SLOVENSKI STANDARD
SIST EN 2997-11:2001

01-januar-2001

Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures 175°C continuous, 200°C continuous, 260°C peak - Part 11: Dummy receptacle - Product standard

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Luft- und Raumfahrt - Elektrische Rundsteckverbinder mit Schraubkupplung, feuerbeständig oder nicht feuerbeständig, Betriebstemperaturen 175°C konstant, 200°C konstant, 260°C Spitze - Teil 11: Blinddose - Produktnorm

Série aérospatiale - Connecteurs électriques circulaires à accouplement par bague filetée, résistant au feu ou non, températures d'utilisation 175°C continu, 200°C continu, 260°C en pointe - Partie 11: Embase de repos - Norme de produit

Ta slovenski standard je istoveten z: EN 2997-11:1997

ICS:

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

SIST EN 2997-11:2001 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 2997-11

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English version

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This European Standard was approved by CEN on 1996-08-04. 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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart,36 B-1050 Brussels

Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries 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of an identical text or by endorsement, at the latest by December 1997, and conflicting national standards shall be withdrawn at the latest by December 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

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

It applies to the models defined in table 4.

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

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 2997-001 Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures 175 °C continuous, 200 °C continuous, 260 °C peak - Part 001 : Technical specification [1)]

EN 2997-002 Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures 175 °C continuous, 200 °C continuous, 260 °C peak - Part 002 : Specification of performance and contact arrangements [1)]

EN 2997-008 Aerospace series - Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures 175 °C continuous, 200 °C continuous, 260 °C peak - Part 008 : Plug - Product standard [1)]

FED-STD-H28 : 1978 Screw-thread standards for federal services [2)]

3 Terminology

See EN 2997-001.

1) Published as AECMA Prestandard at the date of publication of this standard
2) Published by : Department of Defense (DOD), the Pentagon, Washington, D.C. 20301 USA

4 Required characteristics

4.1 Dimensions, mass

See figure 1 and table 1.
Dimensions and tolerances are in millimeters ; they apply after surface treatment.

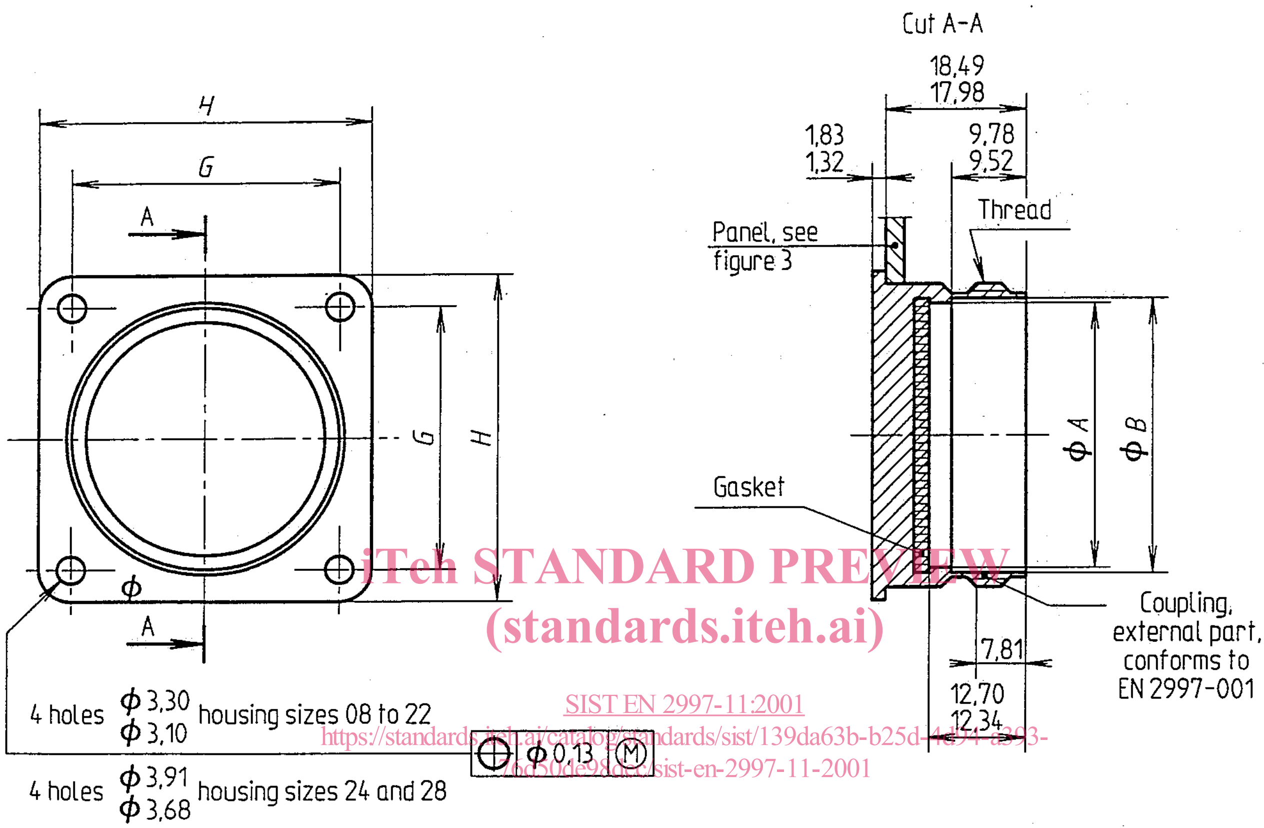


Figure 1

Table 1

Housing size	Thread class 2A 1)	*A* + 0,13 0	*B* + 0,13 0	*G*	*H* max.	*H* min.	Mass g max. Stainless steel	Mass g max. 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	1,0625-16UNEF	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	1,3125-16UNEF	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

1) FED-STD-H28

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. Dimensions and tolerances are in millimeters.

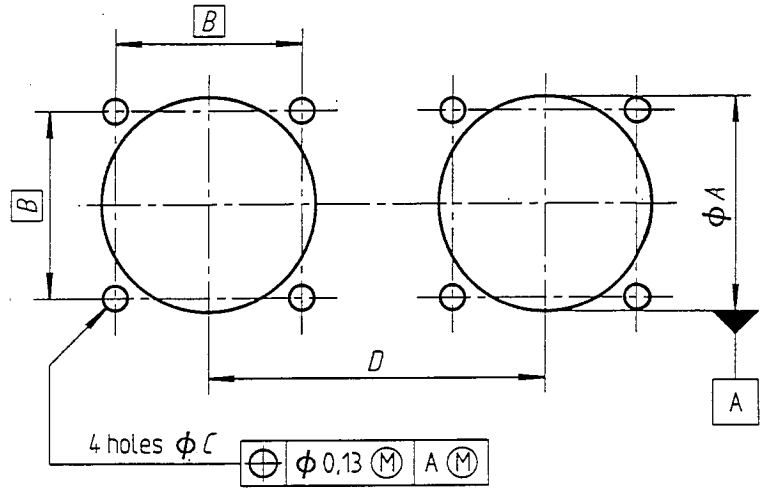
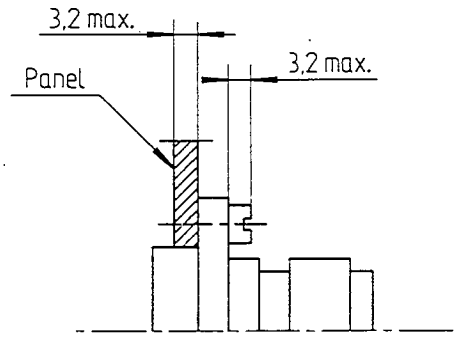


Figure 2

Table 2

Housing size	A min.	B	C	D min.
08	15,80	15,09		31,70
10	18,70	18,26		34,90
12	23,40	20,62		39,60
14	24,90	23,01	3,30	41,25
16	28,30	24,61	3,10	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	57,25
28	48,00	39,67	3,68	65,25

Front mounting



Rear mounting

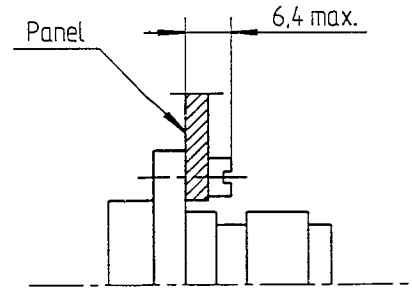


Figure 3

4.3 Material, surface treatment

See table 4.

4.4 Main general characteristics

See EN 2997-002.

4.5 Possible combinations of dummy receptacles and connectors

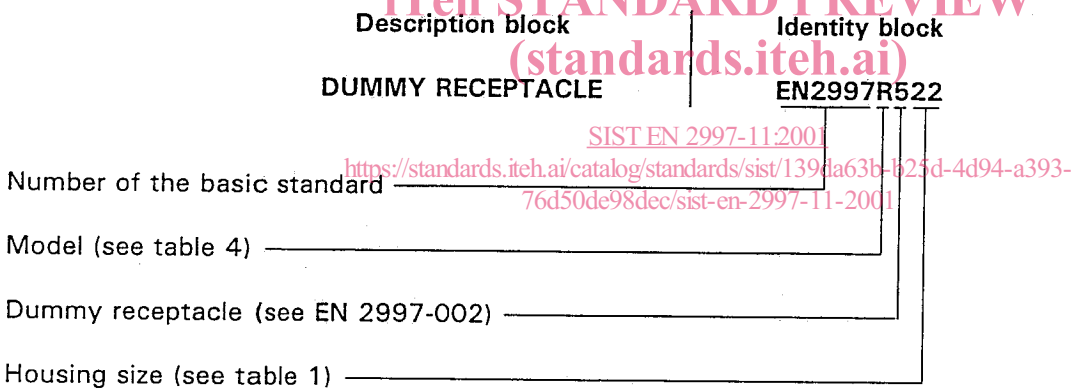
See table 3.

Table 3

Dummy receptacles	K	R	KE	W
Plugs	K or S	R or RS	KE or SE	W or WS

5 Designation

EXAMPLE :



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

Table 4 : Dummy receptacle models

Models	Description
K	Dummy receptacle in passivated stainless steel, maximum operating temperature 200 °C continuous
R	Dummy receptacle in nickel-plated aluminium alloy, maximum operating temperature 200 °C continuous
W	Dummy receptacle in olive-green cadmium-plated aluminium alloy, maximum operating temperature 175 °C continuous
KE	Dummy receptacle in passivated stainless steel, maximum operating temperature 260 °C peak