SLOVENSKI STANDARD
SIST EN 4165-005:2009

01-februar-2009

Aeronavtika - Konektorji, elektriļ ni, pravokotni, modularni - Stalna delovna temperatura 175 ÁC - 005. del: Spojnik, zloģljivi, z 2 ali 4 moduli, serija 3 - Standard za proizvod

Aerospace series - Connectors, electrical, rectangular, modular - Operating temperature 175 °C continuous - Part 005: Stackable mounting receptacle 2 and 4 modules, series 3 - Product standard

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

Série aérospatiale - Connecteurs électriques modulaires - Températures d'utilisation 175°C continu - Partie 005 : Embase empilable 2 et 4 modules, série 3 - Norme de produit

Ta slovenski standard je istoveten z: **EN 4165-005:2007**

ICS:

49.060	Letalska in vesoljska elektriļ na oprema in sistemi	Aerospace electric equipment and systems

SIST EN 4165-005:2009 **en,de**

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 4165-005

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ICS 49.060

English Version

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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 Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (EN 4165-005:2007) 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 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of an identical text or by endorsement, at the latest by October 2007, and conflicting national standards shall be withdrawn at the latest by October 2007.

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1 Scope

This standard 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 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 4165-003, *Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 003: Modules series 2 and series 3 – Product standard.*[1)]

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.*

3 Terms and definitions

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

4 Required characteristics

See Figures 1 and 2.

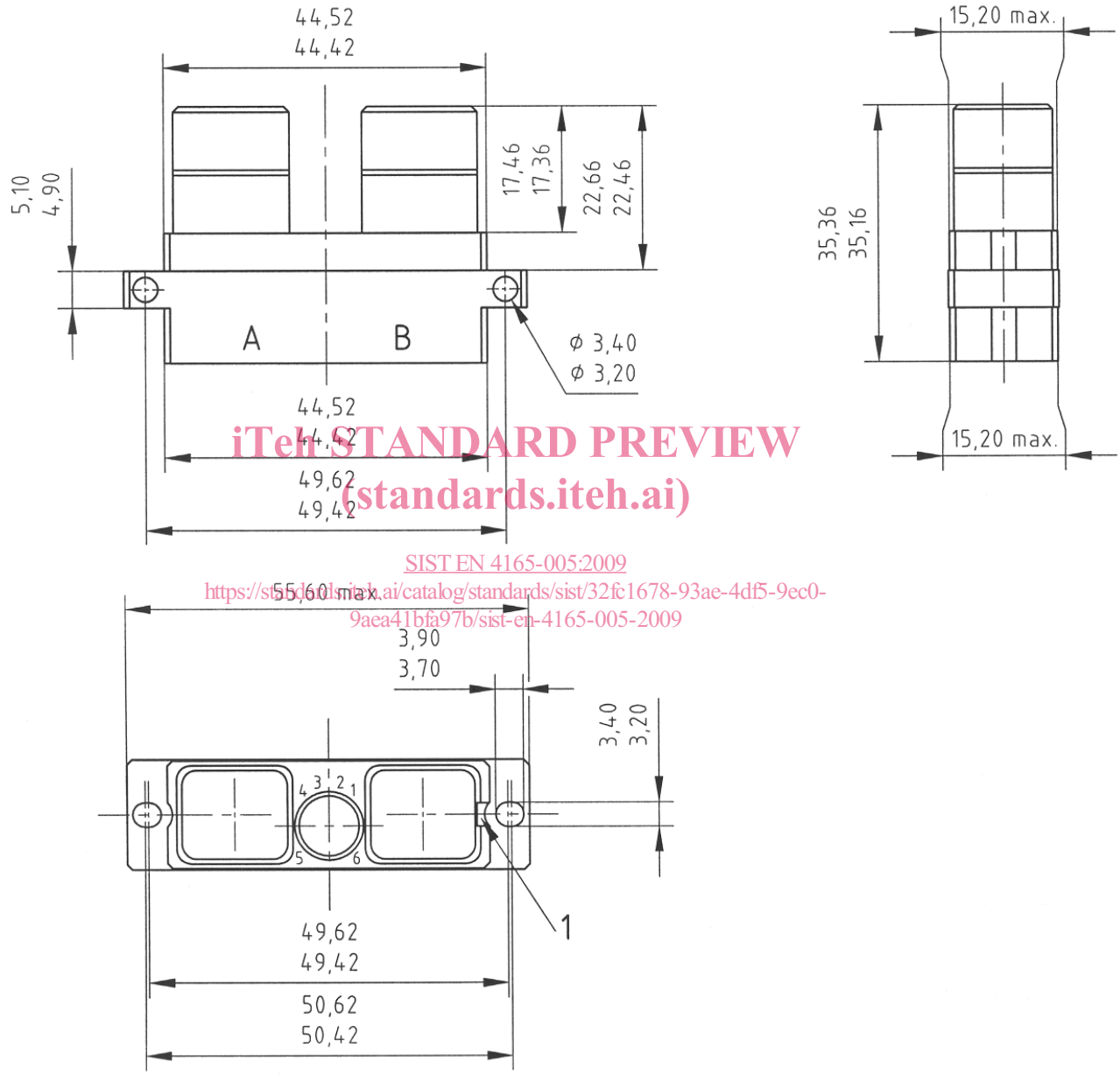
1) Published as AECMA Prestandard at the date of publication of this standard.

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

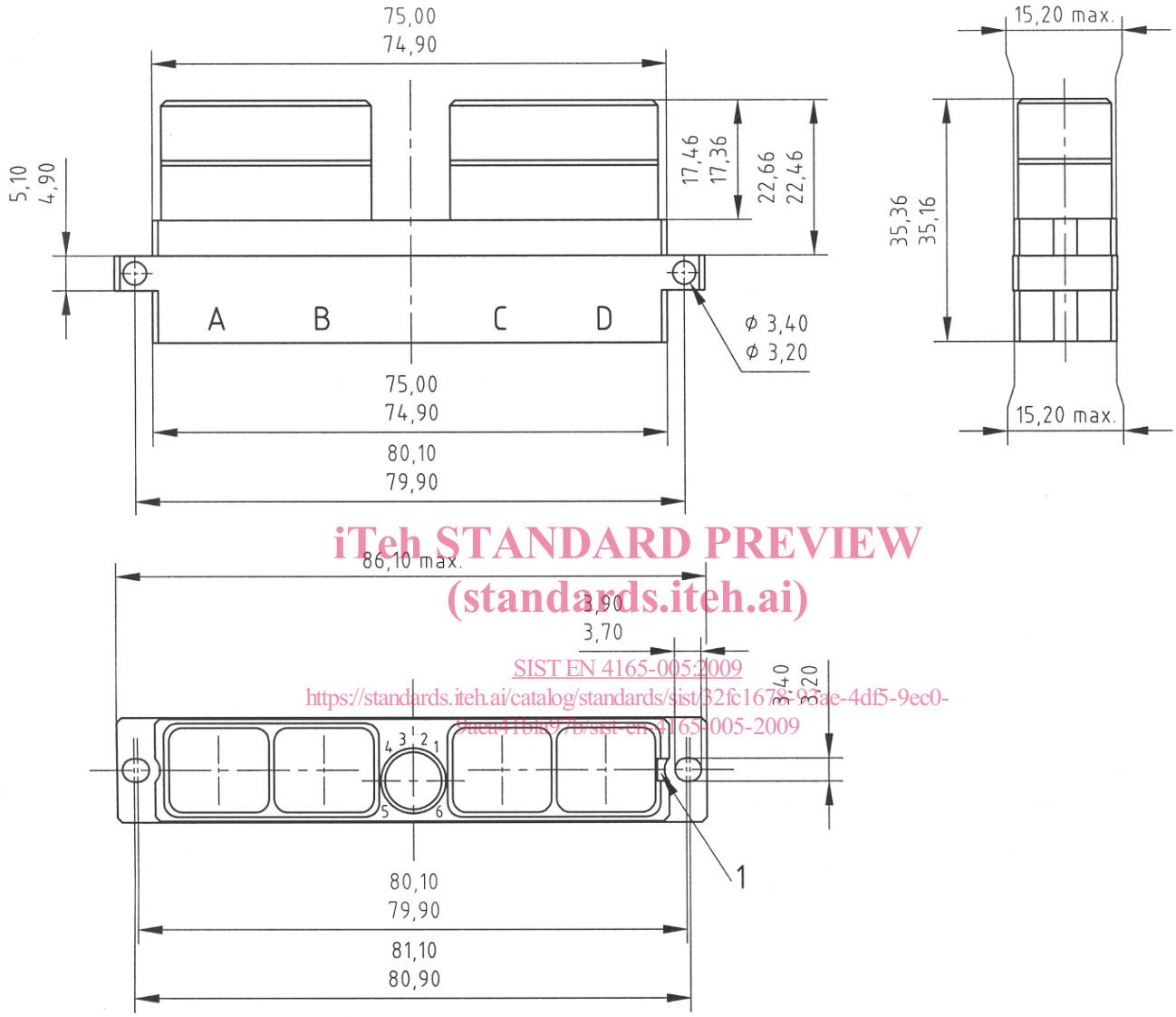
Figure 1

Mass (g) = 19,00

5.2 For 4 modules

See EN 4165-003.

Dimensions are in millimetres.



Key

1 Groove

Figure 2

Mass (g) = 24,80

5.3 Receptacle class

See Table 1.

Table 1

Classes	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

Description block | **Identity block**

ELECTRICAL CONNECTOR RECEPTACLE | **EN4165W0B400**

Number of the basic standard

Class (see Table 1)

Type 0 = Receptacle (see EN 4165-002)

Type B = Series 3

Shell type
- 4 = Stackable receptacle 4 modules
- 2 = Stackable receptacle 2 modules

Receptacle keying coupling (see EN 4165-020)
Not marked on the connector
- Dash = Not delivered
- 0 = Universal
- 1, 2, 3, 4, 5, 6 = Special coding

State of delivery receptacle keying coupling (see EN 4165-020)
Not marked on the connector
- 0 = Delivered not mounted
- 1, 2, 3, 4, 5, 6 = Mounting in the receptacle

7 Marking

Unless there are other specific contractual requirements, the marking shall be in accordance with EN 2424, category P.