



# SLOVENSKI STANDARD

## oSIST prEN 4165-018:2024

01-november-2024

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**Aeronavtika - Konektorji, električni, pravokotni, modularni - Stalna delovna temperatura 175 °C - 018. del: Zaščitna kapa za enega, dva in štiri module, seriji 2 in 3 - Standard za proizvod**

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 018: Protective cover for 1, 2 and 4 module receptacles series 2 and 3 - Product standard

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise - Betriebstemperatur 175 °C konstant - Teil 018: Schutzkappe für festen Steckverbinder mit 1, 2 und 4 Modulen, Serie 2 und 3 - Produktnorm

Série aérospatiale - Connecteurs électriques rectangulaires modulaires - Température d'utilisation 175 °C - Partie 018 : Bouchon de vol pour les embases pour 1, 2 ou 4 modules, série 2 et série 3 - Norme de produit

<https://standards.iteh.ai/catalog/standards/sist/9dd91581-6cef-4ef6-aac0-ab4018d62620/osist-pren-4165-018-2024>

**Ta slovenski standard je istoveten z: prEN 4165-018**

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**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 4165-018:2024**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 4165-018**

September 2024

ICS 49.060

Will supersede EN 4165-018:2015

English Version

**Aerospace series - Connectors, electrical, rectangular,  
modular - Operating temperature 175 °C continuous - Part  
018: Protective cover for 1, 2 and 4 module receptacles  
series 2 and 3 - Product standard**

Série aérospatiale - Connecteurs électriques  
rectangulaires modulaires - Température d'utilisation  
175 °C - Partie 018 : Bouchon de vol pour les embases  
pour 1, 2 ou 4 modules, série 2 et série 3 - Norme de  
produit

Luft- und Raumfahrt - Elektrischer  
Rechtecksteckverbinder in modularer Bauweise -  
Betriebstemperatur 175 °C konstant - Teil 018:  
Schutzkappe für festen Steckverbinder mit 1, 2 und 4  
Modulen, Serie 2 und 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.

**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**

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## European foreword

This document (prEN 4165-018:2024) has been prepared by 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 4165-018:2015.

This document includes the following significant technical changes with respect to EN 4165-018:2015:

- Update of normative references;
- Update of Figures 1, 2 and 3;
- Update of Clause 7, Marking;
- Update of Clause 6 “Designation” for example 2 with size D.

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## prEN 4165-018:2024 (E)

### 1 Scope

This document specifies the protective cover for all receptacles series 2 and series 3<sup>1</sup> used in the family of rectangular electrical connectors.

The receptacle connectors corresponding to those protective covers are specified in EN 4165-004, EN 4165-011 and EN 4165-025.

### 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*

### 3 Terms and definitions

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

ISO and IEC maintain terminology 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

According to Figure 1 for 2 modules, Figure 2 for 4 modules and Figure 3 for single module.

### 5 Protective cover

#### 5.1 For 2 modules, classes W and F

For all figures and tables, dimensions are in millimetres, masses in grams.

Mass max. = 18,5 g

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<sup>1</sup> Series 3 protective cover is not defined at the time of this publication.