SLOVENSKI STANDARD
SIST EN 3645-006:2009

01-maj-2009

Aeronavtika - Konektorji, elektriļ ni, okrogli, zaġļ iteni kontakt, hitra spojka z navojem, stalna delovna temperatura med 175 ÁC in 200 ÁC - 006. del: Zaġļ itna kapa - Standard za proizvod

Aerospace series - Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous - Part 006: Protective cover for receptacle - Product standard

Luft- und Raumfahrt - Elektrische Rundsteckverbinder, kontaktgeschützt, dreigängige Gewinde-Schnellkupplung, Betriebstemperatur 175 °C oder 200 °C konstant - Teil 006: Schutzkappe für festen Steckverbinder - Produktnorm

Série aérospatiale - Connecteurs électriques circulaires à contacts protégés, à accouplement par filetage à pas rapide à trois filets, températures d'utilisation 175 °C ou 200 °C continu - Partie 006 : Bouchon de vol pour embase - Norme de produit

Ta slovenski standard je istoveten z: **EN 3645-006:2006**

ICS:

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

SIST EN 3645-006:2009 **en,de**

EUROPEAN STANDARD

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EUROPÄISCHE NORM

EN 3645-006

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ICS 49.060

English Version

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Luft- und Raumfahrt - Elektrische Rundsteckverbinder, kontaktgeschützt, Drei-gangige Gewinde-Schnellkupplung, Dauerbetriebstemperaturen 175 °C oder 200 °C - Teil 006: Schutzkappe für festen Steckverbinder - Produktnorm

This European Standard was approved by CEN on 28 September 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 document (EN 3645-006:2006) 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 June 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

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.

1 Scope

This standard specifies the characteristics of protective covers for receptacles in the family of circular electrical connectors with triple start threaded coupling.

It applies to models in Table 2.

For receptacles, see EN 3645-003, EN 3645-004, EN 3645-005, EN 3645-009 and EN 3645-010 respectively.

These connectors are derived from and interchangeable with models W, F and K in MIL-DTL-38999/33.

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 3645-001, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 001: Technical specification.*

EN 3645-002, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 002: Specification of performance and contact arrangements.*

EN 3645-003, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 003: Receptacle square flange mounting — Product standard.*

EN 3645-004, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 004: Receptacle, hermetic, square flange mounting — Product standard.*

EN 3645-005, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 005: Receptacle, hermetic, round flange, brasage mounting — Product standard.*

EN 3645-009, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 009: Receptacle, round flange, jam nut mounting — Product standard.*

EN 3645-010, *Aerospace series — Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous — Part 010: Receptacle, hermetic, round flange, jam nut mounting — Product standard.*

MIL-DTL-38999/33, *Connector, electrical, circular, cover, protective, receptacle, series III, metric.* [1)]

3 Terms and definitions

For the purposes of this standard, the terms and definitions given in EN 3645-001 apply.

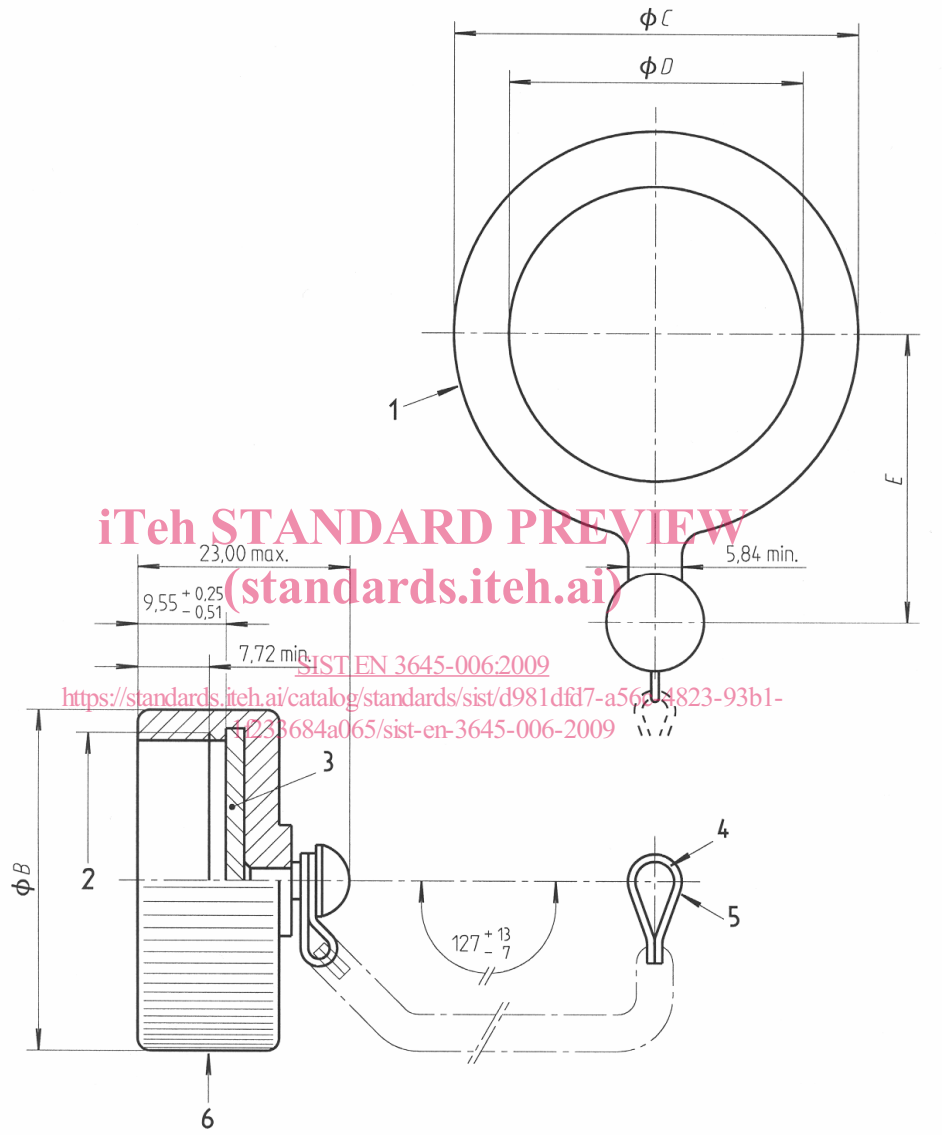
1) Published by: Department of Defense (DOD), The Pentagon, Washington D.C. 20301 USA.

4 Required characteristics

4.1 Dimensions and mass

See Figure 1 and Table 1.

Dimensions and tolerances are in millimetres.



Key

1 Attachment type 7
2 Internal thread *A*
3 Sealing gasket
4 Hole diameter $4{,}24\ ^{+\ 0{,}25}_{-\ 0{,}13}$
5 Attachment type 0
6 Milling or knurling

Figure 1 — Protective cover

Table 1 — Protective cover – Dimensions

Shell size	*A* thread Internal thread – Class 2B Internal diameter		Diameter on side		Diameter at thread end		*B*	*C*	*D*	*E*	Mass g max. Models W and F	Model K
	min.	max.	min.	max.	min.	max.	max.	0 – 0,15	min.		Aluminium	Stainless steel
09	14,71	14,96	15,21	15,46	15,97	16,38	23,00	27,00	17,64	21,00 18,00	11	33
11	17,88	18,14	18,38	18,64	19,15	19,55	28,00	32,00	21,97	22,50 18,50	13	37
13	21,06	21,31	21,56	21,81	22,32	22,73	31,00	37,00	25,12	25,00 23,50	15	44
15	24,23	24,49	24,73	24,99	25,50	25,90	32,00	40,00	29,92	31,00 25,00	17	49
17	28,63	28,94	29,29	29,60	30,26	30,77	37,00	44,00	32,00	32,50 26,50	19	54
19	30,22	30,53	30,88	31,19	31,85	32,35	39,00	46,00	36,27	34,00 28,00	21	61
21	33,40	33,70	34,06	34,36	35,02	35,53	42,00	49,00	38,25	35,50 30,00	25	72
23	36,57	36,88	37,23	37,54	38,20	38,70	45,00	54,00	42,62	37,50 31,50	27	76
25	39,75	40,05	40,41	40,71	41,37	41,88	49,00	56,00	44,45	39,00 33,00	30	87

4.2 Materials and surface treatment

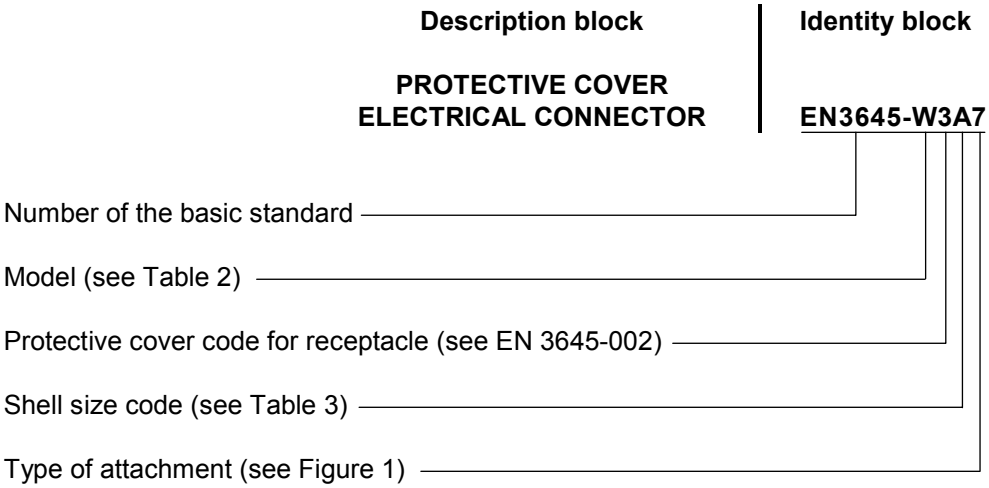
See Table 2.

4.3 Electrical, mechanical and climatic characteristics

See EN 3645-002.

5 Designation

EXAMPLE



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

Table 2 — Model coding

Models	Description
W	Protective cover for receptacle in cadmium-plated aluminium alloy, olive green – Salt spray resistance 500 h – Maximum operating temperature 175 °C continuous.
F	Protective cover for receptacle in nickel-plated aluminium alloy – Maximum operating temperature 200 °C continuous.
K	Protective cover for receptacle in nickel-plated aluminium alloy – Maximum operating temperature 200 °C continuous.

Table 3 — Shell size code

Shell size	Code
09	A
11	B
13	C
15	D
17	E
19	F
21	G
23	H
25	J