



SLOVENSKI STANDARD SIST EN 3218-006:2009

01-september-2009

5 YfcbUj h_U! ?cbY lcf ždfUj c_cfb]žg' _cj]bg_]a 'c\]y^Ya]b'j]U b]a 'nU `YdUb^Ya
! '\$\$* "XY.]H] b]WJn'bYc `^j]a]gdU^ Ub]a]_cbU_hžj Y]_cgh&&! GfUbXUfX'nU
dfc]nj cX

Aerospace series - Connectors, rectangular, with metallic shells and screw-locking - Part 006: Receptacle with non-removable size 22 solder contacts - Product standard

Luft- und Raumfahrt - Rechtecksteckverbinder mit metallischem Gehäuse und Schraubverriegelung - Teil 006: Fester Steckverbinder mit Lötkontakten, Größe 22, nicht lösbar - Produktnorm

Série aérospatiale - Connecteurs rectangulaires à boîtiers métalliques et à verrouillage par vis - Partie 006 : Embase avec contacts à braser, taille 22, non démontables - Norme de produit

Ta slovenski standard je istoveten z: EN 3218-006:2006

ICS:

49.060 Š^æ\ æš Å^•[]b\ æ Aerospace electric
^|\ dā} æ[] !^ { æš Å ã c^ { ã equipment and systems

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en,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 3218-006

April 2006

ICS 49.060

English Version

**Aerospace series - Connectors, rectangular, with metallic shells
and screw-locking - Part 006: Receptacle with non-removable
size 22 solder contacts - Product standard**

Série aérospatiale - Connecteurs rectangulaires à boîtiers
métalliques et à verrouillage par vis - Partie 006 : Embase
avec contacts à braser, taille 22, non démontables - Norme
de produit

Luft- und Raumfahrt - Rechtecksteckverbinder mit
metallischem Gehäuse und Schraubverriegelung - Teil 006:
Fester Steckverbinder mit Lötkontakten, Größe 22, nicht
lösbar - Produktnorm

This European Standard was approved by CEN on 27 February 2006.

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.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This European Standard (EN 3218-006:2006) 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 October 2006, and conflicting national standards shall be withdrawn at the latest by October 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 3218-006:2006 (E)**1 Scope**

This standard defines rectangular connectors receptacles with metallic shells and screw-locking, in the receptacle version with non-removable size 22 solder contacts.

For associated plugs, see EN 3218-005.

For filler plugs and protective covers, see EN 4008-003 and EN 3218-010.

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 3218-001, *Aerospace series – Connectors, rectangular, with metallic shells and screw-locking – Part 001: Technical specification.*

EN 3218-002, *Aerospace series – Connectors, rectangular, with metallic shells and screw-locking – Part 002: Specification of performance and contact arrangements.*

EN 3218-005, *Aerospace series – Connectors, rectangular, with metallic shells and screw-locking – Part 005: Plug with non-removable size 22 solder contacts – Product standard.*

EN 3218-010, *Aerospace series – Connectors, rectangular, with metallic shells and screw-locking – Part 010: Protective covers for EN 3218-006 and EN 3218-008 connectors – Product standard.*

EN 4008-003, *Aerospace series – Elements of electrical and optical connection – General accessories and tooling – Part 003: Filler plugs for contacts used in elements of electrical connection – Product standard.*¹⁾

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3218-001 apply.

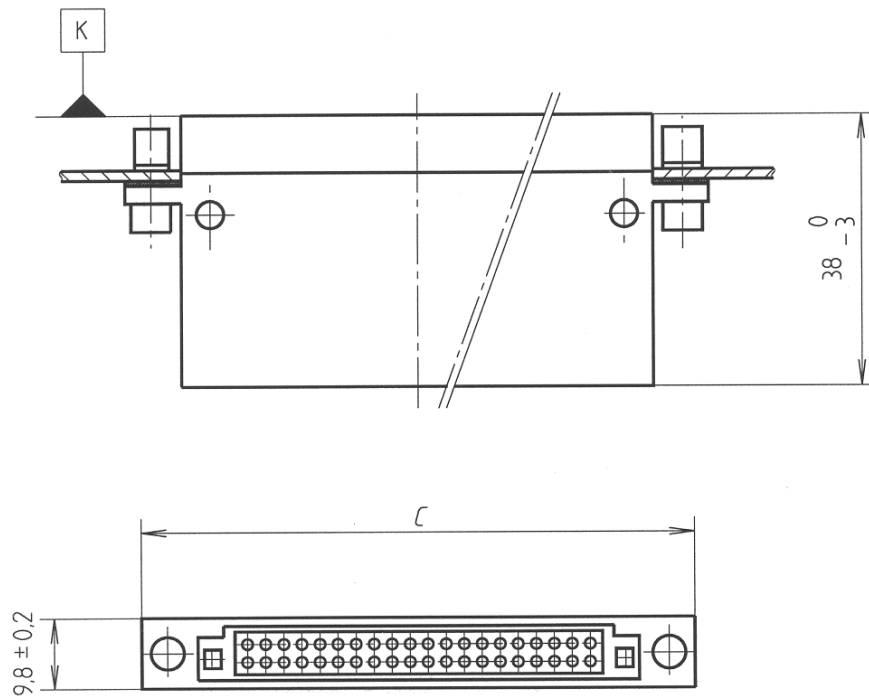
4 Required characteristics**4.1 Dimensions and masses**

Dimensions are shown in Figure 1 and in Table 1.

Masses are indicated in Table 1.

Dimensions and tolerances are in millimetres.

1) In preparation at the date of publication of this standard.



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Figure 1

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Table 1

Size	Mass ^a with contacts	g
	max.	max.
1	51,5	32
2	77,0	48

^a Accessories included

4.2 Materials and surface finishing

See EN 3218-002.

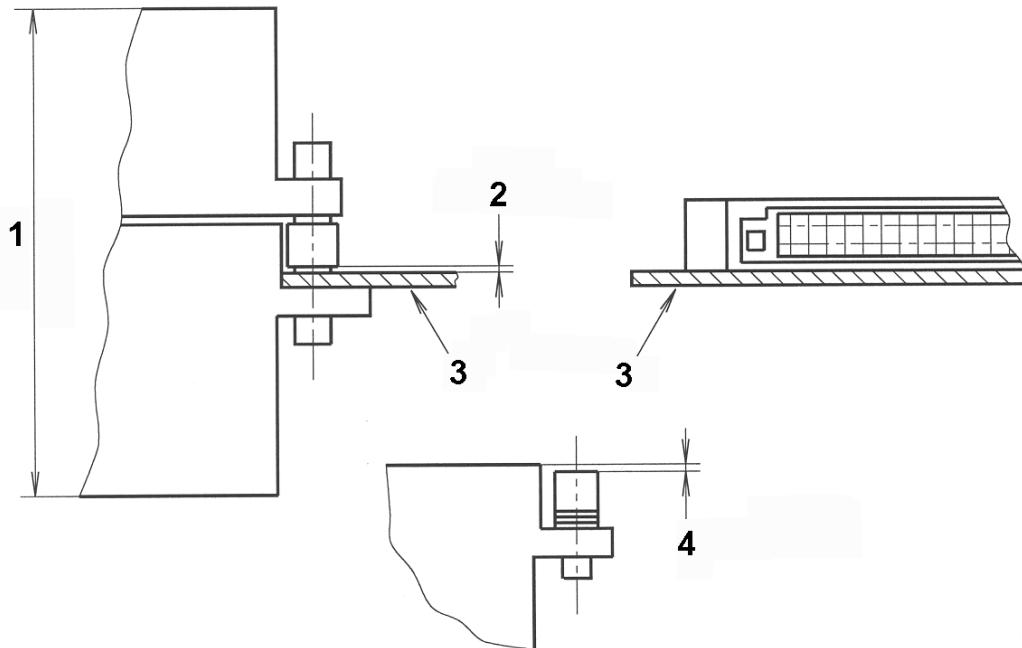
4.3 Main general characteristics

See EN 3218-002.

4.4 Panel mounting and cut-out

4.4.1 Panel mounting

See Figure 2 and Table 2.

**Key**

- 1 65,5 max. – 75 Unmated
- 2 Spacer thickness: 0,8
- 3 Panel
- 4 0 to 1 – Mating condition

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Figure 2 — Rear and side mountings

Maximum permissible torque on the locking screw: 1,7 N.m.

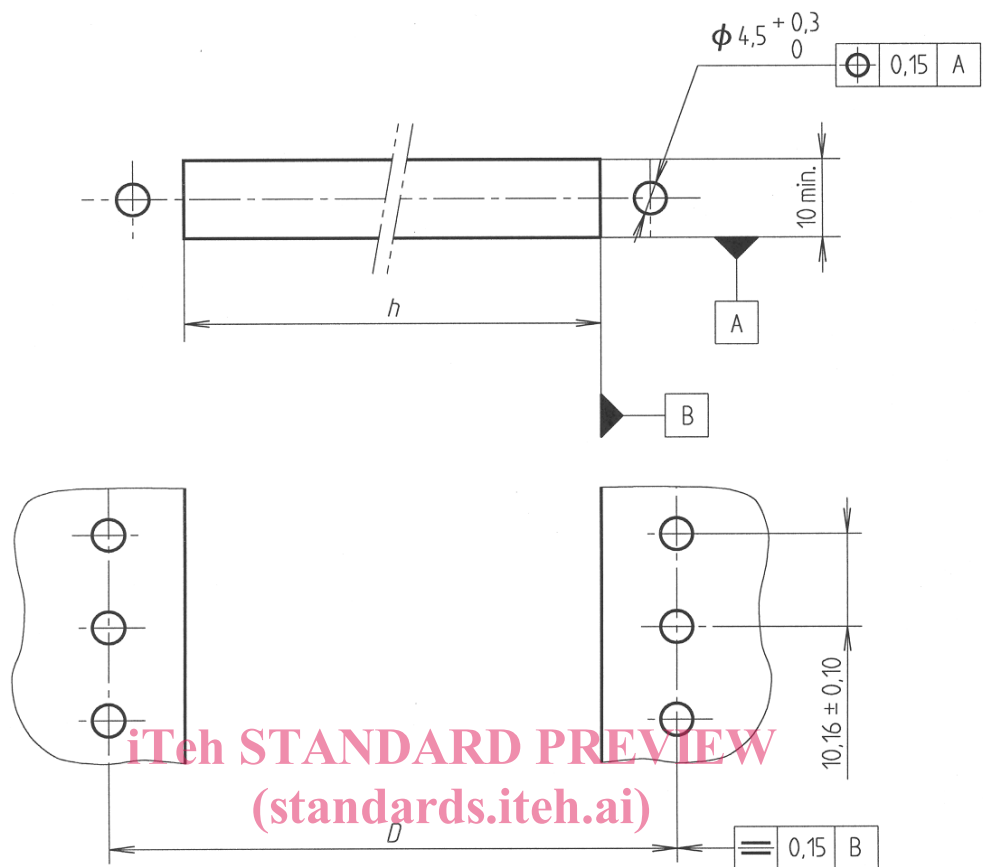
Where receptacles are mounted by the rear face, the number of compensating washers varies depending on the thickness of the panel (see Table 2). Mounting from the front of the bulkhead is not permitted.

Table 2 — Compensating spacers

	Panel thickness	Number of spacers
Side mounted	–	3
	≤ 1	2
Rear mounted	1,1 to 1,8	1
	1,9 to 2,4	0

4.4.2 Panel cut-out

See Figures 3 and 4 and Table 3.



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Maximum thickness of panel 2,4
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Figure 3 — Rear panel mounting of receptacles

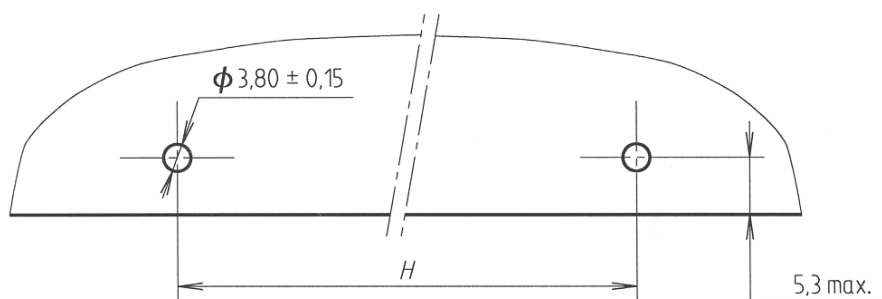


Figure 4 — Side panel mounting of receptacles

Table 3 — Receptacles mounting

	D	H	h
	$\pm 0,1$	$\pm 0,1$	$+ 0,4$ 0
Size 1	44,45	32,30	38,40
Size 2	69,85	57,70	63,80