



SLOVENSKI STANDARD
oSIST prEN 4165-005:2021

01-oktober-2021

Aeronavtika - Konektorji, električni, pravokotni, modularni - Stalna delovna temperatura 175 °C - 005. del: Spojnik, zložljivi, z 2 ali 4 moduli, serija 3

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 005 : Stackable mouting receptable 2 and 4 modules, series 3

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise - Betriebstemperatur 175 °C konstant - Teil 005: Anreihsteckdose mit Flansch mit 2 und 4 Modulen, Serie 3 - Produktnorm

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Ta slovenski standard je istoveten z: prEN 4165-005

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

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 4165-005

August 2021

ICS 49.060

Will supersede EN 4165-005:2007

English Version

**Aerospace series - Connectors, electrical, rectangular,
modular - Operating temperature 175 °C continuous - Part
005 : Stackable mouting receptable 2 and 4 modules,
series 3**

Luft- und Raumfahrt - Elektrischer
Rechtecksteckverbinder in modularer Bauweise -
Betriebstemperatur 175 °C konstant - Teil 005:
Anreihsteckdose mit Flansch mit 2 und 4 Modulen,
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

Contents		Page
European foreword		3
1	Scope.....	4
2	Normative references.....	4
3	Terms and definitions.....	4
4	Required characteristics	4
5	Stackable mounting receptacle for male or female modules.....	4
5.1	For 2 modules.....	4
5.2	For 4 modules.....	6
5.3	Receptable class	7
6	Designation	7
7	Marking	8
8	Technical specification	8
Bibliography		9

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European foreword

This document (prEN 4165-005:2021) 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 4165-005:2007.

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prEN 4165-005:2021 (E)**1 Scope**

This document defines the stackable mounting receptacle series 3, for 2 or 4 modules used in the family of rectangular electrical modular connectors, operating temperature 175 °C continuous. The plugs corresponding to those receptacles are defined in EN 4165-002.

The protective cover corresponding to those receptacles are defined in EN 4165-018.

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*

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

EN 4165-003, *Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 003: Modules series 2 and series 3 - Product standard*

EN 4165-018, *Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 018: Protective cover for all receptacles series 2 - Product standard*

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/>

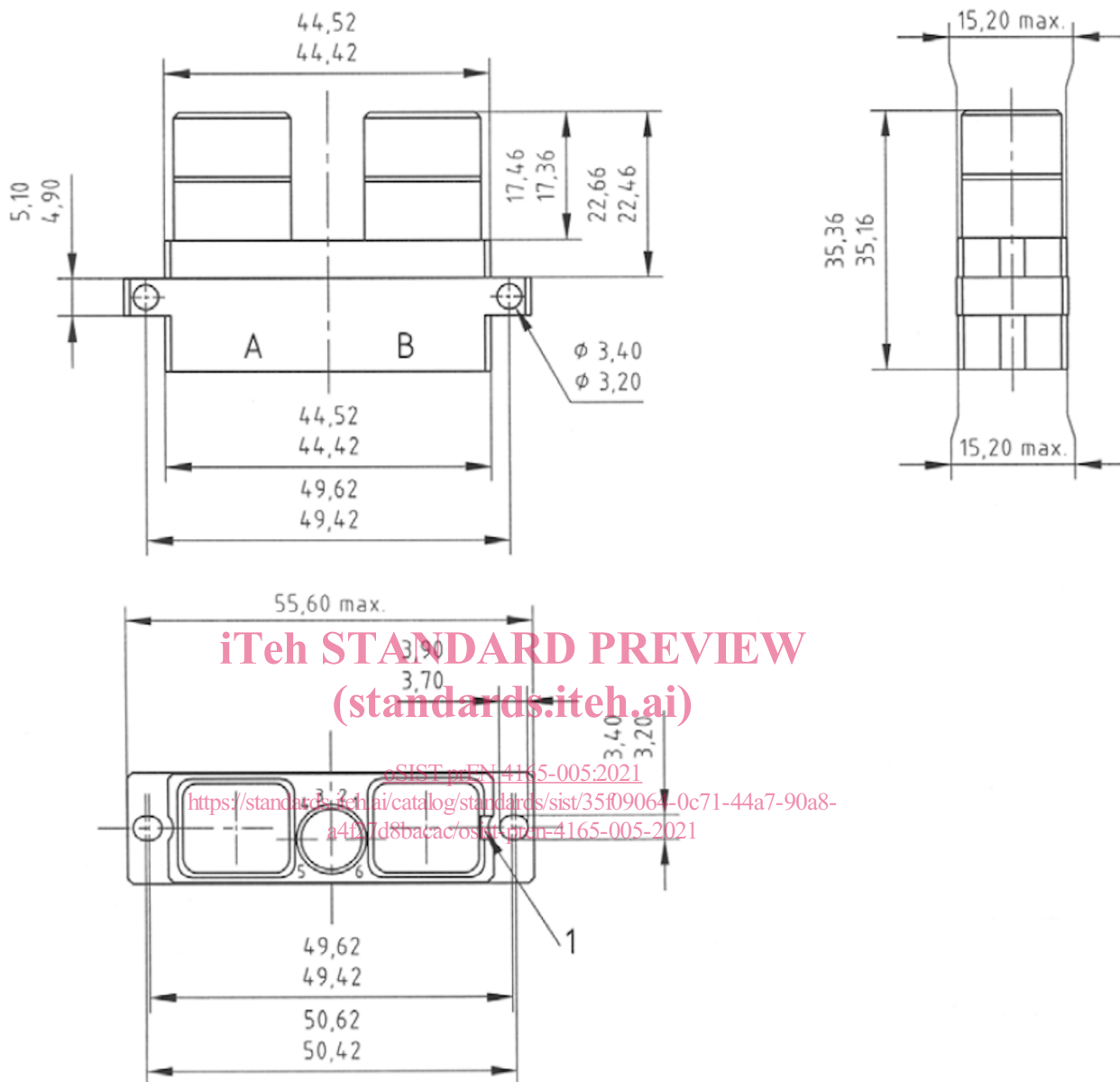
4 Required characteristics

See Figure 1 and Figure 2.

5 Stackable mounting receptacle for male or female modules**5.1 For 2 modules**

See EN 4165-003.

Dimensions are in millimetres



Key

- 1 Groove

Figure 1

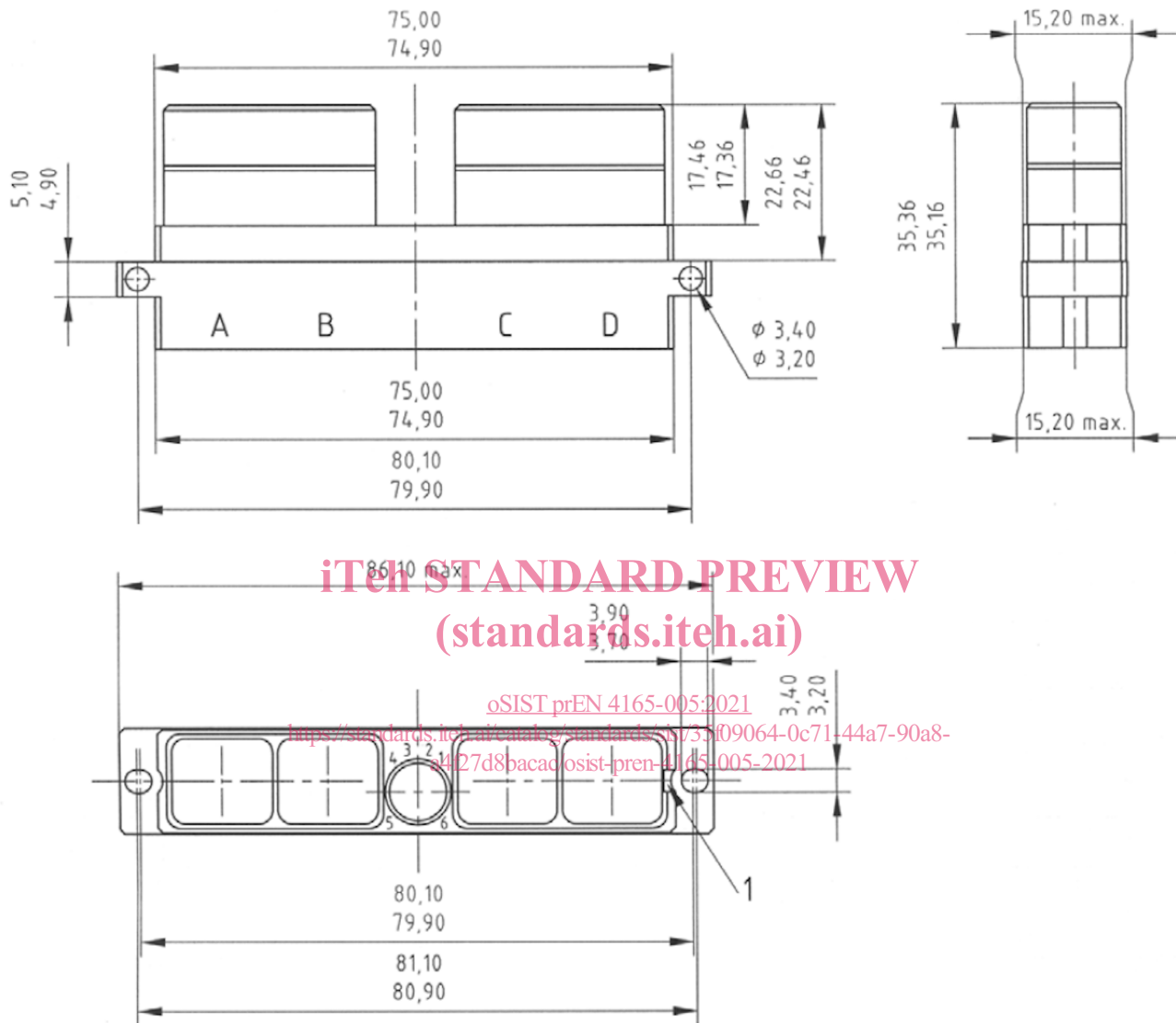
Mass (g) = 19,00

prEN 4165-005:2021 (E)

5.2 For 4 modules

See EN 4165-003.

Dimensions are in millimetres



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Key

1 Groove

Figure 2

Mass (g) = 24,80

5.3 Receptable class

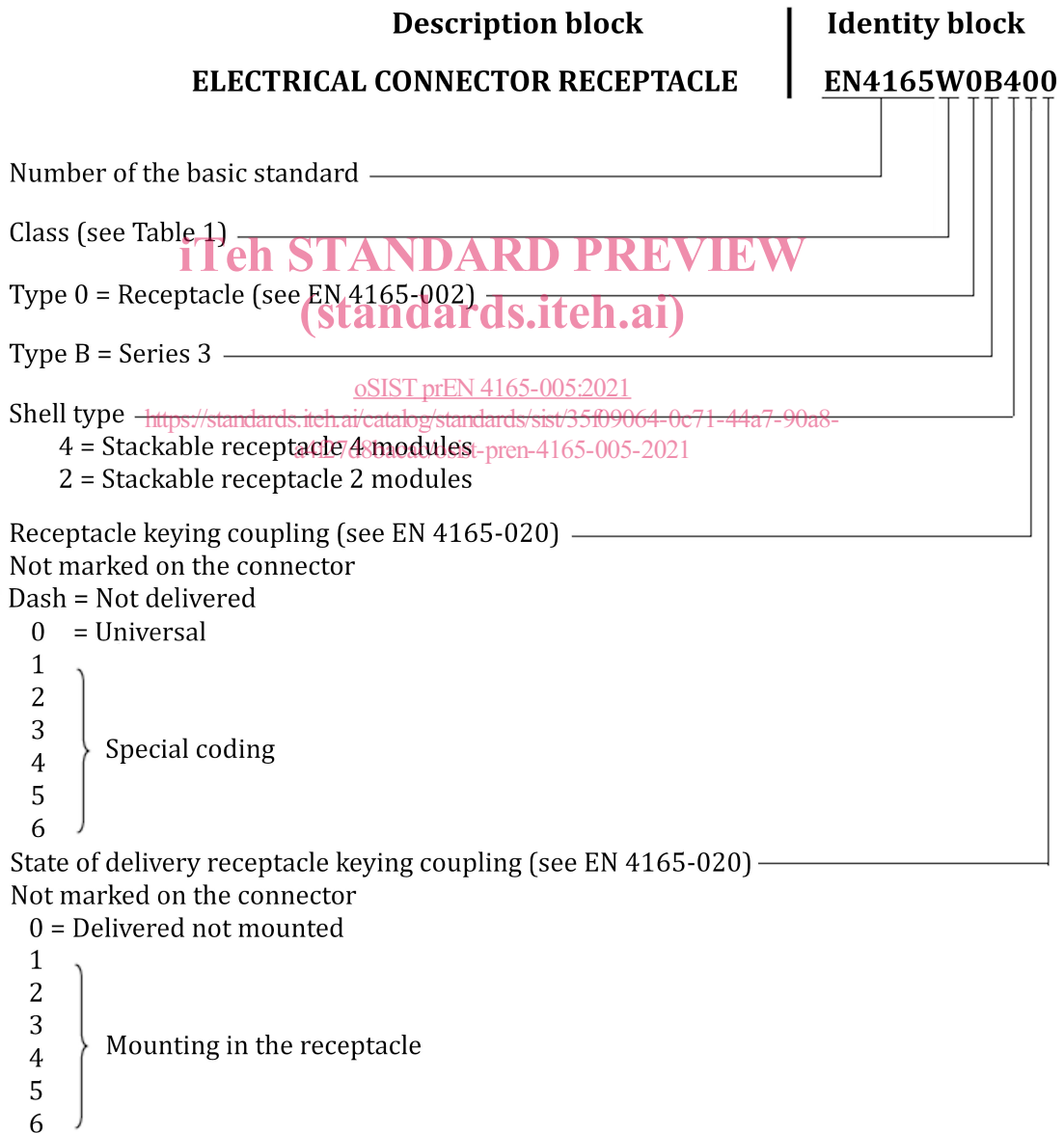
See Table 1.

Table 1

Class	Description
W	Receptacle with housing (shell) olive drab cadmium plated, aluminium alloy, conductive finish, 500 h resistance to salt mist. Rectangular grounding device, or not, maximum operating temperature 175 °C continuous.

6 Designation

EXAMPLE



prEN 4165-005:2021 (E)

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.

8 Technical specification

See EN 4165-001.

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