

**SLOVENSKI STANDARD**  
**SIST EN 2997-011:2020****01-februar-2020****Nadomešča:****SIST EN 2997-011:2010**

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**Aeronavtika - Konektorji, električni, okrogli, priključeni z navojnim obročkom, odporni ali neodporni proti ognju, s stalno delovno temperaturo med –65 °C in 175 °C, stalno 200 °C, najvišjo 260 °C - 011. del: Slepa doza - Standard za proizvod**

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak - Part 011: Dummy receptacle - Product standard

Luft- und Raumfahrt - Elektrische Rundsteckverbinder mit Schraubkupplung, feuerbeständig oder nicht feuerbeständig, Betriebstemperaturen - 65 °C bis 175 °C konstant, 200 °C konstant, 260 °C Spitze Teil 011: Blinddose - Produktnorm

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Série aérospatiale - Connecteurs électriques circulaires à accouplement par bague filetée, résistant au feu ou non, températures d'utilisation - 65 °C à 175 °C continu, 200 °C continu, 260 °C en pointe - Partie 011 : Embase de repos - Norme de produit

**Ta slovenski standard je istoveten z: EN 2997-011:2019**

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**ICS:**

31.220.10	Vtiči in vtičnice, konektorji	Plug-and-socket devices. Connectors
49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

**SIST EN 2997-011:2020****en,fr,de**

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EUROPEAN STANDARD

EN 2997-011

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2019

ICS 49.060

Supersedes EN 2997-011:2010

English Version

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by threaded ring, fire resistant or non fire resistant,  
operating temperatures -65 °C to 175 °C continuous, 200  
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°C konstant, 200 °C konstant, 260 °C Spitze - Teil 011:  
Blinddose - Produktnorm

This European Standard was approved by CEN on 13 October 2019.

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-CENELEC 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-CENELEC 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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 2997-011:2019) 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 document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2020, and conflicting national standards shall be withdrawn at the latest by June 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 2997-011:2010.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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**EN 2997-011:2019 (E)****1 Scope**

This document specifies the characteristics of dummy receptacles in the family of circular electrical connectors coupled by threaded ring.

It applies to the class defined in Table 3.

For plugs associated with these dummy receptacles, see EN 2997-008.

**2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 2591-408, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 408: Mating and unmating forces*

EN 2997-001, *Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 001: Technical specification*

EN 2997-002, *Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 002: Specification of performance and contact arrangements*

EN 2997-008, *Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures - 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 008: Plug* <https://standards.iteh.ai/catalog/standards/sist/768a2c44-3eff-41a0-a9ba-f29d53a664a4/sist-en-2997-011-2020>

ISO 263, *ISO inch screw threads — General plan and selection for screws, bolts and nuts — Diameter range 0,06 to 6 in*

**3 Terms and definitions**

For the purposes of this document, the terms and definitions given in EN 2997-001 and the following apply.

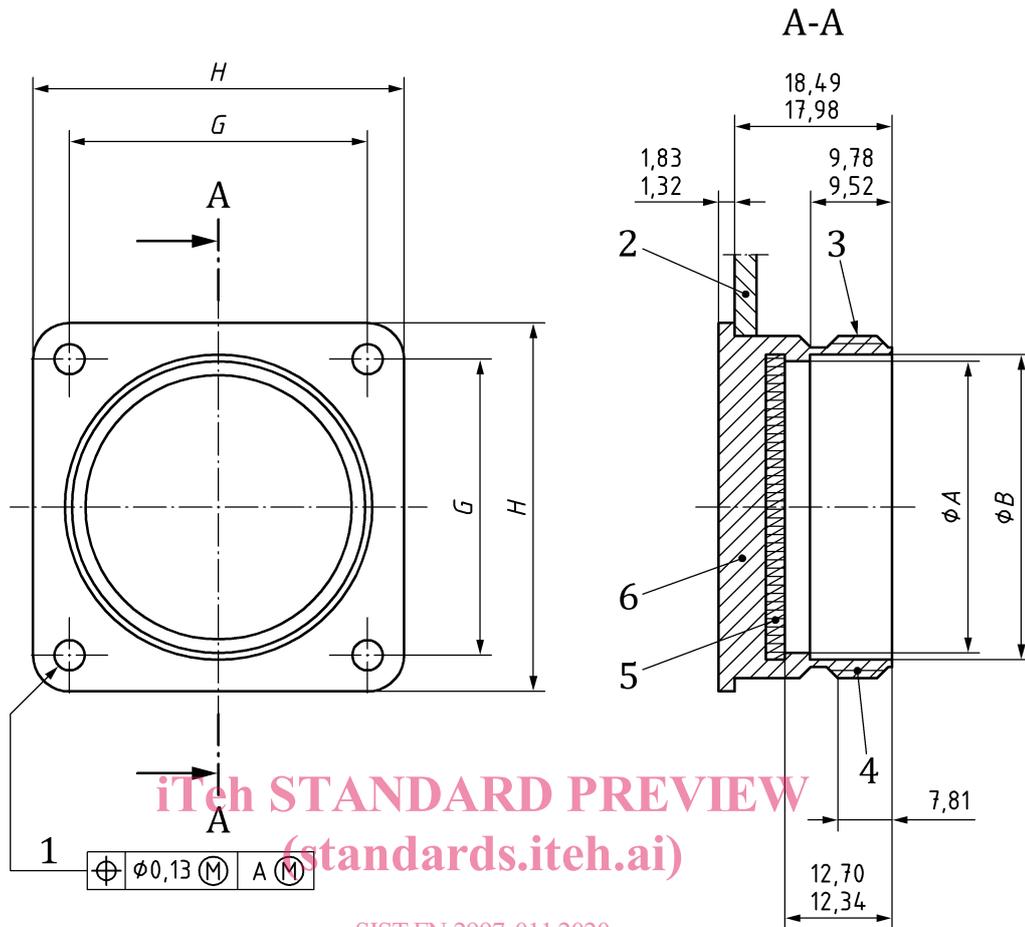
ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <http://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

**4 Required characteristics****4.1 Dimensions and mass**

See Figure 1 and Table 1.

Dimensions and tolerances are in millimetres; they apply after surface treatment.



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### Key

- 1 4 (four) holes  $\begin{matrix} \varnothing 3,30 \\ \varnothing 3,05 \end{matrix}$  shell sizes 08 to 22
- 4 (four) holes  $\begin{matrix} \varnothing 3,91 \\ \varnothing 3,68 \end{matrix}$  shell sizes 24 to 28
- 2 Panel (see Figure 3)
- 3 Thread
- 4 Coupling, external part, conforms to EN 2997-001
- 5 Gasket
- 6 Blue colour band 0,54 mm min.width

Figure 1

Table 1

Housing size	Thread class 2A <sup>a</sup>	$\varnothing A$ +0,13 0	$\varnothing B$ +0,13 0	G	H		Mass g max.	
					max.	min.	Stainless steel	Aluminium alloy
08	0,5625-24UNEF	10,49	12,07	15,09	20,75	20,49	19,5	7,0
10	0,6875-24UNEF	13,46	14,63	18,26	23,93	23,67	27,9	10,0
12	0,8750-20UNEF	17,78	18,95	20,62	26,32	26,06	40,2	14,4
14	0,9375-20UNEF	19,53	20,70	23,01	28,71	28,45	45,0	16,1
16	1,0625-18UNEF	22,76	23,93	24,61	31,88	31,62	55,0	19,7
18	1,1875-18UNEF	25,45	26,62	26,97	34,24	33,98	67,9	24,4
20	1,3125-18UNEF	28,63	29,74	29,36	36,63	36,37	78,6	28,2
22	1,4375-18UNEF	31,80	32,94	31,75	39,80	39,54	92,9	33,3
24	1,5625-18UNEF	34,98	36,07	34,92	43,39	43,13	107,8	38,7
28	1,8125-16UN	41,32	42,49	39,67	50,93	50,67	140,4	50,4

<sup>a</sup> See ISO 263.

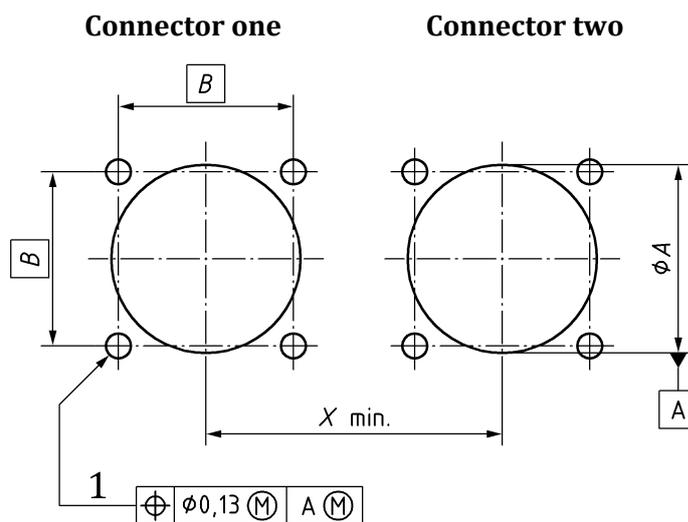
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## 4.2 Panel cut-out and mounting of connectors

See Figure 2 and Table 2 for panel cut-out and Figure 3 for mounting of connectors.

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Dimensions and tolerances in millimetres



### Key

1 4 (four) holes  $\varnothing C$

NOTE X min. value is calculated as follows:  $D/2$  connector one +  $D/2$  connector two. (See Table 2 for value  $D$ .)

Figure 2

Table 2

Housing size	$\varnothing A$ min.	$B$	$C$	$D$ min.
08	15,80	15,09	3,30 3,10	31,70
10	18,70	18,26		34,90
12	23,40	20,62		39,60
14	24,90	23,01		41,25
16	28,30	24,61		44,45
18	31,10	26,97		47,35
20	34,50	29,36		51,90
22	37,50	31,75		54,10
24	40,60	34,92	3,91 3,68	57,25
28	48,00	39,67		65,25

Front mounting

Rear mounting

**Key**

1 Panel

Figure 3

**4.3 Material, surface treatment**

See Table 3.

**4.4 Main general characteristics**

See EN 2997-002.

**4.5 Possible combinations of dummy receptacles and connectors**

See EN 2997-002.