
Aeronavtika - Konektorji, električni, pravokotni, modularni - Stalna delovna temperatura 175 °C - 027. del: Zadnji vtič za stojalo in ploščo za 2 in 4 module, serije 3 - Standard za proizvod

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 027: Rack and panel rear mounted plug for 2 and 4 modules, series 3 - Product standard

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise - Betriebstemperatur 175 °C konstant - Teil 027: Freier rückseitiger Einschub- und Gehäusesteckverbinder mit 2 und 4 Modulen, Serie 3 - Produktnorm

[SIST EN 4165-027:2016](https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-027-027)

Série aérospatiale - Connecteurs électriques rectangulaires modulaires - Température d'utilisation 175 °C continu - Partie 027 : Fiches de rack à fixations inversées 2 et 4 modules, série 3 - Norme de produit

Ta slovenski standard je istoveten z: EN 4165-027:2015

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

SIST EN 4165-027:2016

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 4165-027:2016](#)

<https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-9c1afbd30d10/sist-en-4165-027-2016>

EUROPEAN STANDARD

EN 4165-027

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2015

ICS 49.060

English Version

**Aerospace series - Connectors, electrical, rectangular,
modular - Operating temperature 175 °C continuous - Part
027: Rack and panel rear mounted plug for 2 and 4
modules, series 3 - Product standard**

Série aérospatiale - Connecteurs électriques
rectangulaires modulaires - Température d'utilisation
175 °C continu - Partie 027 : Fiches de rack à fixations
inversées 2 et 4 modules, série 3 - Norme de produit

Luft- und Raumfahrt - Elektrischer
Rechtecksteckverbinder in modularer Bauweise -
Betriebstemperatur 175 °C konstant - Teil 027: Freier
rückseitiger Einschub- und Gehäusesteckverbinder mit
2 und 4 Modulen, Serie 3 - Produktnorm

This European Standard was approved by CEN on 8 June 2015.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Required characteristics	4
5 Rack and panel rear plug	5
5.1 For 2 modules classes W, F.....	5
5.2 For 4 modules classes W, F.....	6
5.3 Rack and panel plug class.....	7
6 Designation	7
7 Marking	8
8 Technical specification	8
Bibliography	9

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 4165-027:2016](https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-9c1afbd30d10/sist-en-4165-027-2016)

<https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-9c1afbd30d10/sist-en-4165-027-2016>

European foreword

This document (EN 4165-027:2015) 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 European 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 2016, and conflicting national standards shall be withdrawn at the latest by May 2016.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

[SIST EN 4165-027:2016](https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-9c1afb30d10/sist-en-4165-027-2016)

<https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-9c1afb30d10/sist-en-4165-027-2016>

EN 4165-027:2015 (E)**1 Scope**

This European Standard defines the rack and panel rear mounted plug 2 and 4 modules, series 3 used in the family of rectangular electrical connectors. The receptacles corresponding to those plugs are defined in EN 4165-002.

The protective covers corresponding to those plugs are defined in prEN 4165-019.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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*

prEN 4165-019, *Aerospace series Connectors, electrical, rectangular, modular Operating temperature 175 °C continuous — Part 019: Protective cover for plug for 2 or 4 modules series 2 and series 3 Product Standard*

EN 4165-021, *Aerospace series — Connectors, electrical, rectangular, modular — Operating temperature 175 °C continuous — Part 021: Coupling system keyway for plug — Product standard*

<https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-9c1afbd30d10/sist-en-4165-027-2016>

3 Terms and definitions

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

4 Required characteristics

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

5 Rack and panel rear plug

5.1 For 2 modules classes W, F

See Figure 1.

Dimensions are in millimetres

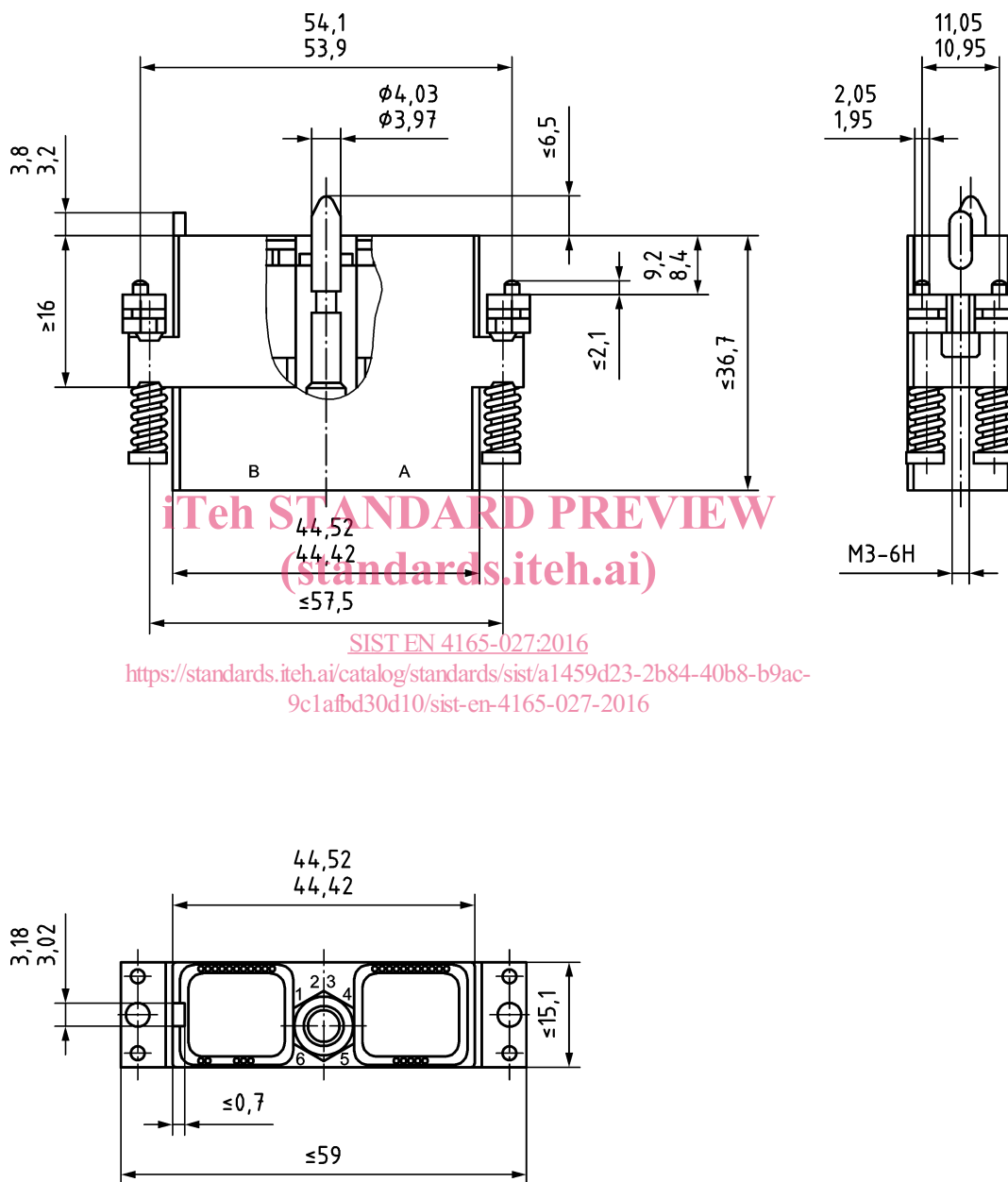
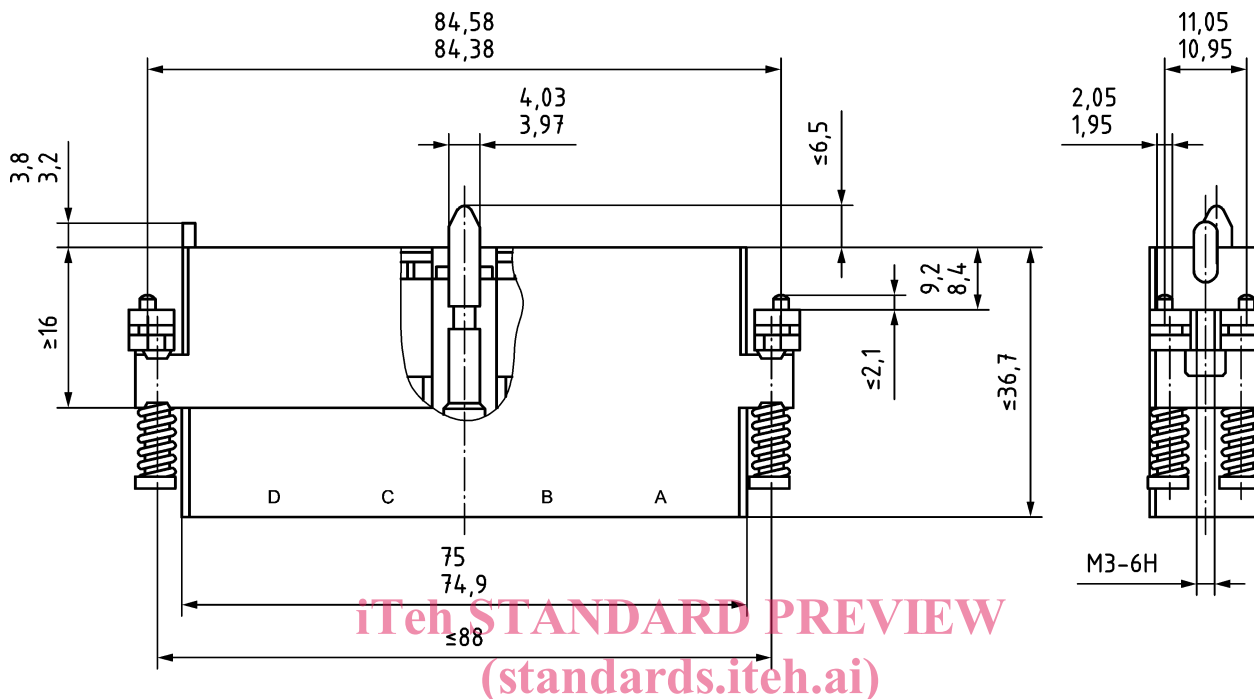


Figure 1 — Series 3 rack and panel plug 2 modules

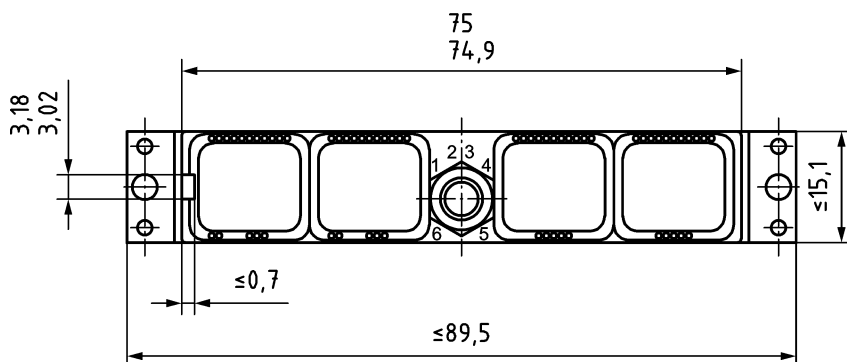
5.2 For 4 modules classes W, F

See Figure 2.

Dimensions are in millimetres



<https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-9c1afbd30d10/sist-en-4165-027-2016>



NOTE Screw coupling torque on panel= 0,6 N.m ± 0,1 N.m

Figure 2 — Series 3 rack and panel plug 4 modules

5.3 Rack and panel plug class

See Table 1.

Table 1 — Rack and panel plug class

Class	Description
W	Rack and panel plug with housing (shell) olive drab cadmium plated, aluminium alloy, 500 hours resistance to salt mist, maximum operating temperature 175 °C continuous
F	Rack and panel plug with housing (shell) black nickel plated, aluminium alloy, 96 hours resistance to salt mist, maximum operating temperature 175 °C continuous

6 Designation

EXAMPLE

Description block	Identity block
ELECTRICAL RACK AND PANEL PLUG	EN4165F9B4R00
<p>iTeh STANDARD PREVIEW (standards.iteh.ai)</p>	
Number of the basic standard	
Class type (see Table 1)	SIST EN 4165-027:2016
Type 9: Rack and panel plug (see EN 4165-002)	https://standards.iteh.ai/catalog/standards/sist/a1459d23-2b84-40b8-b9ac-9c1afbd30d10/sist-en-4165-027-2016
Type B = series 3	
Shell type	
4 = plug 4 modules	
2 = plug 2 modules	
R = rear mounting	
State of delivery plug keying coupling (see EN 4165-021)	
0 – Not delivered	
A = Standard	
1	} Keying code (special coding)
2	
3	
4	
5	
6	
Position of keying coupling	
0 – Not mounted	
1	} Fitted in the plug
2	
3	
4	
5	
6	