SLOVENSKI STANDARD
SIST EN 3708-003:2009

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Aeronavtika - Modularni medsebojno povezljivi sistemi - Razdelilni moduli - 003. del: Snemljivi povratni skoznjiki, zatesnjeni - Standard za proizvod

Aerospace series - Modular interconnection systems - Terminal junction systems - Part 003: Removable feedback modules version, sealed - Product standard

Luft- und Raumfahrt - Verteilersysteme in modularer Bauweise - Verteilermodule - Teil 003: Anreihbare Rückleitungsmodule, abgedichtet - Produktnorm

Série aérospatiale - Systèmes d'interconnexions modulaires - Barrettes de raccordement - Partie 003 : Version à modules amovibles à retour, étanches - Norme de produit

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ICS:

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

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English Version

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Contents

Page

Foreword

This European Standard (EN 3708-003:2006) 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of an identical text or by endorsement, at the latest by November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

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1 Scope

This standard specifies a removable version of feedback sealed modules, designed to operate at temperatures between – 55 °C and 175 °C and at a maximum altitude of 21 000 m, constituting a terminal junction system used in modular interconnection systems.

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 2591-101, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 101: Visual examination.*

EN 2591-317, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 317: Flammability.*

EN 3708-001, *Aerospace series — Modular interconnection systems — Terminal junction systems — Part 001: Technical specification.*

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3708-001 apply.

4 Required characteristics

4.1 Dimensions and masses

See Figure 1 and Table 1.

The modules shall be coded A, B, C or D depending on their dimensions and the contacts with which they are used (see Table 1).

A recess shall be provided for coding labels, thickness: 0,5.

Dimensions and tolerances are in millimetres.

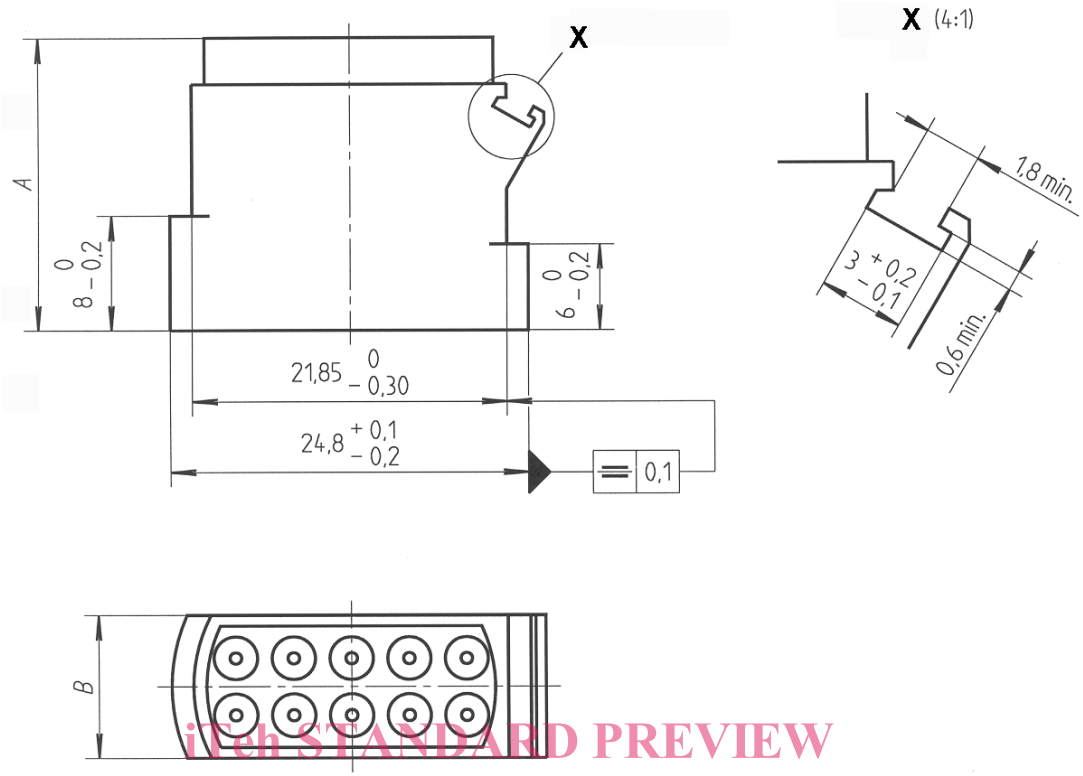

Figure 1

Table 1

Code	Contact size	*A* max.	*B* ± 0,1	Mass without contacts g max.
A	22	21,6	10	9
B	20	20	10	8
C	16	25	12	12
D	12	25	15	16

4.2 Interconnection diagrams

See Figures 2 to 6 and Tables 2 to 6.

The following shall be visible on the contact access surface:

— lines delimiting each group of contacts;

— the contact socket code for each group.

The colour of these lines and codes shall contrast with that of the contact access surface.

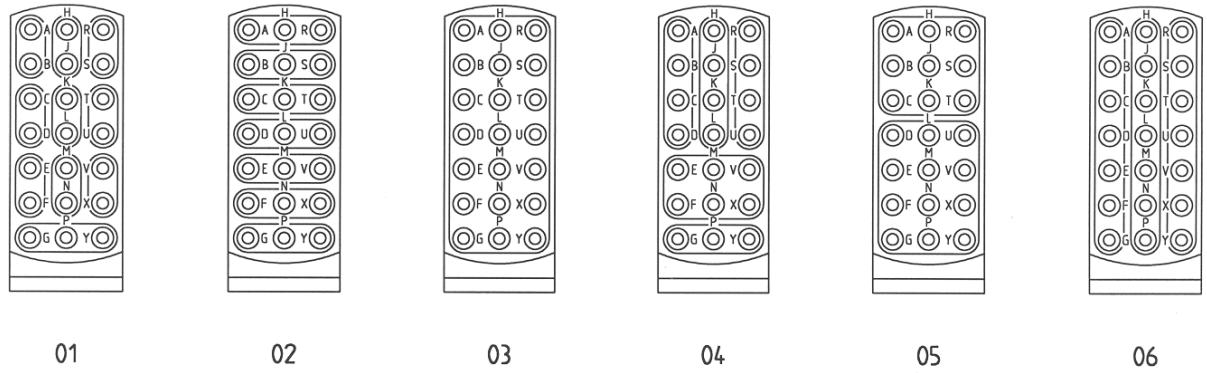

Figure 2 — Interconnection diagrams for modules code A, contact size 22

Table 2

Diagram number	Feedback module, code A	
	Number of contacts	Definition of diagrams
A01	21 of size 22	10 groups, 1 of 3 contacts 9 of 2 contacts
A02		7 groups of 3 contacts
A03		1 group of 21 contacts
A04		5 groups, 3 of 4 contacts 1 of 6 contacts 1 of 3 contacts
A05		1 group of 9 contacts 1 group of 12 contacts
A06		3 groups of 7 contacts

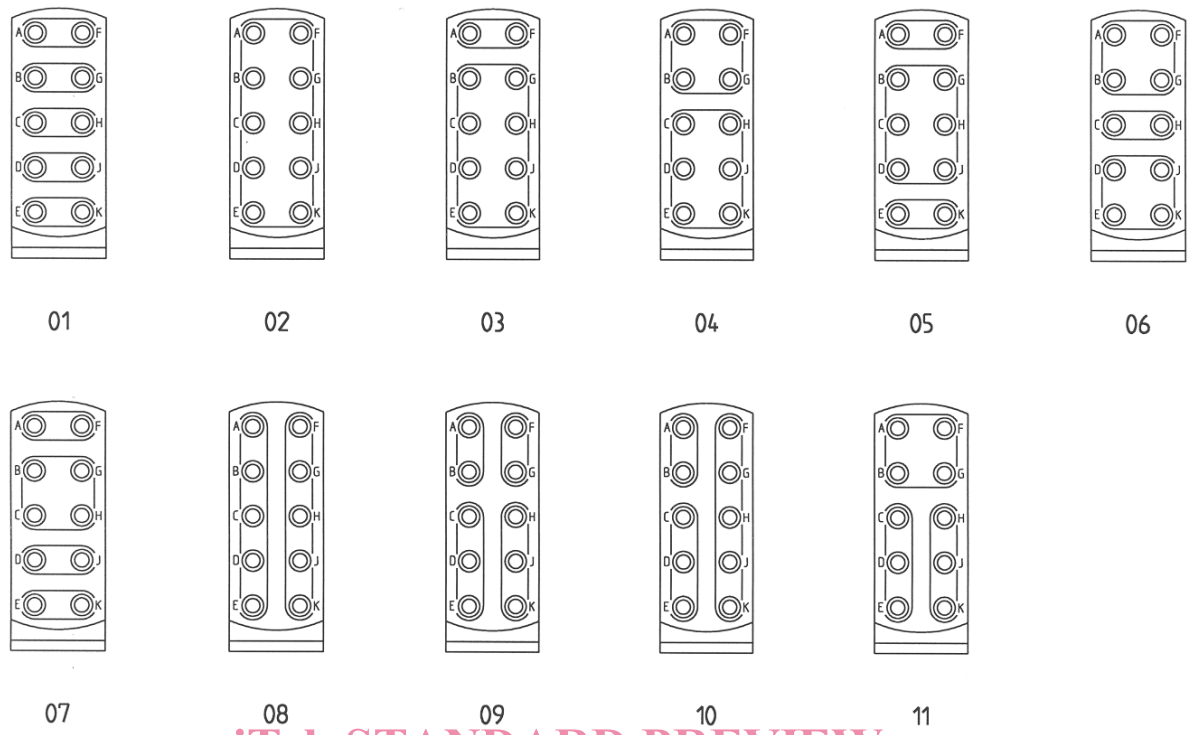

Figure 3 — Interconnection diagrams for modules code B, contact size 20

Table 3

Diagram number	Feedback module, code B	
	Number of contacts	Definition of diagrams
B01	10 of size 20	5 groups of 2 contacts
B02		1 group of 10 contacts
B03		2 groups, 1 of 2 contacts 1 of 8 contacts
B04		2 groups, 1 of 4 contacts 1 of 6 contacts
B05		3 groups, 2 of 2 contacts 1 of 6 contacts
B06		3 groups, 2 of 4 contacts 1 of 2 contacts
B07		4 groups, 3 of 2 contacts 1 of 4 contacts
B08		2 groups of 5 contacts
B09		4 groups, 2 of 2 contacts 2 of 3 contacts
B10		3 groups, 1 of 5 contacts 1 of 2 contacts 1 of 3 contacts
B11		3 groups, 1 of 4 contacts 2 of 3 contacts