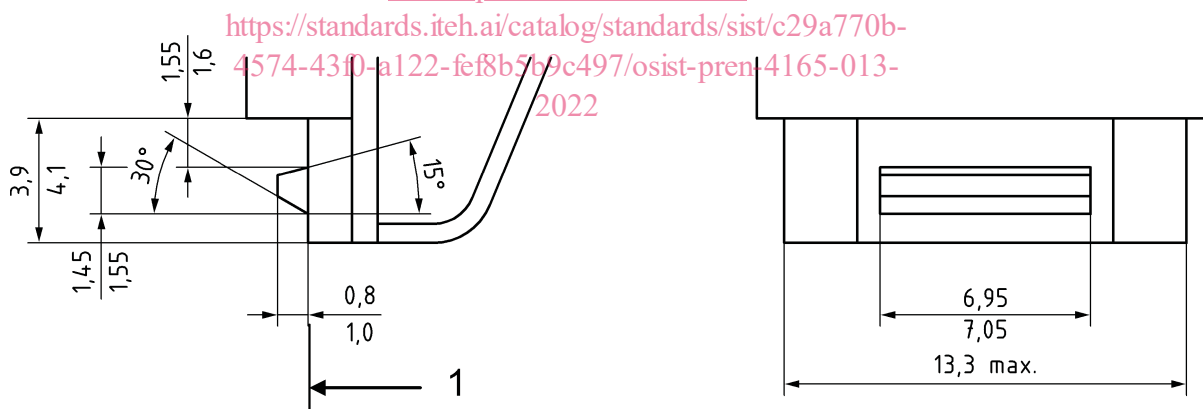
- 1 4 modules - 70,9 max.
- 2 modules - 40,4 max.

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 Figure 5
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See Figure 6.

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Dimensions are in millimetres



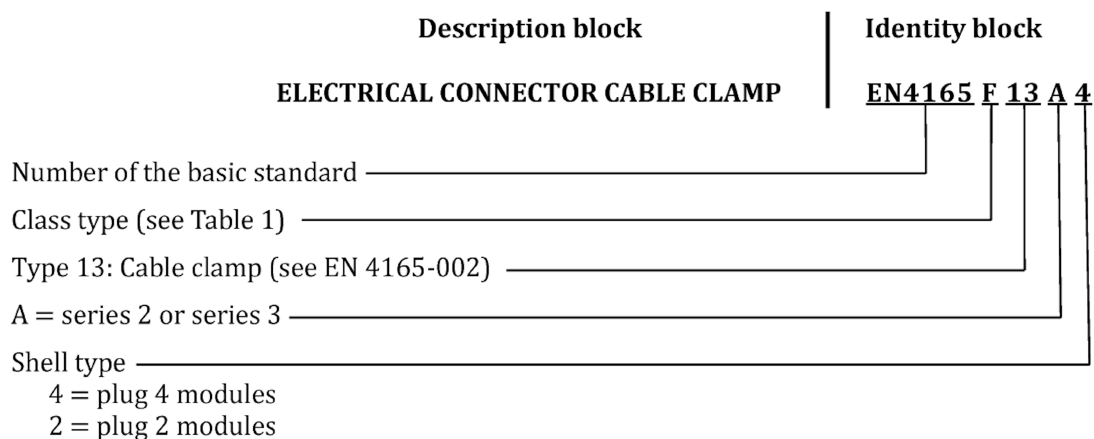
Key

- 1 4 modules - 70,9 max.
- 2 modules - 40,4 max.

Figure 6

prEN 4165-013:2021 (E)**6 Designation**

EXAMPLE

**7 Marking**

Marking shall include:

- the identity block as defined in Clause 6;
- the date of manufacture (year-week);
- the manufacturer's name or trademark.

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8 Technical specification

See EN 4165-001.

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