SLOVENSKI STANDARD
SIST EN 3372-003:2009

01-julij-2009

Aeronavtika - Konektorji, električni, okrogli, zagļiteni kontakt, z bajonetnim sklapljanjem, stalna delovna temperatura med -65 ÁC in 175 ÁC ali 200 ÁC - 003. del: Podlaga s kvadratno prirobnico - Standard za proizvod

Aerospace series - Connectors, electrical, circular, medium and high contact density, scoop-proof with bayonet coupling, operating temperatures - 65 °C to 175 °C or 200 °C continuous - Part 003: Square flange receptacle - Product standard

Luft- und Raumfahrt - Elektrische Rundsteckverbinder, kontaktgeschützt, Bajonettkupplung, Betriebstemperatur -65 °C bis 175 °C oder 200 °C konstant - Teil 003: Fester Steckverbinder mit quadratischem Montageflansch - Produktnorm

Série aérospatiale - Connecteurs électriques circulaires scoop-proof à accouplement par baïonnettes température d'utilisation - 65 °C to 175 °C ou 200 °C continu - Partie 003 : Embase à fixation par collerette carrée - Norme de produit

Ta slovenski standard je istoveten z: **EN 3372-003:2007**

ICS:

49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

SIST EN 3372-003:2009 **en,de**

EUROPEAN STANDARD

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English Version

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This European Standard was approved by CEN on 24 June 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 CEN 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 Management Centre has the same status as the official versions.

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

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Foreword

This document (EN 3372-003:2007) 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 January 2008, and conflicting national standards shall be withdrawn at the latest by January 2008.

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, 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.

1 Scope

This standard specifies the characteristics of square flange mounted receptacles in the family of circular electrical connectors coupled by bayonet ring.

It applies to class defined in Table 3.

For contacts, filler plugs and rear accessories associated with this receptacle, see EN 3372-002. For plugs and protective covers, see EN 3372-008 and EN 3372-006 respectively.

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 3372-001, *Aerospace series — Connectors, electrical, circular, medium and high contact density, scoop-proof with bayonet coupling, operating temperatures − 65 °C to 175 °C or 200 °C continuous — Part 001: Technical specification*

EN 3372-002, *Aerospace series — Connectors, electrical, circular, medium and high contact density, scoop-proof with bayonet coupling, operating temperatures − 65 °C to 175 °C or 200 °C continuous — Part 002: Specification of performance and contact arrangements*

EN 3372-006, *Aerospace series — Connectors, electrical, circular, medium and high contact density, scoop-proof with bayonet coupling, operating temperatures − 65 °C to 175 °C or 200 °C continuous — Part 006: Protective cover for receptacle — Product standard*

EN 3372-008, *Aerospace series — Connectors, electrical, circular, medium and high contact density, scoop-proof with bayonet coupling, operating temperatures − 65 °C to 175 °C or 200 °C continuous — Part 008: Free plug with grounding spring — Product standard*

EN 3155-002, *Aerospace series — Electrical contacts used in elements of connection — Part 002: List and utilization of contacts*

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3372-001 apply.

4 Required characteristics

4.1 Dimensions, mass

See Figure 1 and Table 1.

Dimensions apply after surface treatment

Dimensions in millimetres

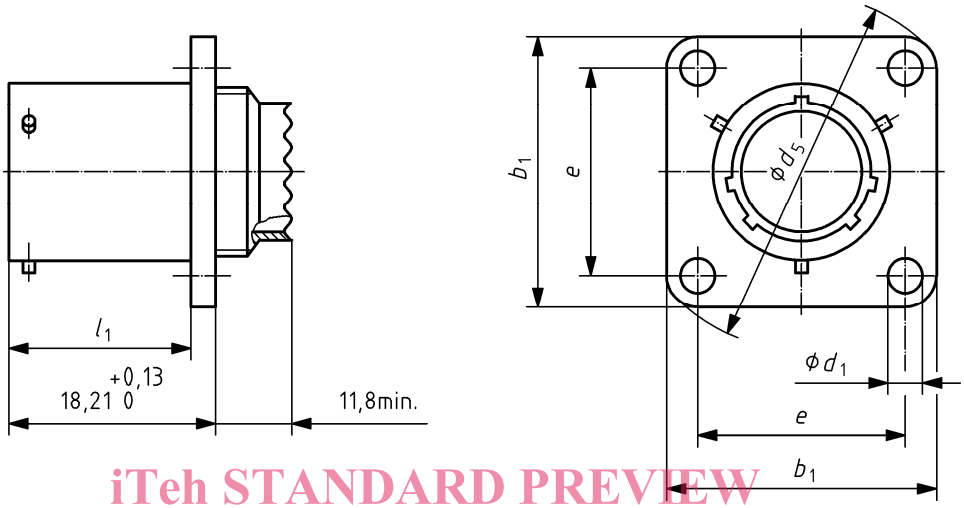


Figure 1 — Receptacle

Table 1 — Dimensions and mass

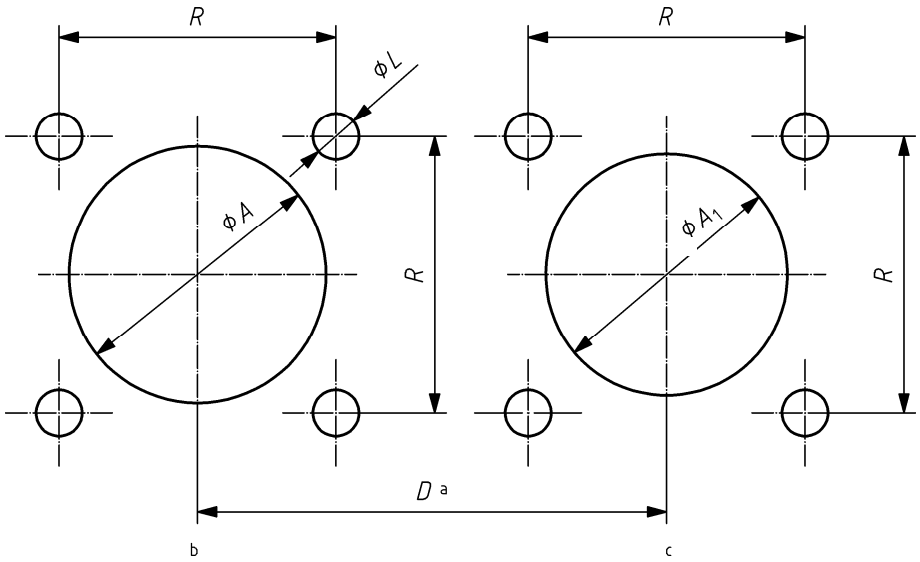
Housing size	b_1 mm ± 0,4	d_1 mm ± 0,13	d_5 mm max.	E mm ± 0,1	l_1 mm + 0 − 0,13	Mass[a] g Pin max.	Mass[a] g Socket max.
08	20,6	3,05	27,2	15,1	16,05	9,0	11,0
10	23,8		32,0	18,3		9,0	14,0
12	26,2		35,2	20,6		13,0	17,0
14	28,6		38,4	23,0		18,0	30,0
16	31,0		41,5	24,6		21,0	34,0
18	33,3		44,7	27,0		27,0	43,0
20	36,5		47,9	29,4	15,29	32,0	52,0
22	39,7		51,1	31,8		42,0	65,0
24	42,9	3,73	55,8	34,9		48,0	90,0

[a] Mass with contacts and without accessories.

4.2 Panel cut-out and mounting of connectors

See Figure 2 and Table 2 for panel cut-out and mounting of connectors.

Dimensions in millimetres



a $D_{min.}$ value is calculated as follows: ½ D connector one + ½ D connector two (see Table 2 for value D).

b Back panel mounting

c Front panel mounting

Figure 2 — Panel cut-out

Table 2 — Cut-out dimensions

Dimensions in millimetres

Housing size	A ± 0,1	A_1 ± 0,1	R ± 0,2	L ± 0,2	D min.
08	14,0	12,7	15,1	3,5	28,0
10	17,0	16,0	18,3		31,0
12	22,0	19,0	20,6		36,0
14	25,0	22,2	23,0		41,0
16	28,0	25,5	24,6		43,0
18	31,0	28,5	27,0		46,0
20	34,5	31,7	29,4		53,0
22	37,5	35,0	31,8		58,0
24	41,0	38,0	34,9	4,0	61,0

4.3 Material, surface treatment

See Table 3.

4.4 Main general characteristics

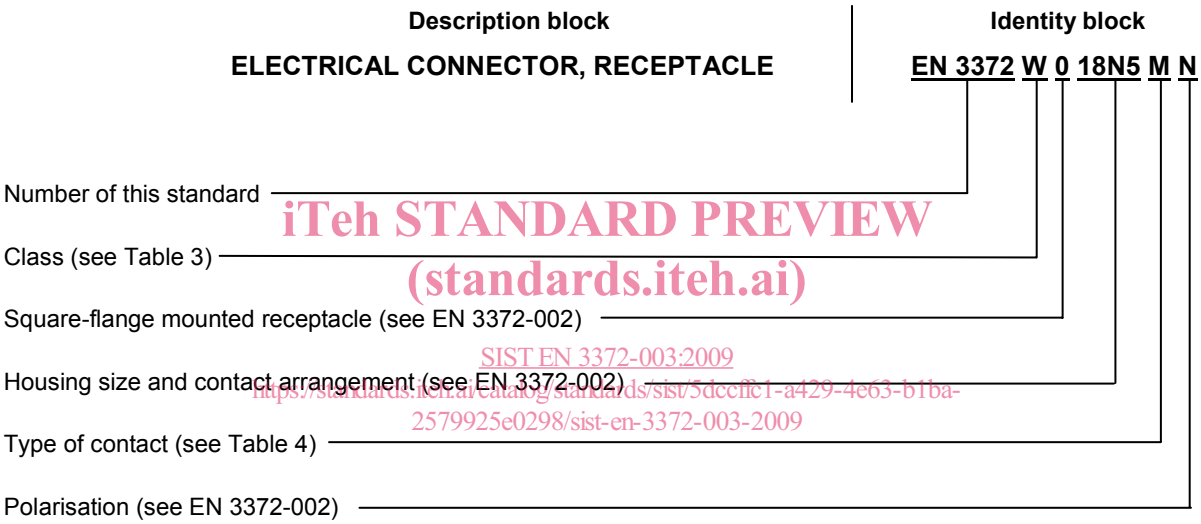
According to EN 3372-002.

4.5 Possible combinations of plugs and receptacles

According to EN 3372-002.

5 Designation

EXAMPLE



NOTE If necessary, the code I9005 shall be placed between the description block and the identity block.

Table 3 — Connector class

Class	Description
W	Cadmium-plated aluminium alloy, olive drab — 500 h salt spray — Plug with grounding spring — Crimp, removable contacts — Maximum operating temperature 175 °C continuous
F	Nickel-plated aluminium alloy — 48 h salt spray — Plug with grounding spring — Crimp, removable contacts — Maximum operating temperature 200 °C continuous