



SLOVENSKI STANDARD

SIST EN 4165-012:2008

01-junij-2008

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Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature
175 °C continuous - Part 012: Flange mounting receptacle 2 and 4 modules, series 3 -
Product standard

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder in modularer Bauweise -
Betriebstemperatur 175 °C konstant - Teil 012: Feste Steckverbinder mit Montageflansch
mit 2 und 4 Modulen, Serie 3 - Produktnorm
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SIST EN 4165-012:2008
Série aérospatiale - Connecteurs électriques rectangulaires modulaires - Température
d'utilisation 175 °C continu - Partie 012: Embase à collerette 2 et 4 modules, série 3 -
Norme de produit

Ta slovenski standard je istoveten z: EN 4165-012:2005

ICS:

49.060

SIST EN 4165-012:2008

en,de

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ICS 49.060

English Version

Aerospace series - Connectors, electrical, rectangular, modular -
Operating temperature 175 °C continuous - Part 012: Flange
mounting receptacle 2 and 4 modules, series 3 - Product
standard

Série aérospatiale - Connecteurs électriques rectangulaires
modulaires - Température d'utilisation 175 °C continu -
Partie 012 : Embase à collerette 2 et 4 modules, série 3 -
Norme de produit

Luft- und Raumfahrt - Elektrischer Rechtecksteckverbinder
in modularer Bauweise - Betriebstemperatur 175 °C
konstant - Teil 012: Feste Steckverbinder mit
Montageflansch mit 2 und 4 Modulen, Serie 3 -
Produktnorm

This European Standard was approved by CEN on 30 September 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard (EN 4165-012:2005) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 AECMA, 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 2006, and conflicting national standards shall be withdrawn at the latest by May 2006.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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1 Scope

This standard defines the flange mounting receptacle 2 and 4 modules, series 3 used in the family of rectangular electrical connectors. The plugs corresponding to those receptacles are defined in EN 4165-002.

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

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 4165-018, *Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 018: Protective cover for receptacle, 2 and 4 modules, series 2 and series 3 – Product standard.*

EN 4165-020, *Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 020: Coupling system keyway for receptacle – Product standard.*

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3 Terms and definitions

<https://standards.iteh.ai/catalog/standards/sist/78ea9fbd-b8e7-4c22-baee-93664192efa7/sist-en-4165-012-2008>

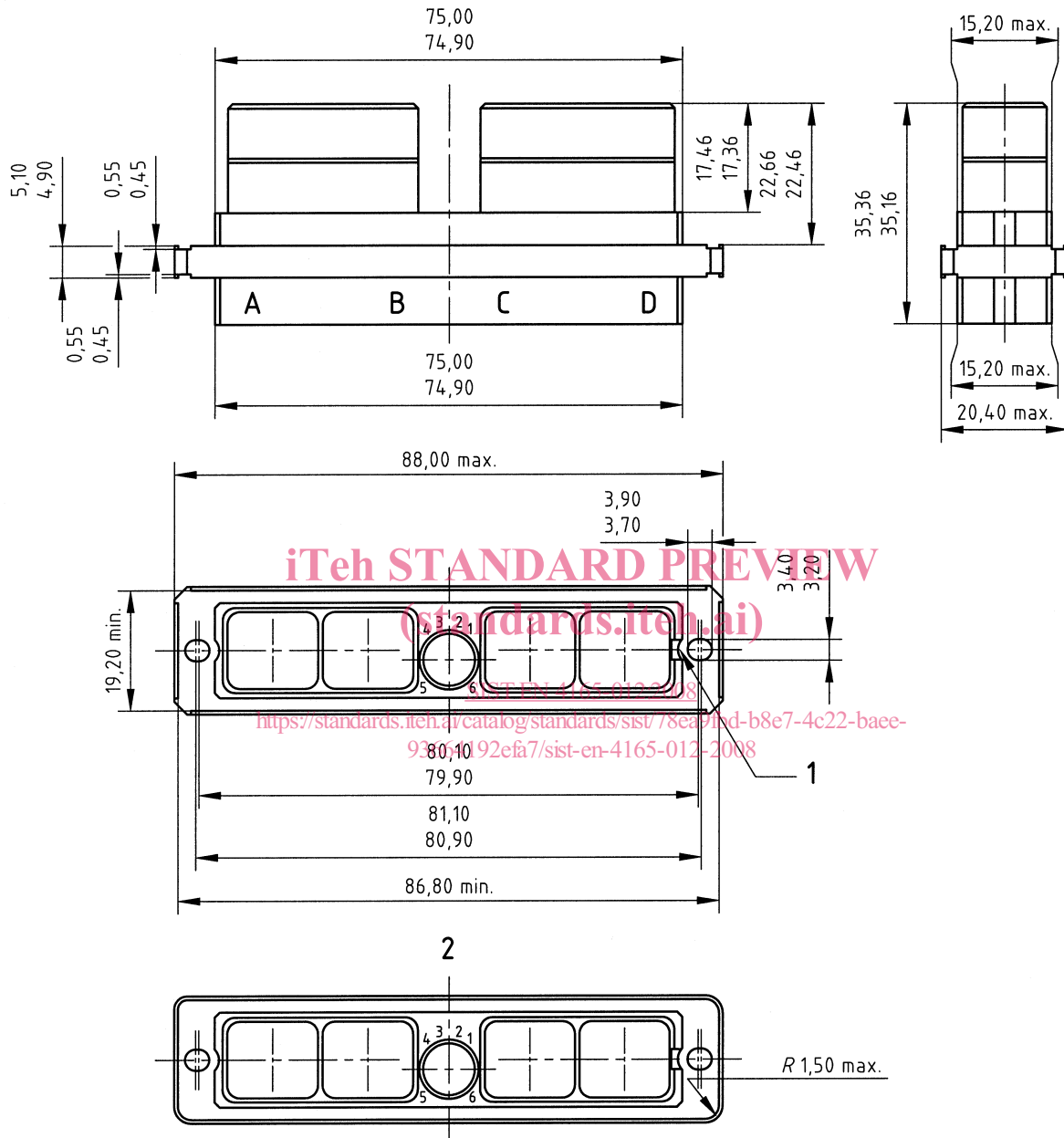
For the purposes of this standard, the terms and definitions given in EN 4165-001 apply.

4 Required characteristics

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

5.2 For 4 modules classes W, F and A

Dimensions are in millimetres.



Key

- 1 groove only for class W, F and A
- 2 accepted form of flange

Figure 2

5.3 Flange mounting receptacle class

See Table 1.

Table 1

Class	Description
W	Flange mounting receptacles with housing (shell) olive drab cadmium plated, aluminium alloy, conducting finish, 500 hours resistance to salt mist, maximum operating temperature 175 °C continuous
F	Flange mounting receptacles with housing (shell) black nickel plated, aluminium alloy, 96 hours resistance to salt mist, maximum operating temperature 175 °C continuous
A	Flange mounting receptacles with housing (shell) black anodised plated, aluminium alloy, no conducting finish, 48 hours resistance to salt mist, maximum operating temperature 175 °C continuous

6 Designation

EXAMPLE:

